



"At My Old School, We Never Got to Wade in the Streams"

Is Glen Helen ecologically healthy? Ask the 2002 third and fourth grade students at Mills Lawn ... they can tell you. This past May, Mills Lawn elementary students got their hands dirty and their feet wet in the Glen to learn about science, ecology, and environmental problems.

As part of Mills Lawn's Scientist-in-Residency Program, Beth Krisko, a recent graduate from Miami University's Institute of Environmental Science and Glen Helen's volunteer coordinator, introduced the students to the field of environmental science. With the help of GHEI's Executive Director Bob Whyte, teacher Becky O'Brien and volunteer Dan Rudolf, Beth developed curriculum that introduced the students to ecological concepts, while demonstrating the importance of science in identifying and solving environmental problems. The Glen as a living laboratory offered the opportunity for the students to have a lot of fun, while providing a hands-on learning experience.

As part of Mills Lawn's Scientist-in-Residency Program, Beth Krisko, Glen Helen's volunteer coordinator, introduced the students to the field of environmental science.

A primary objective of the Mills Lawn Scientist-in-Residency program is for the scientist to demonstrate sound scientific principals and methods, while exposing the students to their field through demonstration and activities. To meet this objective, the students investigated potential environmental threats to the Glen, going through the same steps and

scientific procedures that would be used by a real environmental scientist.

One of the threats the students investigated was water pollution. Using the scientific method, they conducted a study to determine whether or not Birch Creek and Yellow Springs Creek are healthy streams. In groups, the students collected aquatic insects with nets, and used field guides to identify them by name and classify them as pollution-tolerant or pollution-intolerant.

After collecting the data, and interpreting the results, the students concluded that the waters of Glen Helen are relatively clean. In both streams, the students found a wide variety of insects, many of which could be classified as pollution intolerant.

The students also applied the scientific method to test the hypothesis that non-native invasive plants are causing a loss in the Glen's native plant biodiversity. In small sample plots, the students counted the number of native herb species growing in an area where there was an abundance of garlic mustard and in an area where the abundance of garlic mustard was low. They compared the numbers, and sure enough found that the area with little garlic mustard was much more diverse in terms of native species. This experiment allowed the students to see first hand the devastating impact that non-native invasive plants are having on the Glen's native vegetation.

What may have been even more exciting for the students than identifying and examining problems was to actually help "fix" one! The students learned that recognizing the problem is only the first step, and that environmental scientists develop ways to resolve environmental



Mills Lawn students conducting a stream quality assessment (above) and investigating non-native, invasive plants in the Glen.

problems. The students focused on the problem of non-native plants in the Glen by restoring a small woodland area to the condition it was in before it was invaded by garlic mustard. They pulled truck loads of garlic mustard, and planted over 100 native wildflowers (wild columbine and dutchman's breeches) and four flowering dogwood trees.

Their restored area is in a great place for all to see ... right next to the Glen Helen Building! Next time you are in the Glen, stop by and see what a terrific job the students did!

— by Beth Krisko

Director's Letter



Bob Whyte

It is now two years since I accepted the position as Executive Director of the Glen Helen Ecology Institute. During that time I have experienced great

pleasure in the beauty of the Glen and satisfaction in the progress I believe we are making toward rebuilding the organization, delivering quality programs, and managing the nature preserve. I have, however, also experienced frustration during this same period.

This past July the loss of Antioch University's Red Barn, a part of Glen Helen for over 50 years, was not only upsetting but it seemed to amplify the frustrations. The Red Barn is representative of a time when a portion of the Glen was still actively used for agriculture and forestry. Today we seek to convert these fields to prairies and wetlands. The Red Barn was to help in these efforts, providing classroom and laboratory space for students, faculty, and others who sought to help study and restore Glen Helen. This is no longer possible, at least using the Red Barn.

I will not, however, dwell on what could have been. Instead, we must turn our attention to the Glen's glaring needs and how we may prevent further deterioration and vandalism of the Glen's facilities. It will happen again if we don't act. The historic covered bridge was set on fire last Halloween. Fortunately the fire was put out before significant damage was done. The Institute is now working with the Village through the Northern Gateway Committee to provide the bridge with a new and safer home. Such cooperation and collaboration is needed on a larger scale to help secure the Glen's future.

What are the Glen's needs? At the top of the list and essential to all other elements

is unity. Unity of the community, the college, the Glen Helen Association and all those who are concerned about the well being of Glen Helen. Such unity can be demonstrated through direct support of the Glen Helen Ecology Institute (and its leadership), a unit of Antioch College and the managing entity for Glen Helen.

In many ways the Institute is similar to the organizational structure that Ken Hunt oversaw for 25 years. Ken Hunt was both the Director of Glen Helen and a member of the Antioch College faculty. He provided strong leadership directly involving students, faculty, staff and local citizens. The Outdoor Education Center, Trailside Museum, the School Forest and the Glen Helen Building are all examples of Ken Hunt's initiatives that have become symbols of Glen Helen.

Through unity and strong leadership we can seek to provide a strong and diverse funding base, a resource management plan to guide protection of the Glen's natural resources, quality environmental and outreach programming, the rehabilitation and renovation of the Glen infrastructure and provide quality facilities and a healthy environment for students and staff.

Now is the time to act. Never before have I been involved with a community that has such a deep sense of ownership and love of a place. It is this deep sense of place that has helped to protect the Glen. It was instrumental in Ken Hunt's efforts to actively involve the community through the creation of the Glen Helen Association.

I am now asking for the community's direct support and help and to proactively support Glen Helen and the Institute. Help us build a preserve that provides quality educational programs, protects 1,000-acres of forest, fields, streams and wetlands and significant cultural and heritage resources. On Thursday, July 18 a public forum was held in the Glen Helen Building. Over 60 people were in

attendance to discuss the Glen's needs and begin to shape a vision for Glen Helen. I enjoyed hearing directly from you and the opportunity to initiate together a process whereby we may build a shared sense of what the Glen's future can be. I hope to continue these community discussions and will schedule a second forum in October to more specifically examine some of the issues raised at this past forum. I hope you can join us.

— Bob Whyte

Glen Helen 2003 Calendar

Time to think about next year — at least next year's Glen Helen calendar. If you enjoyed this year's edition of the Glen calendar you will enjoy the 2003 edition even more. We are again showcasing 13 Glen scenes taken by visitors to the nature preserve. You may preorder your calendar



Order your 2003 Glen Helen calendar now!

