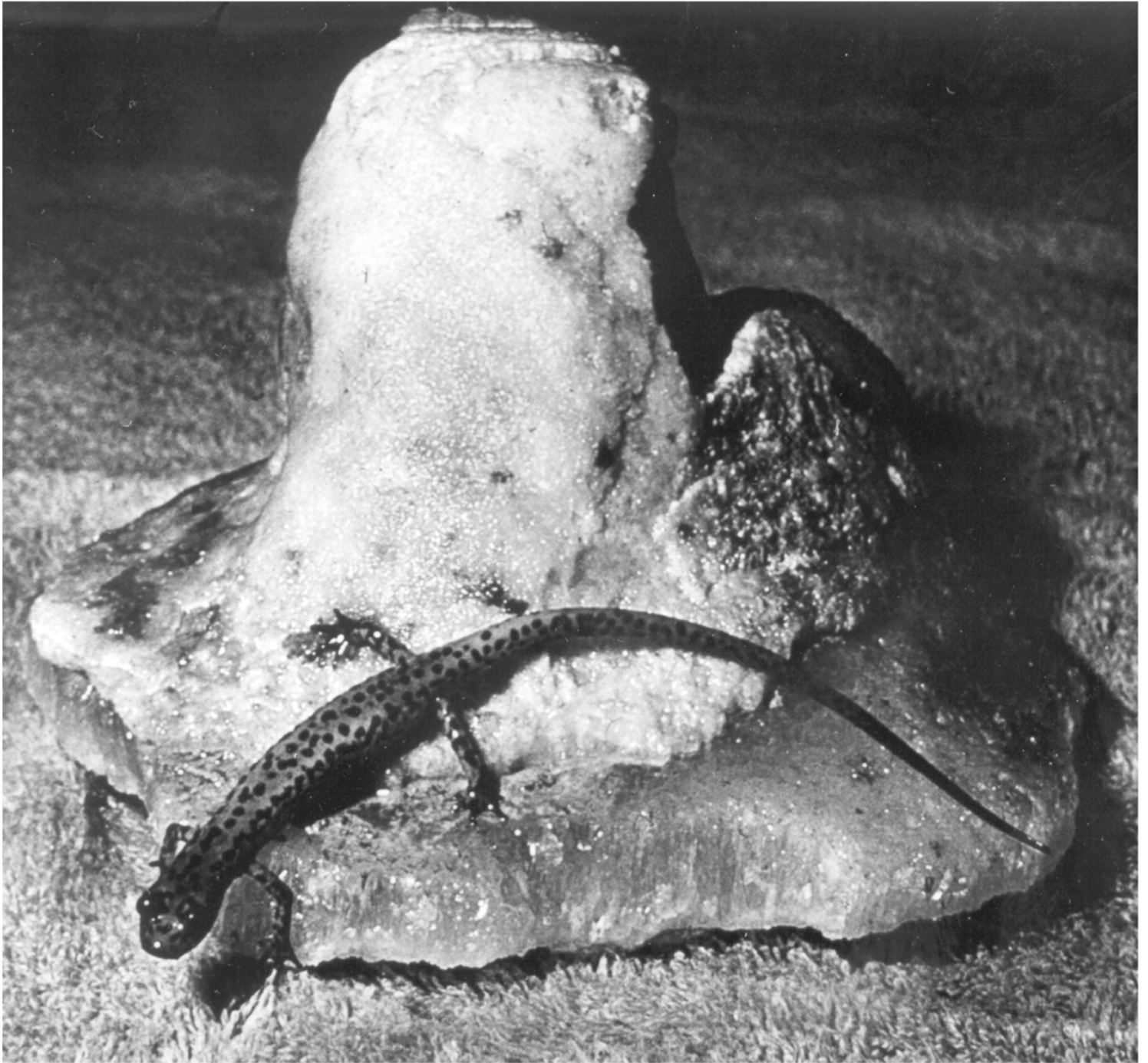

IKC Update

NUMBER 54

SEPTEMBER 1999



INDIANA KARST CONSERVANCY

INDIANA KARST CONSERVANCY, INC.
PO Box 2401, Indianapolis, IN 46206-2401
Affiliated with the National Speleological Society.



The Indiana Karst Conservancy is a non-profit organization dedicated to the conservation and preservation of caves and karst features in Indiana and other areas of the world. The Conservancy encourages research and promotes education related to karst and its proper, environmentally compatible use.

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<p>MANAGED CAVES/PATRONS</p> <p>Coon Cave Keith Dunlap (see E-Board list)</p> <p>Grotto Cave Keith Dunlap (see E-Board list)</p> <p>Orangeville Rise (to be appointed)</p> <p>Shaft Cave Jeff Cody (317) 888-9898</p> <p>Shiloh Cave James Adams (see E-Board list)</p> <p>Suicide Cave Ronnie Burns (see E-Board list)</p> <p>Sullivan Cave Bob Vandeventer (see E-Board list)</p> <p>Wayne's Cave Serena Smith (812) 339-2394</p>	<p>Cover: Cave salamander on formation. Black & white photo by Don Martin (circa 1960)</p> <p>Newsletter staff: Keith & Bambi Dunlap</p> <p><i>Myotis Press</i> </p>	

QUARTERLY MEETING & COOKOUT REMINDER

SATURDAY, SEPTEMBER 25th, 5:00 PM

MITCHELL, INDIANA

HOME OF STEVE LOCKWOOD, RR 1, BOX 107

The quarterly meetings are for members and other interested persons to have an open forum for talking about cave and karst conservation and related topics. Past, present, and future IKC projects are discussed to solicit comments and input from our members and the caving community as a whole. The meetings are informal, and everyone is encouraged to attend and participate. The IKC Board *wants* your input.