(cost of \$10, see enclosed form). Proceeds from the sale of the calendar will be used to repair trails and manage the land.

In the Glen

is published quarterly for donors, environmental educators, Glen Helen Association members, and other friends of the Glen Helen Ecology Institute. Send comments and suggestions to *In The Glen*, 405 Corry Street, Yellow Springs, OH 45387. Editor: Bob Whyte. Contributors: Bob Whyte, Beth Krisko, Betty Ross, Sue Feller, Tony Arnett. Design: Bob Bingenheimer

GHEI... GHA... What is the Difference?

(or, Who or What Am I Supporting?... and, How Do I Make out My Check?)

The above words first appeared in the Glen Helen newsletter back in 1998. It was also an important issue raised by those attending the recent July community forum hosted by Bob Whyte and the Glen Helen Ecology Institute. Recently we have received a number of inquiries from a confused public. Continued confusion over this issue does not serve the interests of Glen Helen and it is unfair to the Glen's supporters.

A quick overview of Glen Helen's organizational history will provide some background. From 1947 to 1973 the Glen was led by Ken Hunt, its Director and member of the Antioch College Faculty. Ken Hunt as the Director was responsible for the overall operation of Glen Helen and was supported through an advisory board.

The Glen Helen Ecology Institute was created in 1994 as the managing unit for Glen Helen including all of the programs affiliated with the Glen. These programs include the Outdoor Education Center, the Raptor Center, and the Trailside Museum and Visitor Center.

The Institute's organizational structure is very similar to the Ken Hunt led Glen. A Board of Overseers, an advisory and policy-setting body, directly supports the Institute's Executive Director. As a unit of Antioch College the Institute has non-profit status as a 501 (c)(3). Gifts made to the GHEI are therefore, tax deductible. In addition, because of the Institute's direct affiliation with Antioch College (an educational institution), many corporations will match gifts made to the Institute by their employees or retirees.



GHA or GHEI? Whichever you support, you're supporting Glen Helen.

The Glen Helen Association was formed in 1960 out of concern for external threats to the Glen. It was an effort jointly undertaken by the college and the community. The GHA provided the community a direct mechanism to support Glen Helen and Antioch College. Under Ralph Ramey's direction the GHA became the Glen's vehicle for growth and management and in 1980 received nonprofit status.

Herein lies some of the confusion. The GHEI receives its nonprofit status directly from the college and has always had this status allowing donor contributions to be tax-deductible. Similarly, contributions to the GHA are tax-deductible.

Contributions to the GHEI go directly toward the operations and stewardship of Glen Helen. The Institute's operating funds are held in accounts that may only be used by for the specific purpose of managing Glen Helen and operating the Glen's programs, and are protected by state and federal law. Donors may request specifically how the funds are to be used (see the enclosed donor envelope included with this newsletter).

Contributions to the GHA in support of Glen Helen are used at the discretion of the GHA. The GHA provides the GHEI with \$30,000 annually to be used toward the stewardship of the Glen.

An additional source of confusion is derived from the direct fundraising efforts by the Institute and the GHA's year-end membership appeal. The Institute does not have a formal funding base, necessitating an active development program. Traditionally, a friends organization such as the GHA will provide supplemental

funding through membership and various fundraising efforts. The GHA sponsors the Pancake Breakfast, Bird Seed Sale, and the Nature Arts and Crafts Show.

In the case of the GHEI and the GHA you now have two organizations actively requesting support. We must, therefore, ask the question, can we do a better job to minimize this ongoing confusion and simultaneously enhance the Glen's ability to raise the resources required to properly manage the Glen.

The benefits of a friends organization such as the GHA are obvious. The GHA is a direct mechanism for public support of the Glen providing volunteer support and supplemental revenues. This is not to say that there are not drawbacks as well. It is, however, incumbent upon the GHEI and the GHA to define their appropriate roles and provide unified leadership.

Ultimately the choice is yours in choosing where to direct your gift. Regardless, you can be assured it will be used to benefit Glen Helen.

Glen Landmark Burns

Part of the Glen's past and a piece of its future was recently lost. At about 2:30pm on July 2, the Township fire vehicles went racing by the Glen Helen Building. The staff, although curious, was unsuspecting. A phone call received a short time later brought the disturbing news – the Glen Helen Barn, also known simply as the Red Barn was lost, burned to the ground. While the cause of the fire is unknown, the Miami Township Fire Department suspects the fire was deliberately set.

The Barn, built in 1950 by the Amish had remained incredibly sturdy. And although unused for the past 30 years, the barn was part of the Institute's vision to develop a field laboratory for research
Continued on next page...



The Red Barn in ashes.

and education. While plans are now uncertain for the field station, rebuilding has not been ruled out.

Glen Helen Lecture Series

Third Thursday of each month at 7pm in the Glen Helen Building Auditorium

September 19: Sean McGovern

Sean, president of the Ohio Ecological Food and Farm Conference, will talk about the environmental impacts of industrial agriculture and discuss the

value of organic and local products to the environment and to ourselves.

October 17: Jerry McDonald

Jerry, co-author of "Indian Mounds of the Ohio Valley," will discuss the archeology of Ohio's mounds, paying particular attention to the Hopewell Burial Mound here in Glen Helen.

November 21: Mark Tillack

With poetry, song and fun, Mark will weave together the elements of living with Earth in mind. He will heighten awareness and lift people, sending them down a more sustainable life path.

December 12: Bob Parker

Bob will take you on a walk through time in Glen Helen, by sharing his knowledge about the human-history of Glen Helen. You will learn that the Glen has a long and complex history of human land-use, which is reflected in the current natural landscape. **Note:** lecture is on the second Thursday of the month.

Is there a person you would like to hear speak at the Glen or a topic you would like to know more about? If so, let Beth know. She is currently preparing the schedule for GHEI's 2003 lecture series, and would love community input. Email her at bethkrisko@hotmail.com or call her at the Glen, 937-767-7375.

Glen Helen Building Exhibits

Ken Schory (photography) through September 15

For a preview of Ken's work, visit his website at www.kenschory.com.

Greg Tobias (photography) September 16 – November 16

Greg is a long time Greene Co. resident living in Bellbrook since 1968 and has spent much time hiking in the Glen since his teenage years. Greg has been doing freelance photography for many years.