Preliminary Agenda Items: Brief recaps of last quarter's activities; DNR abandoned mine gate project rap-up; Orangeville Rise workday rap-up; Land Acquisition Committee activities, Sullivan Property activities and driveway discussion; Leonard Springs park activities; HNF inventorying project; Bylaw changes; Auction items; Cave patron appointments; and more....

Following the business meeting (approximately 7 PM) will be the annual pitch-in cookout. The IKC will provide the grilled burgers, hot dogs, and brats; condiments, and soft drinks. Please bring a salad or covered-dish to share. Finishing off the evening's activities will be the highly contested dessert competition. Bring an entry or enjoy sampling and selecting the winners. Also bring lawn chairs, your swimsuits, and the family. Contact Steve Lockwood or Kriste Lindberg for further details.

Meeting Directions: See page 15

ACTIVITIES CALENDAR

- 25 SEP = IKC QUARTERLY MEETING, Mitchell (see above)
- 25 SEP = ORANGEVILLE RISE WORKDAY, near Orleans (see page 6)
- 02 OCT = LOST RIVER EDUCATIONAL TOUR, Orleans (contact Bob Armstrong)
- 16 OCT = HNF/IKC KARST PROJECT TRAINING SESSION, Bedford (see page 9)
- 19-23 OCT = NATIONAL CAVE MANAGEMENT SYMPOSIUM, Tennessee (see page 4)
- 23 OCT = OVR CONSERVATION PROJECT, Sloan's Valley, KY
- 20 NOV = HNF/IKC COMMITTEE MEETING AND FIELD WORKDAY, Bedford
- ?? DEC = IKC QUARTERLY MEETING, location and date TBD

For more information on the Indiana Karst Conservancy, visit our web site at <http://www.caves.org/conservancy/ikc> or write to our PO box. Membership to the IKC is open to anyone interested in cave and karst conservation. Annual dues are \$15. Please see inside back cover for the membership application form or to make a donation.

The *IKC Update*, distributed for free, is published quarterly for members and other interested parties. The purpose of this newsletter is to keep the membership and caving community informed of IKC activities and other news related to cave/karst conservation. Submission of original or reprinted articles for publication is encouraged.

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RAMBLINGS FROM THE PRESIDENT...

In the last update, I talked about the need to be more proactive with securing significant karst properties before they are lost to us. So far, so good. Many persons, including realtors, those involved with land trusts and the like are interested and we are well on our way to devising a plan which will take us further along into this new endeavor.

Of course, as we get deeper into it, we will need to deal with more issues. These issues will include, but are not limited to the responsibilities of finances and land management, including conservation easements and leased properties. We've dealt with some of it before, but some of it will be new to us. It is pretty heavy stuff but we can handle it if we all work together.

One of the things that makes the IKC such a strong organization is its people. We all come from a wide variety of backgrounds to pull together for a common cause. Everyone has something to contribute -- whether it be in the form of labor, advise, cleaning up areas, financial support, or even filling up a water cooler!

It doesn't matter, we make good use of all help that comes our way.

Actually, as a side note, I personally find delving into these new challenges to be rather enriching. They can be a bit intimidating at first but after a while, the pieces start coming together and making sense. Dealing with them can bring one heck of a sense of accomplishment.

I trust you will stick with us as we venture further...

If you have any questions or would like to offer further advise, suggestions, or constructive criticism, please let me know. You can e-mail me at lindberg@kiva.net or call me at 812-849-5766. All inquiries will be answered!

Incidentally, if you would like to learn more about the intricacies of land trust management, check out the land trust list server, landtrust@indiana.edu. Also, some of us are involved with putting together a cave and karst conservation list server. More details to follow as they unfold.

Kriste Lindberg

NEWS BRIEFS...

- The last Lost River tour of the year hosted by Bob Armstrong will be conducted on Saturday October 2. The car-caravan tour starts in western Washington County near the head waters of the Lost River and traces its route to the west across Orange County, where it sinks near Orleans, then resurges near Orangeville. In between you will gain much knowledge of the geology and hydrology of the area along with its colorful history. The Lost River drainage basin is a classic example of a karst system including many examples of human impact and incompatible use. The tours are free. The meeting place is the southeast corner of the square in Orleans, leaving at 8 AM sharp. Expect an all day trip with a one-hour lunch break in Orleans. Be prepared to hike as some of the features are inaccessible except by foot. Tours will go, especially if it rains. This is a must do if you are interested in seeing/understanding karst first hand. For more information, contact Bob at (317) 926-4266.
- The 14th National Cave and Karst Management Symposium is quickly approaching. The biennial conference this time is being organized by the Southeastern Cave Conservancy and will be held in Chattanooga, Tennessee, October 19-22. Attendees include cave and land managers from federal and state agencies, commercial caves, conservation organizations, and the general caving community. The symposium consists of numerous cave and karst conservation/management presentations, several field trips, and the opportunity to interact with others dedicated to cave conservation. For more information, visit www.caves.org/~ncms99 or contact Mark Wolinsky at (919) 755-9945 or ncms99@sccl.org. The IKC co-hosted this biennial conference in 1995.