In Appreciation

The Glen Helen Ecology Institute greatly appreciates the contributions from the Arthur and Lucy Morgan Society members during fiscal year 2001-2002:

Arthur and Lucy Morgan Society – 2001-02

George and Toshiko Asakawa
Bill and Jane Baker
Ruth Bean
David and Barbara Case
Sylvia Carter Denny
Ken and Peg Champney
Charles and Suzanne Clauser
Roger Cranos
Al and Donna Denman
Donn and Nora Denman
Rachel Dewey
Stanford Friedman, M.D.
Michael Gardner
David and Joan Goodwin
Paul and Jewell Graham
Eva S. and Terry O. Herndon
Barry and Kay Hollister

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Priscilla Janney-Pace
Linda Griffith and Scott Kellogg
Diantha Rau and Ann Simon
Koppelman
Lori Kuhn and Karl Hendrickson
Mrs. Edgar Lupfer
Joe and Nell Maloney
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Louise Nippert
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Jack Palmer
Bruce and Francine Rickenbach
Marjorie Russell
Tracy Stewart and Steve Holtzman
Doris and Robert Swabb
Cy and Ilse Tebbetts
Beverly Viemeister

Gifts to the Glen

We also gratefully acknowledge the following for their contribution to the Glen Helen Ecology Institute,

including special support for the newsletter, received between April 1, 2002 and July 31, 2002:

Sponsor

Ralph Overton
Sidney Schultz of General Surplus
(*In memory of Donna Myatt*)

Contributor

Ruth Bean
Richard and Wilberta Eastman
Stanley and Karen Mickel

Friend

Jeannette Albee
George and Toshiko Asakawa
Ann, Rich, Mimi, Caroline and Steven Bair (*In honor of Dave Goodwin's birthday*)
Win Bent
David, Col. USAF and Nancy Bull Parviz and Harriett Dadras
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Dimitra Reber
Cleo and Minochet Reporter
Christine and Wendell Swords
Laura Taylor
Cy and Ilse Tebbetts
Audrey Zimmerman

Corporate, Foundation and Community Partners

Glen Helen Association
Marathon Ashland Petroleum

Designated Gifts

Amy Kimura

Gifts-in-Kind

Bob Bingenheimer

Beside nature and travel photography, Greg's work includes a full range of general photography services.

Greg seeks to convey through his work the beauty of our own local treasure (Glen Helen). Greg says, "Even though you may travel great distances to any number of beautiful destinations, I think too often we lose sight of what special and unique place we have as close as our own neighborhood. I would like to challenge the viewer to look in new ways at that which we too often take for granted. I plan to do this by using some photographs from my travels as a catalyst to feature the work I have from the Glen. From this I hope people will come away with a renewed appreciation for what we are so lucky to have right here at home, a unique and beautiful natural place. We must all do our part to preserve and protect it for future generations."

Glen Helen History in Pictures: November 18 – January 11

This will be the third year that the Institute will exhibit a diverse number of pictures, maps and other artifacts about the Glen's history. This exhibit, done in cooperation with Antioch University's Antiochiana and the help of Scott Saunders is always a community favorite.

All future exhibits are tentative; please call to confirm schedule. For more information on exhibits, please contact Elaine Brown at the GHB.

Maintenance & Trail News

Staff and volunteers have been busy this summer attending to the many needs of the trails, facilities, and the land. If you haven't noticed, a new Glen Helen sign was installed at the main entrance to the Nature Preserve. We are greatly appreciative for the generous gifts from Tracy Stewart and Stephen Wasby that allowed us to install this new sign. Russell Shaw



A new sign has been installed at the main entrance to the Glen.

volunteered time to install the sign. With a little luck we will have a new informational kiosk in place by summer's end as well.

George Bieri and his volunteer crew have been extremely busy. A number of unofficial trails were closed, several new signs and gates were also installed to discourage horseback riding in the South Glen. A crew of 10 volunteers removed honeysuckle from the area around the Yellow Springs parking area off State Route 343. This has opened the area considerably. The Trailside steps received some badly needed repairs. The steps should be much safer for all visitors to the Glen. Water bars were placed on several trails in the Glen to alleviate some severe erosion problems. Nine ash trees were transplanted along the Outdoor Education Center Drive and the drive was graded and holes repaired.

The GHA Stewardship Committee cleared a path from the OEC road to the new Raptor Center flight cage site. The ODNr crew began framing the cage in June and as you read this article the work should be completed. The Stewardship Committee also completed repair of the footbridge fronting the dam and adjacent to the grotto in the North Glen. Thanks also to the Village of Yellow Springs for their donation of materials for the repair work.

If hard work and being outdoors is your thing, you may contact George Bieri

of the GHEI or Tony Arnett of the GHA Stewardship Committee. Both will be happy to put you to work.

It takes many hours of volunteer labor to accomplish these many tasks. While we do not list the names here of these generous people who donate their time, please know that your efforts are greatly appreciated and on behalf of the Glen staff and all who love the Glen, thank you!

Become a Glen Helen Volunteer!

Glen Helen Building Volunteer: Greet visitors, answer general information questions about the Glen, answer and direct phone calls, operate the Nature Shop, and help the staff with various tasks.

Hike leader: Share your knowledge about the Glen with others. Lead short walks or longer hikes on topics of your choice, weekly or monthly.

Land management work: Assist the property manager with trail closures and special projects. Also, look for scheduled "workbees" in the Yellow Spring newspaper.

Volunteer Stats

There are currently over 90 active volunteers helping Glen Helen. Twenty-one work at the front desk and 5 lead hikes. The rest do various other important tasks such as working on the trails or at Trailside.

The past six months volunteers put in over 1000 hours at the front desk, 42 hike leader hours, 36 hours on mailings, 12 hours for miscellaneous tasks such as the art exhibits, 44 land management hours, and 6 hours for Trailside and many more hours we didn't record.

Thank you, volunteers!

If you are interested in one of these volunteer opportunities, or would like to volunteer in another capacity, please contact Beth at 937-767-7375.

Glen Helen Association Activities

The mission of the Glen Helen Association is to preserve Glen Helen as a nature area and to support activities which enhance the public's use, enjoyment and knowledge of nature. The GHA in keeping with its mission provides support for the operation of the Antioch University property known as Glen Helen, managed by the Glen Helen Ecology Institute.

The Glen Helen Association annual Pancake Breakfast will be held Sunday, September 15 from 9am-1pm at the OEC Lodge. At only \$5 per person it's a bargain, and it benefits the Glen, too!