- ❑ The IKC has three positions available, and we are looking for interested and responsible individuals willing to volunteer:

The first position is the management committee chair (and the likely committee of one) for the recently acquired Orangeville Rise property. The responsibilities are to check on and monitor the property at least several times per year, keep trash picked up, and determine what if any additional attention is needed to maintain the property per its Articles of Dedication documents.

The second position is the management committee chair for the Sullivan property (Bill Tozer has served as the chair during the funding phase but would now like to see the chairmanship transition to someone else). Per the management plan, a management committee will oversee the property and cave. The committee chair will coordinate activities and organize the various projects related to the property (above and below ground). This position should not be confused with the cave's patron (Bob Vandeventer) whose primary responsibilities are to monitor the cave, coordinates/schedules trips, and interface with cavers.

The third position is the patron for Wayne Cave. Serena Smith has held this position for over ten years, but she has indicated that she will be moving away from Bloomington in the near future. The Wayne's patron is responsible for screening and coordinating access to the cave and to check the cave's gate/lock occasionally.

Interested candidates should contact Kriste Lindberg prior to September 25th.

- ❑ The IKC and DNR has been conducting temperature studies in Coon, Grotto, and Ray's caves for the past six years to document the temperature characteristics of these important Indiana bat hibernacula. Bat Conservation International initiated a similar project last year in twelve mid-western caves including Twin Domes, Batwing, Wyandotte, Saltpeter, and Ray's caves in Indiana. The DNR and IKC have volunteered to service these Indiana dataloggers (18 total) for BCI; downloading data, replacing batteries, and performing other maintenance as needed. This was done in July by Scott Johnson, Keith Dunlap, and Chris Schotter.
- ❑ A number of activities have been going on above ground on the Sullivan property. In addition to progress being made on the new access driveway (more on this in the December *IKC Update*), a number of volunteers (Keith Dunlap, Bambi Dunlap, Steve Lockwood, Kriste Lindberg) have helped to keep the central clearing mowed, and the new trees in the western clear maintained. Meanwhile, an additional 300 to 400 trees are being planned for next year in the same clearing. Also, Bob Vandeventer and Keith Dunlap have hauled six loads of firewood down to the property for future use by those wishing to camp there (we ask that if you use the firewood, to please make a small donation to the IKC). The high-quality firewood was donated and split by Bob Decker.
- ❑ Another task on the Sullivan property we need to complete is the design and construction of the information kiosk. While the design should be simple and naturally attractive, it also needs to be durable and low maintenance. The kiosk should have panels for educational and conservation messages and also to list the donors who contributed to the purchase of the property. Construction ideas or better yet volunteers to lead this project and/or build the structure are needed. Here's your chance to breakout the power tools (or "justify" buying new ones). Our target date is to have the kiosk ready to install in April. Contact Kriste Lindberg if you are interested.
- ❑ The IKC continued its public outreach efforts with three presentations in the last quarter. On June 4th, Bruce Bowman gave a 30-minute talk on the IKC's activities to approximately 90 members of the Indiana Soil and Water Conservation Society. The preliminary discussion was held at Wyandotte Cave, after which the attendees took a bus tour to a number of karst

features in Harrison, Crawford and Washington Counties. This was followed by a presentation of the IKC slide show to the East-Central Indiana Audubon Society in Muncie on the 14th. The Society graciously provided a \$50 honorarium to the IKC for this presentation. Not to be outdone, Kriste Lindberg gave a similar presentation to a number of youths at a day camp program in Bloomington during the first week of August. Conservation and safety were emphasized. The following day, the youngsters were able to use the knowledge they gained while being treated to a trip through Blowing Bat Crawl at Marengo Cave.

- ❑ The long fought battle by our friends to the south over protecting Sloan's Valley Cave System from the Pulaski County Landfill may finally be over. Reports are that the plans for the expansion of the landfill in this highly karst region have been nixed for environmental reasons (duh!). The new owner of the landfill, Waste Management Inc, is expected to reclaim the excavated area and dismantle the existing buildings. Of course one always has to be suspicious of any actions there considering the number of past devious turns the landfill has taken in the past to remain open and expand.
- ❑ We would like to announce that IKC member Gordon Smith, co-owner of Marengo Caverns is now also a part owner of Diamond Caverns in Kentucky, near Mammoth Cave National Park. Gordon, along with Gary Roberson, have been very supportive on the IKC and Indiana cave conservation in general, so if you happen to be in the area of Marengo or Diamond Caverns, stop by and patronize their commercial operations. Both caves are highly decorated, carefully protected, and do a good job of educating the general public on issues related to caves.
- ❑ The Indiana Geological Survey is offering a new educational poster entitled "Features of Indiana Caves." This attractive, 36-inch by 24-inch laminated poster features full-color high-quality photos and brief descriptions of cave formations and cave fauna. The price is \$12 from the IGS sales room (611 N Walnut Grove, Bloomington), or \$15 including standard postage and shipping. Contact the IGS at 812-855-7636 or IGSinfo@indiana.edu.
- ❑ The IKC still has one final item to auction off for the Sullivan property fund. The item is a one-of-a-kind sterling silver carbide lamp pendant (approximately 1/2 inch tall) and rope chain necklace hand crafted and donated by IKC member Jack Wood. For more details and to make a bid, go to <http://www.caves.org/conservancy/ikc/promo.htm> or contact Bruce Bowman. The high bid as of September 11th is only \$40. Final bids will be taken at the September 26th IKC meeting (see page 3).
- ❑ Four new members have joined the IKC in the past quarter. Welcome Ken Alwin, Jamie Winner, Jereme Vandenheuvel, and Ron Adams. The IKC membership now stands at 156.

ORANGEVILLE RISE WORKDAY - SEPTEMBER 25th

This will be our first workday for our newly acquired IKC property. Come and check out the property and lend a hand. Our main tasks for the day will be to pick up trash and post new Nature Preserve signs along the property boundaries. We may also attempt to locate the corner pins on the property. We will also be evaluating plans for future projects including the removal of concrete/road rubble, location for our new routed sign, and erosion control strategies.

Starting time will be noon and we should finish up by 3 or 4 PM, in time for the IKC meeting in Mitchell. The Orangeville Rise is located the town of Orangeville in Orange County. From Orleans, take SR 37 south and watch for the road sign pointing to Orangeville. Turn west and go 5 miles to a Tee, then south 1/4 mile to Orangeville. Questions? Contact Kriste Lindberg.

NEW SIGNS FOR THE HANCOCK PROPERTY

by Keith Dunlap

The Hancock property is located southwest of Bloomington and was the IKC's first cave management project, initiated fourteen years ago. The property contains Coon, Grotto, Shaft, and Turtle caves as well as a few other smaller karst features. The property and caves received quite a bit of attention in the early years with numerous restoration trips and other activities to reduce unauthorized entry into the caves and onto the property. Luckily, we have been successful in our efforts and we are now in a maintenance/monitoring/scientific phase as the caves are seeing very little new vandalism and the trespassing on the property is much less of a problem.

In January 1985, a three-foot by three-foot wooden sign with stencil-painted lettering was erected on the trail to Grotto Cave to discourage winter visitation. Because the cave had had unrestricted access for so long, the sign was repeatedly vandalized (the running joke was that the more bright-orange spray paint sprayed on the sign, the less there would be left for the caves) and was eventual-

ly destroyed in less than a year.

To facilitate repainting after vandalism, three new signs were routed in 1987 (one each by Mike Miessen, Dave Everton, and



Jamie Winner inspecting the Grotto trailhead sign.

Keith Dunlap) and erected at the trailhead to Coon Cave, at the trailhead to Grotto/Shaft caves, and at the entrance to Grotto Cave (inside the fence). Remarkably, none of these signs suffered even one instance of vandalism.

A number of years ago, the sign at Grotto Cave was repaired and repainted to correct some damage caused by squirrels gnawing on the sign boards (they seemed to like the treated lumber). Also the mailing address on all three signs became outdated when we switched from our Plainfield address to Indianapolis, and the winter closure dates were also revised. These latter changes would require new boards to be routed, but no one seemed to get this done despite several years of having it as an active discussion item. Finally, Bruce Bowman last spring routed four new replacement boards for the two trailhead signs.

On August 28th as part of the Hancock property workday, the boards were replaced and the signs were wire-brushed, re-primed, and re-painted. While the termites have done a little damage, these signs should be good for another five to ten years.

Participants for the work day were Charlie Beima, Jeff Cody, Bambi Dunlap, Keith Dunlap, Dave Dunn, Kriste Lindberg, Charles Cummings, Patty Cummings, and Jamie Winner.

Photos by Kriste Lindberg



Part of the crew painting the Coon trailhead sign.

LEONARD SPRINGS NATURE PARK UPDATE

by Kriste Lindberg

The Leonard Springs Nature Park near Bloomington is moving right along. The main loop trail is just about finished (it's almost a mile in length!) and the stairway will be completed by the end of the month. Since the last update, a few other projects have been taken on there, as well.

Back in April, the Eastern Indiana Grotto chose this project to be the site of their annual conservation endeavor. Since then, they have pulled together to do two cleanups and plan to do yet another! During the first cleanup, we cleared 19 tires out of Shirley Springs Cave as well as filled half of a dumpster full of assorted other trash from it and the surrounding area. Fortunately, although filthy, much of the trash could be recycled. The next cleanup found us hauling three large appliances out from the bottom of the reservoir, near Shirley Springs itself, as well as several more tires and lots of other junk. Thanks to the EIG, the place is really looking good and we've had a lot of fun doing it.



The entrance area of Shirley Spring Cave before the Eastern Indiana Grotto cleanup in June.

Also, last month, Patti Cummings and Bud Dillon helped Steve Cotter (Bloomington Parks and Rec), and I pull down the old shelter house. It was a dangerous structure,



EIG members hauling out an old dishwasher.

was about half way down, and its roof was full of shotgun blasts. Thanks to them, this part of the nature park is much safer to visit.

Additionally, the City of Bloomington has cleared a section near the road to be used as a parking lot.

If you walk the loop trail, you will find yourself descending through limestone layers to the bottom of the reservoir and back up again. There is close to 200 feet of relief. Along the way, you will see a wide variety of plant and wildlife, including, spicebush, eastern cottonwoods, willows, beaver dams, and a great variety of birds. Once the observation deck is built on the dam, it will be a great place for those interested in viewing all sorts of wetland life. Just the other day, I was out there and stood in silence as about a dozen hummingbirds buzzed around a large stand of jewelweed growing beside one of the beaver dams.

This nature park is slated to open later this year. The official date is to be determined, but we will let you know. In the meantime, the City of Bloomington is offering a free tour of the trail system on September 25 at 9:00 AM. It should take about an hour and a half. If you would like to join this one, or would like to visit it some other time, please let me know, lindberg@kiva.net or 812-849-5766.