The annual Nature Arts and Crafts Show will be held Saturday and Sunday, November 23 and 24 at the Glen Helen Building. Saturday hours are 9am-5pm and Sunday hours are 11am-5pm.



The annual Bird Seed Sale will be held Saturday, October 19th from 9:30am-4pm at the Glen Helen Building parking lot.

For more information on any of these events, please call 937-767-7375.

Glen Helen Association Board, 2002-2003

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Tony Arnett
Vice President:
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Treasurer:
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Honorary Life Trustees:

Dave Case
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Glen Helen Association Board Meetings are held on the third Wednesday of each month at 7pm in the Glen Helen Building. GHA members are welcome to attend.

Stream of Thought

by Joel Pomerantz

I sit on a bridge, a small wooden plank bridge, my feet suspending my constricting city shoes over a tiny brook. The Glen is full of sounds; each swallowing the others in rotating crescendos of burbles, chirps, caws and hums.

There is an adolescent but solid tree leaning out from the bank, where its branching roots tiptoe into the mud above a pool big enough to catch two or three of the tree's compound leaves.

One end of the pool sits quietly against the bank with wiggling reflections from the filtered and moistened sun. The other end is a pass-through: water trickles in; water trickles out. Narrow and wiggling channels, like waterslides for a salamander, keep the pool from stagnation while not roiling its surface enough to flush away one tiny brown leaflet.

The leaflet is a raft against the water's sweetly dimpled, yet tightly unyielding surface tension. Against the other bank, less than a meter distant, the water's surface is shredded into large dispersing bubbles by a raging torrent that one of my shoes could soggly dam to a halt, if I were to wedge it into the notch of the limestone channel. But the leaf feels only



a wavering tug; more drawn by the slight stickiness of one sipping little tree root its stem rests alongside.

As I sit here, in the company of a patient green spider who tends her tidy and untrammelled morning web, I think of the delicate balance of flow and tension, movement and resistance, in the water, in the web, in the world.

Joel is a member of the Antioch College Development Office staff and wrote this piece at a recent Nature Journaling Workshop sponsored by the Glen Helen Ecology Institute.

An Experience to Remember

Each week at the Outdoor Education Center, visiting teachers and staff notice changes in students after a few days. Time after time we are informed of children who are withdrawn or have difficulty academically in school who thrive in the environment here. The following excerpts were taken from the journal of one of our winter/spring 2002 naturalist interns.

When I decided to come to Glen Helen, I was excited to see how outdoor education would affect students. It was a great chance for me to work with them outside of the classroom in an education setting. This is what I learned:

My time spent teaching at Glen Helen has revealed many examples of how all students, including those with special needs, excel in an outdoor education setting where they are fully included in all activities and have full participation. Here students are all placed on an equal playing field. They begin with a fresh start every week without any labels, expectations, or negative stereotypes they may have received in the classroom setting.

Outdoor education provides an atmosphere of discovery learning unlike anything a classroom can provide and develops a holistic view of the world that is sometimes lost in a detail-oriented academic setting. They are in an environment where writing and reading are no longer the only skills essential for success. They are allowed to experience new ideas and concepts through hands-on activities and sensory learning instead of trying to understand words or images on paper.

Students use a variety of means for learning in the outdoors which utilizes the strengths of all students. They benefit from being able to use as many senses as possible and are fully immersed into the curriculum. Experiential education opens

the door for students to live what they are learning.

Students do not work independently at Glen Helen, but with their trail group as one complete unit. Trail groups, comprised of 8-12 students, work cohesively toward group success and achievement of group goals. Groups work to build a strong community and kids are allowed to develop as individuals through their role in the group.

Students with special needs unfortunately do not always get to socialize or work with the other students in their grade. All students need the opportunity to perform with others in a variety of settings. Important self-confidence and self-esteem can be gained and strengthened when working with peers.

The supportive learning atmosphere and positive environment that outdoor education provides is beyond words. Every week several students come to Glen Helen with a negative attitude towards learning or a learned helplessness toward academics. Inside, these students are yearning for the chance to feel success. Students may only experience the outdoor setting for one week, but hopefully it provides for students the fortification needed to be successful and accomplish their goals.

The difference that outdoor education makes can best be measured by the

example of a one student who benefited from his experience at Glen Helen, Joey.*

Joey is a sixth grade student with a learning disability in reading, language arts and math. He was also labeled with Attention Deficit Disorder. I was informed at the beginning of the week that Joey would be a lot to handle and might wander off and lose focus. He usually participates in the resource room at school because he learns slower than the rest of his class.

During our first hike Joey always wanted to be in the front of the line and was very energetic and enthusiastic. He asked many questions and was very interested in everything. He was a great helper and worker. The only problem that I had with him all week was that he was going to be leaving at the end. The other students were very entertained by his humor and were influenced by his energy. He was the spark plug of the whole group. Every time I would circle up the group to ask the students for something they had learned, Joey would have several things to share.

I will never know how Joey acts or is treated in the classroom setting, but I know the outdoor setting was a perfect atmosphere for him because there is not a lot of down-time and there is no need for high reading or writing skills. It is an

*Not his real name.

OEC Wish List

- Craft supplies (beads, pipe cleaners, paint, pompoms, paraffin, embroidery thread, paint brushes)
- Firewood, already split
- Field guides
- Foreign language dictionaries (German, Spanish, French)
- Splitting maul and ax
- Pioneer and Native American clothing for Living History hike

- CD/tape player
- Bedding for international students
- Play equipment, balls and jump ropes
- Compasses
- Binoculars
- Children's nature-related books
- Mattresses and box springs, in good condition, for staff houses
- Pencils



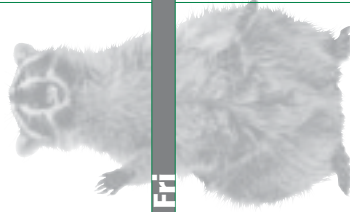
Glen Helen Ecology Institute
ANTIOCH'S LIVING LABORATORY