Photos by Kriste Lindberg and Brain Leavell



HNF/IKC KARST PROJECT UPDATE

by Kriste Lindberg

First off, congratulations to HNF wildlife biologist and cave specialist, Kelle Reynolds, on the birth of her new son, David. She now has two children a girl and a boy. Mother, father, and children are all doing fine.

Things have been kind of quiet over the summer as no inventories have taken place during this time due to everyone's hectic schedules and conflicts with other caving events. However, we were able to take care of some paperwork concerns. We have been working on more management plans, have submitted nomination forms for twelve caves for FCRPA significant cave status, and have submitted our comments on other directives, including an early draft of the Wesley Chapel Gulf Special Area management plan.

We will be back in operation on September 18 with more field work and have a full

day planned for October 16:

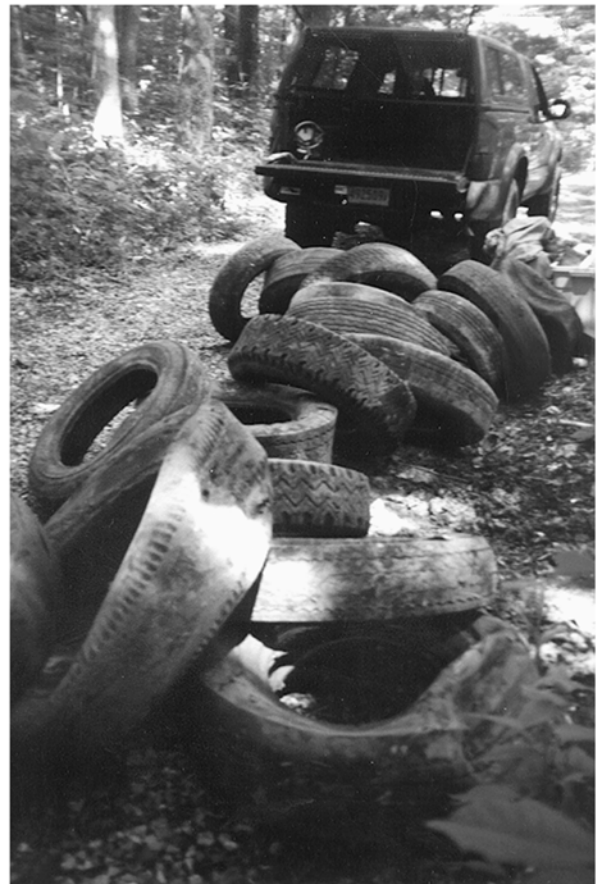
MINI-HNF/IKC KARST INVENTORY PROJECT TRAINING SESSION OCTOBER 16, 1999, 10:00 AM AT THE HNF HEAD-QUARTERS IN BEDFORD WITH FIELD-WORK TO FOLLOW AT ABOUT 2:00 PM.

This mini-training session will cover GPS locating of caves, archaeology, biology, geology, hydrology, recreational use, etc. Experts in these areas will be hand to give presentations and answer questions. This workshop will be brief yet offer you quite a bit of knowledge. If you are interested in caves of this area, please do plan to attend. By the way, the session is free.

Hope to see you there. For more information, please contact me, lindberg@kiva.net, or 812-849-5766



Tires and trash in the stream before the clean-up, just below the resurgence at Leonard Spring Nature Park.



The final tally on tires collected from the cave and elsewhere on the property: 19.

IKC/DNR SECURE ABANDON MINE ENTRANCES FOR BATS, PART 2

by Keith Dunlap

On the weekend of June 26/27, twenty IKC volunteers completed the second phase of our bat habitat project for the DNR, constructing four more bat gates on abandoned mine entrances in Pike County. The mine entrances this time were all part of a single system (site #859) located west of the community of Glezen.

To give a little more background, these mine entrances and horizontal tunnel were originally dug to remove coal in the early 1900s along a prominent bluff. At one time,



Finished gate in entrance #1 of the abandoned mine.

there were probably a dozen or more entrances to this mine, but only four have survived. Because these open mine entrances are a potential hazard to anyone who might enter them, the Indiana DNR Division of Reclamation has the responsibility to "secure" them, usually by bull-dozing them shut. However, prior to closure, federal law requires the mines be checked for use by the Indiana bat (an endangered species). This was done and although bats were found to be using the mine, no Indiana bats were identified. Thus legally and per federal guideline, the entrances should be closed permanently as previously done on hundreds of other entrances in Indiana.

The IKC became involved because Mark Stacy of the Division of Reclamation was wanting to look at alternative closure methods which would still meet his requirements of protecting the public, but at the same time continue to provide habitat for non-endangered bat species. If bat gates could be constructed for comparable costs to the tradi-

tional closure methods, this seemed like a good thing to do.

I visited two potential mine sites in September of 1998 and proposed a work scope which the IKC Board discussed and approved. A quote of \$6900 was submitted in March to the DNR as a pilot project to construct seven gates and three other minor structures with the IKC providing all the materials, equipment, volunteer labor, and expertise to complete the job. On May 8th and 9th, the first half of the project was completed (see *IKC Update* #53). The remainder of this article will detail the work completed during the final work weekend.