September – November 2002

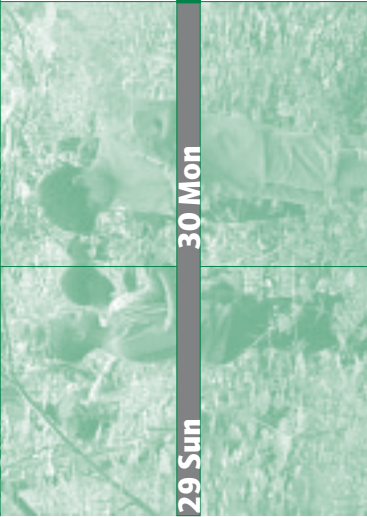
Activity Locations Key
GHB Glen Helen Building, 405 Corry Street
JRCA Jacoby Road Canoe Access, Jacoby Road off Clifton Road
HM Horace Mann Statue Meadow, Bryan Park Road
OEC Outdoor Education Center Dining Lodge, enter off SR343
RC Raptor Center
TMVC Trailside Museum & Visitors Center, 505 Corry Street
YSPL Yellow Spring Parking Lot, off State Route 343

Sep 1 Sun	2 Mon	3 Tue	4 Wed	5 Thu	6 Fri	7 Sat
8 Sun	9 Mon	10 Tue	11 Wed	12 Thu	13 Fri	14 Sat
15 Sun 9am-1pm Glen pancake breakfast, OEC Lodge	16 Mon	17 Tue 4:45pm GHEI Board of Overseers meeting, GHB	18 Wed 7pm Glen Helen Association Board meeting, GHB	19 Thu 7pm Glen Helen Lecture Series: Sean McCovern, GHB	20 Fri	21 Sat
22 Sun	23 Mon	24 Tue	25 Wed	26 Thu	27 Fri	28 Sat 9am-12noon Nature Journaling Workshop, GHB
29 Sun	30 Mon	Oct 1 Tue 7pm Sierra Club meeting, GHB	2 Wed	3 Thu	4 Fri	5 Sat Antioch College Founder's Day
6 Sun	7 Mon	8 Tue	9 Wed Earliest snow possible	10 Thu	11 Fri TBA Dick Patterson visit and lecture, GHB	12 Sat 1pm Fall colors hike, TMVC

September



October



13 Sun 2-4pm Raptor Center open house	14 Mon	15 Tue	16 Wed 7pm Glen Helen Association Board meeting, GHB	17 Thu 7pm Glen Helen Lecture Series: Jerry McDonald, GHB 17-19 Antioch University Board of Trustees meeting, GHB	18 Fri	19 Sat 9:30am-4pm Bird seed sale, GHB
20 Sun	21 Mon	22 Tue	23 Wed	24 Thu	25 Fri Last monarch butterfly fly southwest	26 Sat 1pm Big Tree hunt, TMVC
27 Sun	28 Mon	20 Tue	30 Wed	31 Thu	Nov 1 Fri	2 Sat
3 Sun	4 Mon	5 Tue	6 Wed	7 Thu	8 Fri Last autumn rains begin	9 Sat
10 Sun	11 Mon	12 Tue Middle of deer rutting season	13 Wed	14 Thu	15 Fri	16 Sat
17 Sun	18 Mon	19 Tue	20 Wed 4:45pm GHEI Board of Overseers meeting, GHB 7pm Glen Helen Association Board meeting, GHB	21 Thu 7pm Glen Helen Lecture Series: Mark Tillack, GHB	22 Fri	23 Sat 9am-5pm Nature Arts & Crafts Show, GHB 1pm NACS Hike, TMVC
24 Sun 11am-5pm Nature Arts & Crafts Show, GHB	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri	30 Sat

Novemb



atmosphere of discovery, team building, and development of the senses.

During our sharing circle at the end of the week, Joey disclosed that he had the best week of his entire life. He included that he had never been treated so fairly by everyone before and he never felt so important. He thanked the group for including him and then began to cry. This is pretty deep for a sixth grader, but when I looked around the circle I could see several other students tearing up as well.

After the students boarded the bus, one of the teachers thanked me for the job I did with Joey. All I could say in return was that he was in the perfect learning environment for his needs.

I am thankful for places like Glen Helen that give students the opportunity to succeed, learn and have fun. It is a great opportunity to work in a place that can provide such a positive atmosphere. The memories I have here I will hold deep in my heart. I hope every other naturalist can see the impact we have on the world through the heart, minds and eyes of children. We can make a difference! Thank you Glen Helen! I love you!

Your life-long friend,

Nicholas Pretasky, Spring 2002

Classroom Wildlife Guidelines

The National Wildlife Rehabilitators Association (NWRA) recently prepared guidelines for educators regarding classroom wildlife:

1. Animals should not be taken from the wild, even temporarily, for classroom use. Students should be encouraged to learn from and respect natural ecosystems without taking elements from the environment.

2. Nests, feathers, and body parts of protected birds should not be kept in a classroom environment unless legally acquired. In the United States, most birds, nests, eggs, and body parts are protected. Exceptions are European starlings, rock doves (pigeons), and house sparrows. Students should be taught that U.S. Fish and Wildlife permits are required for the possession of migratory birds (Migratory Bird Treaty Act) and U.S. Department of Agriculture permits are required for the display of mammals.

3. In the event of a known injury to a wild animal, or if a dependent young animal is known to be orphaned, local wildlife rehabilitation organizations should be contacted immediately. Wildlife rehabilitators are trained in the housing, medical care, diet, rehabilitation, and responsible release of wildlife.

- Rehabilitators possess federal and/or state licenses and consult with veterinarians who assist in the medical care of wildlife.

4. Education presentations by wildlife organizations (or individuals) can contribute to the classroom experience. These groups are able to provide intimate classroom educational experiences. They must be able to provide to schools and educators evidence of possession permits and, when applicable, health certificates for any non-releasable wildlife entering the classroom.

Educational institutions must comply with national, state, and local regulations. The health and well-being of the animals, educators, and students must be foremost. There are many programs, such as Project Wild or Project Aquatic, available for class-

Thank You

All of us at the OEC extend a hearty thank you to all who have helped us through donations, time and energy:

Elaine Brown, for microscopes and monetary donation.

Oakwood High School students, for community service hours.

Kristel Salisbury Titus, for donation.

Laura and Howard Marshall, for donation of firewood.

Claire Colbert, for Meijer's gift card.

Marion and Dorothy Poland, for National Geographic magazines.

Steven and Mary Bergman, for donation.

Chris Myers, for backpacking pads, rain pants and poncho.

Belinda Thomas from Last Chance Pet Rescue & Adoption Agency, Inc. for dog food and birdseed.

Bud Marsh, for miscellaneous household items and craft supplies.

Ralph Ramey, for presentation on Reptiles & Amphibians of the Glen.

Shawna Phares, for Geology student and teacher guide book.

Dave Nolan, for a tour of Beavercreek wetlands.

Joan Horn, for help with our staff training sessions.

Sarah Hippensteel, for stream study session for our staff.

Kenny Compton from Greene County Services, for woodchips.

Theresa Pittl from Miami Conservancy, for a water cycle presentation for ecocampers.

room use that do not use live animals. Even domestic animals in a classroom need a high quality of life and a specific plan for life beyond the school year. The most important concept that can be imparted to students is respect for the integrity of animals and natural ecosystems.

OEC Staff Changes and Additions

Melissa Witte, who was the OEC cook for a year and a half, has moved on to other adventures and travels. While here, she did an outstanding job of preparing delicious and nutritious food. Her hard work has been appreciated and we all wish her well in the future.

All of us at the OEC would like to welcome David Casenhiser as our new cook. David has cooking experience from many different "kitchens." He also has been at the OEC twice as a camper and once as a naturalist. Born and raised in Yellow Springs, David is a graduate of Ohio University. He worked locally at YSI for 14 and a half years. He enjoys work-

David Casenhiser



Brad Whaley

ing with the children and staff and thanks his lucky stars every day that he has a job "in the Glen." The staff at the OEC is very thankful to have him here!

The OEC also welcomes its new Assistant Director, Brad Whaley. Brad comes to us from northwestern Ohio where he spent the last 10 years as the Education Specialist for the Williams Soil and Water Conservation District. He brings a variety of skills and abilities to Glen Helen from his work with students and teachers in conducting field days, workshops, camps and other environmental education programs.

Brad is a certified facilitator for many educational curriculums and co-op program as well. Before his work at the SWCD office, he received his bachelor's degree in biology from Lake Superior State University in Michigan's Upper Peninsula. In his spare time he enjoys the outdoors – hiking, hunting, camping, backpacking and canoeing.

"I'm excited about coming to the OEC and the new opportunities in working with the naturalist interns. I look forward to becoming part of the Glen Helen, Antioch, and Yellow Springs communities."

Welcome, Interns

The OEC welcomes the new fall interns who will be here from mid-August until mid-December:

Naturalist Interns

Matthew Matheny is from Odenton, MD, and has a degree in Ancient Studies from the University of Maryland, Baltimore County.

Kelda Wernecke, from Findlay, OH, has a degree in Psychology from the University of Findlay.

Harriet White is from Chiswick, England, and holds a degree in Zoology from the University of Wales, Cardiff.

Seth Friedman is from Alexandria, VA, and holds a degree in Anthropology & English from the College of William and Mary.

Erin Barr's hometown is Fairborn, OH. She has a degree in Chemistry from Kenyon College.

Cari Laughlin, from New Paltz, NY, has a degree in English from Wesleyan University.

Cassie Kuhlhorst home is Celina, OH. She has a degree in Management from Marietta College.

Monika Koch is here from Eulenbis, Germany. She currently attends the School for Social Work in Benediktbeuern.

Marie-claire Nabila Kuja comes from Cameroon, Africa. She attended the British College of Professional Management in Cameroon.

Administrative Interns

Jane Ford will be returning once again as the Raptor Center Assistant. She holds a degree in Environmental Studies from Cornell College. Her home is Newton, IA.

Rachel Bolton is from Dayton, OH. She has a degree in English/Writing from Denison University. She will be our Program Coordinator this term.



Moving Forward A Message from the Raptor Center Director

The downtown Dayton peregrines were successful raising three young. The original male, Mercury, with his third mate, Snowball from Cleveland, had two females and one male, named Amelia, Terra, and Talon in honor of their home, the AT&T Building. The building turned out to be perfect because there was plenty of room for the birds to exercise before they made their first flights, and it was easy for them to return for feeding and general hanging-out. Storms delayed the arrival and limited the number of ospreys being flown in from Virginia to Ohio this year. Four arrived in mid-July for hacking at Spring Valley Wildlife Area and were successfully released several weeks later.

Our favorite phone call recently was requesting help for a woodchuck that had flown into a window. The caller was sure it was a woodchuck because she had looked it up in the bird book. We never did find out if it was a woodcock, a wood thrush, or a wood duck, none of which



Jane Ford with a juvenile great horned owl she rescued from a chimney and later released.

seemed likely, but a flying woodchuck it was not!

It was wonderful having Cindy Lamparter as the summer Raptor Center assistant. She was here in 1997 and 1998 and is now in vet school in California. She brought new information and experience with her, and added greatly to the summer's

activities and fun. We are also pleased that last term's assistant Jane Ford will be returning to help us again in the fall. We look forward to working with new staff naturalist-interns, and hope you all will join us for our Open House to see what progress has been made on the flight cage.

— Betty Ross

Arrivals & Departures

Naturally, spring and summer meant youngsters, a lot of them, with a steady stream of injured birds arriving as well. Eighty birds have arrived since the last newsletter was written, more than half being kestrels and screech-owls.

As usual the first youngsters were great horned owls since they are the first nesters in the area. Unfortunately one was blind, one died of starvation, and one had severe neurological problems, so only one was successfully released. It was already old enough to fly, but had gotten down a chimney and was unable to get out. It was thin, weak, and stiff from the confinement. We rehydrated and fed it well before returning it for release.

Screech-owl youngsters began arriving next, twenty-one in all. Wild parents make the best parents, obviously, so we spend a lot of time on the phone with people to

We're making great construction progress on the new flight cage.



Special Thanks

A very special thank you to Tom and Betty Finke, Jean McCulloch, Edmund Brown-Edwards, and Phyllis Holsapple for their significant contributions designated for the new flight cage; to the Division of Wildlife crews from Spring Valley and Indian Creek Wildlife Areas (Scott Phillips, Randy Morgan, Kash Adams, Dale Riehle, Doug Hissong, Dave Honeycutt, Steve Roach, and Brett Beatty) for their incredible building skills; to Dr. Michael Brown and the staff of Bigger Road Veterinary Clinic for all their assistance; Ron Austing for adoption photos and mats; Raptor Center Assistants Jane Ford and Cindy

Lamparter; our food donors; and to the following for their donations:

Arabic Club Foundation
Burroughs Nature Study Club
Pam Conine
Paul Cooper
Gordon Cowperthwaite
Diane DuBose
Beth Duke
James and Cindy Halye
Pioneer Hi-Bred International
Jesse Ross
Louise Bennett Rowe
Sidney Schultz, General Surplus/General Outfitters, *in memory of Donna Myatt Campbell*

insure that a youngster is not being kidnapped, but really does need to be rescued. We recommend observing a youngster for awhile unless it is in immediate danger. It is normal for owls, and most other birds, to leave the nest (fledge) before they can fly. If the young owls are old enough to be out and are in good condition, they will climb back up onto a branch. If they don't, they need assistance.