When I arrived at the designated meeting place, the Sugar Ridge maintenance yard, about a dozen people were already there and waiting. Terry Clark had brought his flat-bed trailer and we quickly loaded up about a third of the remaining steel which had been stored there since May. After waiting until about 8:30 for everyone to arrive, ten vehicles caravanned over to the work site. The forecast called for scattered afternoon showers, but the dark overcast sky told a different story. The first of the four mine entrances was only about 100 feet from where the trailer and equipment was parked, but we decided to start with the farthest one (also the biggest one), about 1000 feet away, and work our way back. Thus with ample volunteers, and fresh enthusiasm, the needed equipment and steel was shuttled to the mine in quick order. Simultaneously Tom Sollman and Dick Vernier started digging the trench for the gate's sill plate. Once the



Steve Weinzapfel running the cutting torch.





Richard Newton arc welding on gate in entrance #1.

trench was deep enough, the sill plate was cut (almost twenty feet long), dropped in place (not so easy as it weighed almost 300 pounds), and leveled up. The three vertical supports were then cut, their bottom-end welded to the sill plate, and their top-end pinned to the ceiling using one-inch diameter by twelve-inch long pins. At this point, the rest of the gate construction became pretty routine: measure the length of the horizontal angle-iron bar from wall-to-wall, cut the bar, place it on the spacer-jigs, weld it and the support brackets to the vertical supports, move the jigs up, and repeat the process until you are to the top. Assuming we calculated the depth of the trench correctly, the top bar should just fit without an excessive gap above or irregular spacing below.

Because we had four similar gates to build, we basically organized into a production line, with Tom and Dick moving on to the next entrance to start the trench as soon as they were done with the first. At one point we were digging the trench in the third entrance, setting up the sill plate in the second, and finishing up welding in the first. Equipment and tools were moved immediately to the next hole as soon as its task was completed at the current gate. All this took a lot of cooperation and coordination with only one hammer drill, one torch and generator/welder. Not only that, but we were going through quite a bit of steel and those doing the less glamorous work of hauling all the steel was doing a wonderful job of keeping up. I have worked on a lot of gate projects before (both IKC and with Roy Powers) and can not think of a time when *every* volunteer worked so hard to keep everything moving forward!

While all of the technical and logistical

things were going great, the weather was not cooperating. We had several brief showers mid-morning and then a full downpour around 4 PM. We continued working for a while longer since the gates were beyond the dripline of the entrances, but our trail outside became very slick so we quit around 5 PM and concentrated on getting all equipment back to the vehicles so we could call it a day. Despite the weather, we were ahead of schedule, having completed the first and second gates and having the sill plate set and vertical supports welded into place on the third.


On Sunday, most everyone made it back to help and we were ready to go by 8:30. It had rained on and off much of the night and it was still very cloudy and the forecast didn't sound very favorable. Just to prove the weathermen wrong again, by 10 AM most of the clouds were gone. We quickly picked up where we left off on the third gate, and the trench work was also started in the fourth entrance. By 10:30 we were done with the third gate and had all the equipment moved to the last entrance. The first three entrances had been dry, but the fourth entrance



Close up view of gate #1. Dimensions: 20 ft X 4 ft.

had a large pool of water just beyond the dripline. The previous day we had attempted to lower this pool by running a pump most of the day, but it was obvious the pool extended far into the mine and the pump had little effect. Thus we placed pallets down to keep dry while working and welding. By 1 PM, the last arc was struck and the site cleanup began.

The last tasks to be completed were the cleaning (wiping down with mineral spirits),

...continued on page 14 

INDIANA KARST CONSERVANCY TREASURY REPORT

Income/Expense Statement From April 1, 1999 to June 30, 1999

INCOME:

Dues Apportionment and Residuals	555.00	
Donations - General	170.00	
Donations - Sullivan Restricted Fund	474.00	
Donations - Acquisition Restricted Fund	560.00	
Donation TNC - Orangeville Rise	TBD	
DNR mine gates excess	3734.12	
Interest	<u>32.52</u>	
		\$5,525.64

EXPENSES:

IKC Update (printing, production, mailing)	213.22	
Membership (postage, meeting notices, etc)	38.27	
Conservation/Management/Education	117.71	
Misc (HEC, insurance, taxes, security box)	447.91	
Transfer to restricted funds	<u>1034.00</u>	
		(\$1,851.11)

NET OPERATING EXCESS (DEFICIT) THIS PERIOD: \$3,674.53

Balance Sheet June 30, 1999

ASSETS:

Cash in Checking Account	2112.26	
Cash in Savings Account	12426.83	
Accounts receivable (DNR mine gates)	4100.00	
Sullivan Property	68262.22	
Orangeville Rise Property	<u>TBD</u>	
		<u><u>\$86,901.31</u></u>

LIABILITIES & OPERATING EXCESS:

Hancock Property Maintenance Fund	122.69	
Indiana DNR Nongame Fund	134.00	
Sullivan Restricted Fund	2366.08	
Land Acquisition Restricted Fund	875.00	
Deferred Dues Restrctied Fund	2066.25	
Hat Fund (excluding 7 hats in inventory)	222.97	

Previous Operating Excess	77439.79	
Net Excess (Deficit) This Period	<u>3674.53</u>	
Current Operating Excess		<u>81114.32</u>

Total Liabilities & Operating Excess \$86,901.31

IKC QUARTERLY MEETING MINUTES

Saturday, June 26th, 1999

Winslow, Indiana

BOARD MEMBERS PRESENT:

James Adams
 Bruce Bowman (by proxy Bruce Trotter)
 Bruce DeVore
 Bambi Dunlap
 Keith Dunlap
 Kriste Lindberg
 Nick Noe
 Bob Sergesketter
 Tom Sollman
 Bill Tozer
 Bob Vandeventer
 Richard Vernier
 Kathy Welling (by proxy Steve Lockwood)

BOARD MEMBERS ABSENT:

Ronnie Burns
 Tom Rea

The June meeting was called to order at 8:21 PM at the Pike State Forest Shelter house, President Kriste Lindberg presiding. Introductions were made. Proxies for Kathy Welling (Steve Lockwood) and Bruce Bowman (Bruce Trotter) were accepted.

The minutes of the December Quarterly, February Director's, and March Business meetings were approved as published in the March and June issues of the *IKC Update*.

Treasurer Keith Dunlap reported \$14,671 cash: \$9,025 is in the General Fund, \$5,646 is in Restricted Funds including \$2,240 in the Sullivan Property Fund and \$875 in the Acquisition Fund. Expenses for the DNR abandon mine gating project are running below budget, so our net should exceed our target for this fixed-price contract.

K Dunlap reported on the activities of the Land Acquisition Committee. The committee is again active after the Sullivan property purchase.

Steve Lockwood has obtained two quotes for installation of the Sullivan property driveway. One was higher than expected, the other was *much* higher than expected. The two quotes were compared and contrasted with the main differences being the quantities of material specified. Lockwood recommended that we get a couple of more quotes before a decision is made. There was much discussion.

K Dunlap noted that there is approximately \$2,500 remaining in the Sullivan restricted fund that is earmarked and available for the driveway project. He mentioned that money from the DNR mine-gating project plus some money from the General Fund could be used to fund the driveway installation. The Board needs to move forward since our InDOT permit for the driveway installation expires on October 1. A decision needs to be made before the next meeting.

K Dunlap moved to allow Lockwood to obtain more quotes and approve up to \$5,000 for the driveway installation options A, B and C. Lockwood will communicate his discovery to the Board for final approval before contracts are signed. Seconded by Bill Tozer. Motion approved, 13-0-0.

A workday at the Hancock property has been scheduled for August 28. A lot of work needs to be done on the signage in addition to general clean-up.

The annual fall cookout after the Orangeville Rise cleanup has been scheduled in Mitchell on Saturday, September 25 at the home of Steve Lockwood and Kriste Lindberg.

The HNF/IKC Karst Inventory project continues. Lockwood summarized recent activities.

Lindberg reported that trails are being built and clean-up continue at the Leonard Springs Nature Park near Bloomington.

As part of the IKC reprint series, the Reprint #10 project has been reassigned from Keith Dunlap to Bruce Bowman. The IKC flyers and membership cards are in the early stages of being reprinted.

Bob Sergesketter moved and K Dunlap seconded to renew our Hoosier Environmental Council membership at the \$100 level. Motion approved, 13-0-0.

James Adams moved and K Dunlap seconded to accept a Corporate Authorization Resolution naming Peoples Bank and Trust as our depository. Motion approved, 13-0-0.

K Dunlap noted that IKC documents are in a safe deposit box at Peoples Bank and Trust. K



Dunlap and Lindberg have keys to the safe deposit box.

A Justrite hand lamp and seat harness, both donated by IKC members, were auctioned to benefit the Sullivan Property Fund.

Bruce Bowman and Keith Dunlap have submitted three bylaws changes for consideration. These were postponed until the September meeting.

There was continued discussion about a proposal by the Fort Wayne Parks department to use Sullivan Cave for cave-for-fee tours. There was brief discussion; however, it was felt that this type of use would not be appropriate. Lindberg will draft an official response.

Legislature Awareness: This was brought up for discussion at the last meeting. The discus-

sion was tabled until a future meeting.

Tozer asked the group if there would be interest in duplicating the Sullivan slide show before it is disassembled and the slides returned to the original photographers. Bob Vandeventer offered to put the slides on a CD-ROM. No motion.

Bruce Trotter noted that if the sinkhole brochure that The Nature Conservancy put out is reprinted, he sees a need for editing (which both the IKC and TNC agree upon) to indicate that there are significant karst areas in the eastern portion of the state, especially in need of a revision is the map depicting the karst areas.

Meeting adjourned at 9:54 PM.

Submitted by James Adams, Secretary

Continued from page 11...

priming, and top-coat painting of all the gates. This process actually started Saturday afternoon until it was rained out and continued Sunday morning with Bambi Dunlap, Kriste Lindberg, and Barb Capocy starting at the first gate, working their way towards the fourth. By 3 PM, all the gates were painted except for the top-coat of the fourth gate which Dick Vernier volunteered to stay and complete after the primer dried sufficiently. This allowed several of us to go back to the other site and finish the painting that didn't get done last May. We were finished with everything by 5 PM.

Originally, I thought under optimum conditions we might get the four gates constructed in two long days, but in the back of my mind I was prepared to have to make another trip to finish-up, especially to get the painting done. Even though the weather was less than cooperative, the number of volunteers and their skill levels *really* made this project go smoothly.

Participants included John Benton, Barb Capocy, Terry Clark, Bruce Devore, Bambi Dunlap, Keith Dunlap, Aaron Johnson, Steve Lockwood, Kriste Lindberg, James Metzger (IDNR), Richard Newton, Nick Noe, Gene Pelter Jr, Bob Sergesketter, Robert

Sollman, Tom Sollman, Mark Stacy (IDNR), Bill Tozer, Bob Vandeventer, Dick Vernier, Steve Weinzapfel, and Jamie Winner.