Some of the juvenile screech-owls we admitted were thin, some on the verge of starvation, several wandering in busy roadways, one hit by a car, and others attacked by crows and cats. Fifteen were able to be released after growing up in a

Three of the many young kestrels we received – "Big Sister" and "The Hamburger Twins."



flight cage, perfecting flight skills, and catching live prey.

Kestrels began arriving in early June; eighteen of twenty-four were youngsters, from small nestlings to new fledglings. One is still recuperating from a cat attack. It is doubtful it will recover enough for release because of the severity of its injuries, but there is still a chance. What seemed at first to be a few small punctures, soon became infected 'weeping' wounds, as is often the case with cat bites. If cat owners keep their cats indoors (much safer for the cats themselves, also), especially during the baby season, more young wildlife would have a chance to grow up.

Another upsetting occurrence was trichomoniasis in several kestrels. These were our first cases, and hopefully, the last. *Trichomonas gallinae* is a microscopic organism, a parasitic protozoan which lives in the mouth, sinuses, throat, and esophagus. It causes infection, dead tissue, and masses of material which block the throat, causing severe weight loss and often death.

One apparently healthy youngster had been exposed before arrival, and developed it after being placed in a flight



Metro, the turkey vulture, sunning at the Raptor Center.

cage with others. One caught it from the first; both died in spite of treatment. All the kestrels had to be checked and rechecked; fortunately no one else got it, but it was very scary. We will be better able to deal with it if we have to in the future, but hope we don't.

With that happening, it was a great relief to be able to release fourteen young kestrels. That included several that had been injured, in addition to others that were thin, starving, or trapped in buildings. One youngster was fished out of a water
Continued on next page...

Upcoming Events

Clark County Audubon Visit – Monday, September 9, 6pm at the Raptor Center

The annual visit is open to everyone, and is a good time to hear about Raptor Center highlights and local birding activities.

Raptor Center Open House – Sunday, October 13, 2-4pm at the Raptor Center

A bald eagle and fourteen other species of Ohio's hawks, falcons, and owls will be on display at the Raptor Center's fall Open House. Staff members will have birds out for close-up introductions and photo opportunities. This is your chance to meet our staff and resident raptors,

learn about our programs, and see our rehabilitation flight cages, including the construction of our largest one.

OWRA Annual Conference – November 1-3, in Columbus

This Ohio Wildlife Rehabilitators Association weekend conference will cover topics of interest to wildlife rehabilitators and educators. Call if you are interested in attending or finding out more about this training and networking opportunity.

Annual Owl Walk – Sunday, January 19, 2pm at the Outdoor Education Center Lodge

This will be the twelfth year for our after-

noon walk to look for roosting owls. Meet at the OEC Lodge near the Raptor Center. Dress warmly. Remember, chances of seeing an owl, especially with such a large group, are slim, but it's a pleasant winter walk with congenial folks. After the hike we will gather by the fireplace in the lodge for hot drinks and introductions to some of the Center's resident owls. If you do not wish to hike, you are still welcome to join us inside around 3pm.

tank and one hit a building when the downtown Dayton peregrines went after it.

Only two juvenile red-tailed hawks were admitted, both injured after they were already flying. Six young Cooper's hawks needed help. Unfortunately, two died of starvation the day they arrived and the others had injuries too severe for release. One nestling was kept for a week until it was old enough to stay up on branches safely, and was returned to the nest site to its family.

Although youngsters predominated, injured adult birds continued to arrive throughout the summer. Four red-tails, two great horned owls, a Cooper's hawk, an osprey, and a turkey vulture were released. The osprey was found floating in Grand Lake St. Mary's and scooped out by fishermen. We found nothing wrong with the bird, and released it at C.J. Brown Reservoir where it flew off very nicely. We don't know what happened, if it misjudged a plunge for fish and got waterlogged or what, but it was definitely an unusual case.

Another interesting case was a turkey vulture found lying in a roadside ditch near Wilmington. People nearby, assuming it was dying, moved it into the shade to make it more comfortable. When it was still standing there after three days, they brought it to us. Its eyes appeared fine, but we realized it couldn't see a thing. It regained its sight within a week, however,



One of the many groups visiting the Raptor Center for a program and a tour.

and was released less than two weeks later.

As much as we love vultures, it was a relief not dealing with young vultures this summer! Last year two arrived, and stayed with us until spring. In the fall we accepted two overly-socialized ones from other rehabilitation centers in the hope that our normal birds would influence the socialized two. They didn't! After one returned to its original center for educational use, we released the other one, nicknamed Metro, to see what would happen.

Although acclimating a socialized one to the wild can be a long process, we had been successful in the past with the well-known Shelby, and two others, so it was

worth a try. When Metro stayed in the OEC/Raptor Center area, it was fine, and the kids and staff enjoyed his flights and his interest in their activities. Soon he ventured into town, however, and settled into spots with large numbers of children, the elementary school and the Community Children's Center. People were tolerant, so the frequent calls to us were not complaints, but usually to find out about him and to alert us as to his whereabouts. We brought him home several times, but he didn't stay long. His favorite perch was the swing set at the Children's Center, where the children loved him, but he wore out his welcome when he nipped one of the teachers. His chance at a wild life ended, but we found a good home for him at another center.

The bald eagle we admitted in April is still with us. He will never be released as the damage to one wing was too great. Pins are still inside two bones and more healing must take place before we know if he can be a permanent resident. We will offer him a good home if he needs it.

Our Adoption Program

The adoption fee is \$75 per year; a photo and certificate will be sent, and a sign will be placed at the bird's cage. You may also request a visit with your bird to a school, scout pack, club, office, or home. The money helps to support not only the adopted bird, but all the birds that come into the Raptor Center needing help. An adoption is a wonderful way for

a group to help the Raptor Center, or makes a unique anniversary, birthday, holiday, or memorial gift for someone special.

Welcome to our adoption family:

Brandles Day Care Center
E.G. Brown-Edwards (a third vulture)
Alex Gilbert
Spring Hill Outdoor Education Club

Staff News

Tim Roden to Help Out at Trailside; Bye to Susie

We say goodbye much too often to our Trailside Managers, and we again must say goodbye and thank you to Susie Davis. Susie originally came to the Glen as an OEC naturalist. This past spring and summer she has run Trailside taking care of the animals and overseeing all Trailside programs.

We are fortunate, however, to announce that Beth Krisko, our Volunteer Coordinator will take over on a part-time basis as the Trailside Manager. We also hope to again have an Antioch College student working in Trailside as part of Antioch's Coop program. And we are always looking for volunteers to help out at Trailside.

Tim Roden is working in the Glen building this summer and fall as a work-



Tim Roden

study student and a Community Responsibility and AmeriCorps volunteer. Tim is a first year Antioch student who brings outstanding skills, energy and work ethic to the Institute's administration office. His past retail experience enables him to provide much needed purchasing and accounting support.

Tim's computer expertise and fix-it skills have saved the office time and boosted productivity. Thanks to him we now have updated forms, records and systems and are poised to take fundraising to the next level.

Tim has been incredibly generous with his time, doing the lion's share of ozone readings and helping to keep Trailside open full time. The Glen Helen Ecology Institute is very fortunate to have Tim.

Trailside Living Classroom

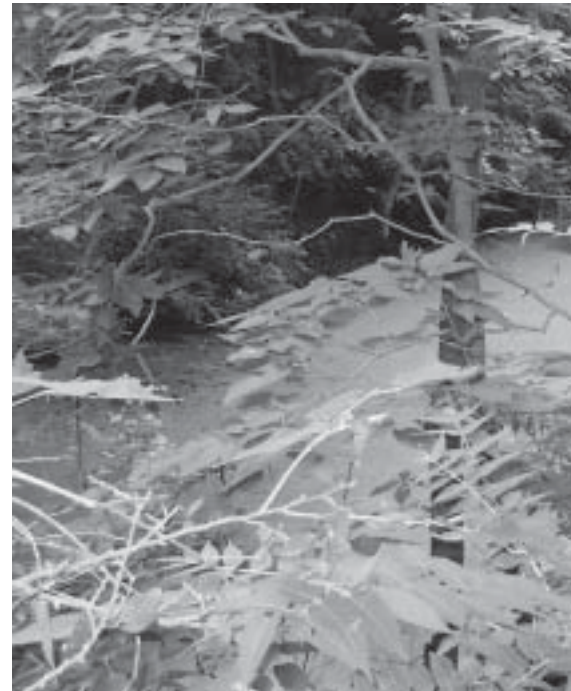
Through the efforts of a number of Glen volunteers we have moved from concept to implementation. The main entrance to Glen Helen will undergo an ecological transformation over the next few years. This area will become an interactive outdoor classroom for people of all ages. It will include a wildflower garden, education trail in a one-acre woodlot, prairie garden, and wetland/pond with boardwalk are all planned features for this area. The area will be designed to educate and allow those who physically cannot get into the Glen or don't have the time to enjoy and learn about Glen Helen.

Plans for this year call for removal of the many invasive plants that are found here including honeysuckle (both Eurasian and Japanese), Euonymus, and garlic mustard. Volunteers have already put in hundreds of hours removing these invasives.

If you are interested in learning more about this project or helping out, please call Bob Whyte or Beth Krisko

Programs Offered

The Trailside Museum offers natural history exhibits and visitor information. Education programs are offered for all ages. We will even do a nature birthday



Well-hidden Dingle Dell pond is located south of the Trailside Museum. Once a park setting, it is proposed to restore the pond.

party for you with games and animals. You may make reservations by contacting the Trailside Museum at 937-767-7798.

All groups of ten or more are asked to make reservations in advance.

Trailside Wish List

- Reptile basking bulbs (day)
- Reptile night heat lamp (50 or 60 watt)
- Electric timer (to turn lamps on and off)
- Binoculars
- Sulfa baths (for turtles)
- Wardley Reptile Sticks
- Duetto filters – mechanical pre-filter, biological filter, chemical filter (all OJ50)

GHEI Mission Statement

The mission of the Glen Helen Ecology Institute is to provide leadership in preserving Glen Helen and in developing new models for pursuing the interdependent goals of environmental and human well-being. The Institute's programs are designed to address the ecological, economic, political, social and spiritual challenges to human culture as it strives to build a sustainable society.

Glen Helen Ecology Institute Board of Overseers

- David Hergesheimer, *Chair*, Catalpa Lane Pottery
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- Donna Denman
- Dave Goodwin
- Paul Graham
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- Barry Hoskins, The Antioch Company
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- Joan Straumanis, President, Antioch College
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- Betty Ross, Director, Raptor Center
- Ray Harphant, Glen Helen Crew Leader
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- Tosh Asakawa, Ruth Bent, Elaine Brown, Dorothy Clark, Rita Colbert, Wilma Deen, Lindsey Folck, Ellen "Tee" Forshaw, Paula Hurwitz, Jean Huston, Amy Kimura, Kimberly Kowalczyk, Marv Lamborg, Nancy Mahoney, Nell Maloney, Marcia Mathiasen, Mildred McConville, Alice McKinney, Evelyn Sikes, Dorothy Scott, Susan Stiles, Helen Westneat, Kathy Wilkinson, Phyllis Williams

♻️ Printed on recycled paper

Glen Helen Ecology Institute Administrative Offices

Located in the Glen Helen Building
405 Corry Street, Yellow Springs, OH
Mon-Fri, 9:00-4:30

Trailside Museum & Visitor Center

505 Corry Street, Yellow Springs, OH
For information on hours, walks & programs call 937-767-7375 or 937-767-7798.

Glen Helen Nature Preserve

Trails are open daily, sunrise to sunset. All wildlife, vegetation, and natural features are protected.

Outdoor Education Center

Residential environmental education center for school groups and summer EcoCamps.
1075 State Route 343, Yellow Springs, OH
937-767-7648

Raptor Center

Raptor education and rehabilitation center
Visitors are welcome to visit the center and see the resident birds.
1075 State Route 343, Yellow Springs, OH
937-767-7648

Glen Helen Nature Shop

Located in the Glen Helen Building
405 Corry Street, Yellow Springs, OH
Mon, 1-4pm; Tue-Fri, 9:30-4:30; additional Saturday hours 10-4; 937-767-7375



Glen Helen Ecology Institute
ANTIOCH'S LIVING LABORATORY

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