All total, I estimated the IKC contributed over 500 man-hours of direct labor, another 240 man-hours of indirect time (planning, paperwork, driving time), and about 7500 miles of traveling, or about \$10,000 using federal government guidelines for estimating volunteer cost-sharing efforts.

As stated earlier, this project was undertaken as an experiment to see if gating could be a viable alternative to bull-dozing mine entrances that serve as bat hibernacula. We hope the Division of Reclamation has concluded it is, although they realize their cost could be significantly higher if the work was done by a for-profit entity.

This fall I will be looking at four more mine entrances which the DNR would like to see gated next year. Whether we do more gates is dependent upon a number of factors, but these types of project do seem to be a win-win-win situation in that the bats are happy, the DNR is eliminating their hazards, and the IKC can perform conservation work while generating funds for other projects.

Digital images by Bob Vandeventer and Mark Stacy

QUARTERLY MEETING & COOKOUT REMINDER

SATURDAY, SEPTEMBER 25th, 5:00 PM

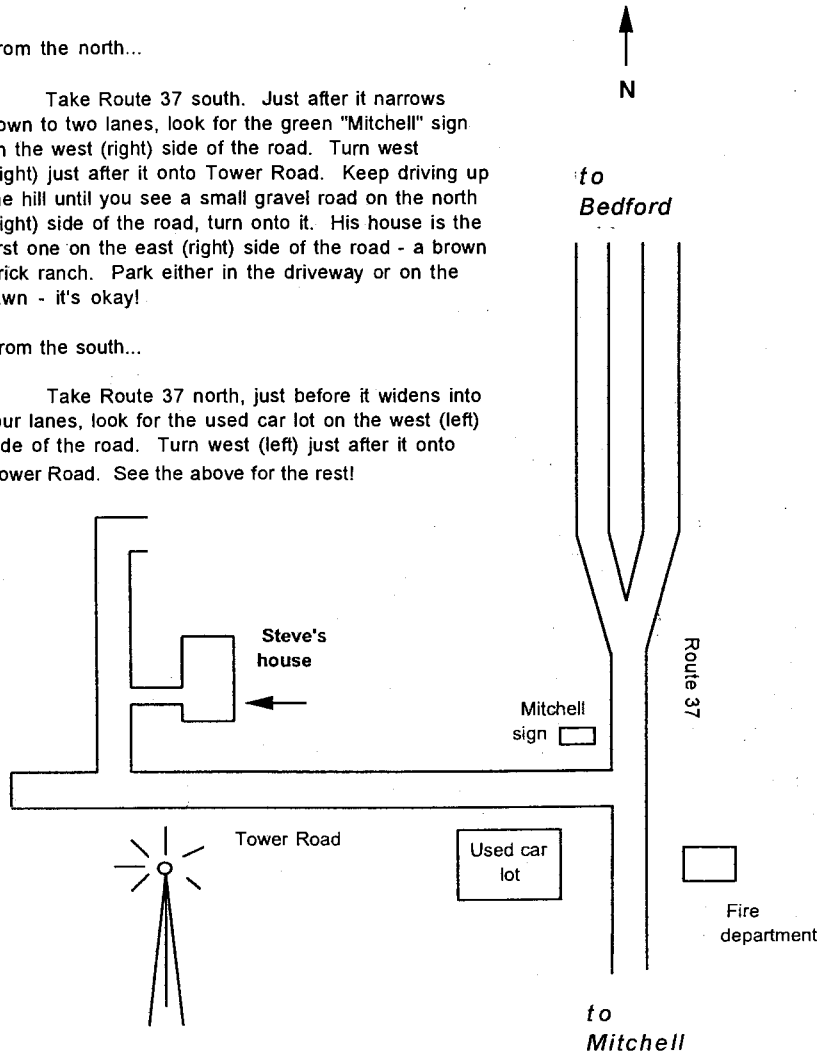
HOME OF STEVE LOCKWOOD, RR 1, BOX 107, 812-849-5766

From the north...

Take Route 37 south. Just after it narrows down to two lanes, look for the green "Mitchell" sign on the west (right) side of the road. Turn west (right) just after it onto Tower Road. Keep driving up the hill until you see a small gravel road on the north (right) side of the road, turn onto it. His house is the first one on the east (right) side of the road - a brown brick ranch. Park either in the driveway or on the lawn - it's okay!

From the south...

Take Route 37 north, just before it widens into four lanes, look for the used car lot on the west (left) side of the road. Turn west (left) just after it onto Tower Road. See the above for the rest!



INDIANA KARST CONSERVANCY, PO BOX 2401, INDIANAPOLIS, IN 46206-2401

I would like to help the IKC protect Indiana's unique caves and other karst features. Enclosed is:

\$ _____ for IKC membership dues at \$15 per year (dues expire March 31st of each year, please pro-rate @ \$1.25/month).

\$ _____ donation to the general IKC fund.

\$ _____ donation restricted to a specific IKC project. Please specify: _____

_____ I know of an area worthy of protection. Please contact me.

_____ I would like to volunteer to help. Please contact me.

NAME _____

ADDRESS _____

CITY/STATE/ZIP _____

PHONE # _____

Make checks payable to the Indiana Karst Conservancy, Inc. and mail to the IKC Treasurer, c/o Indiana Karst Conservancy, PO Box 2401, Indianapolis, IN 46206-2401. The IKC is an IRS recognized 501(c)(3) non-profit organization with membership dues and donations fully tax deductible.

