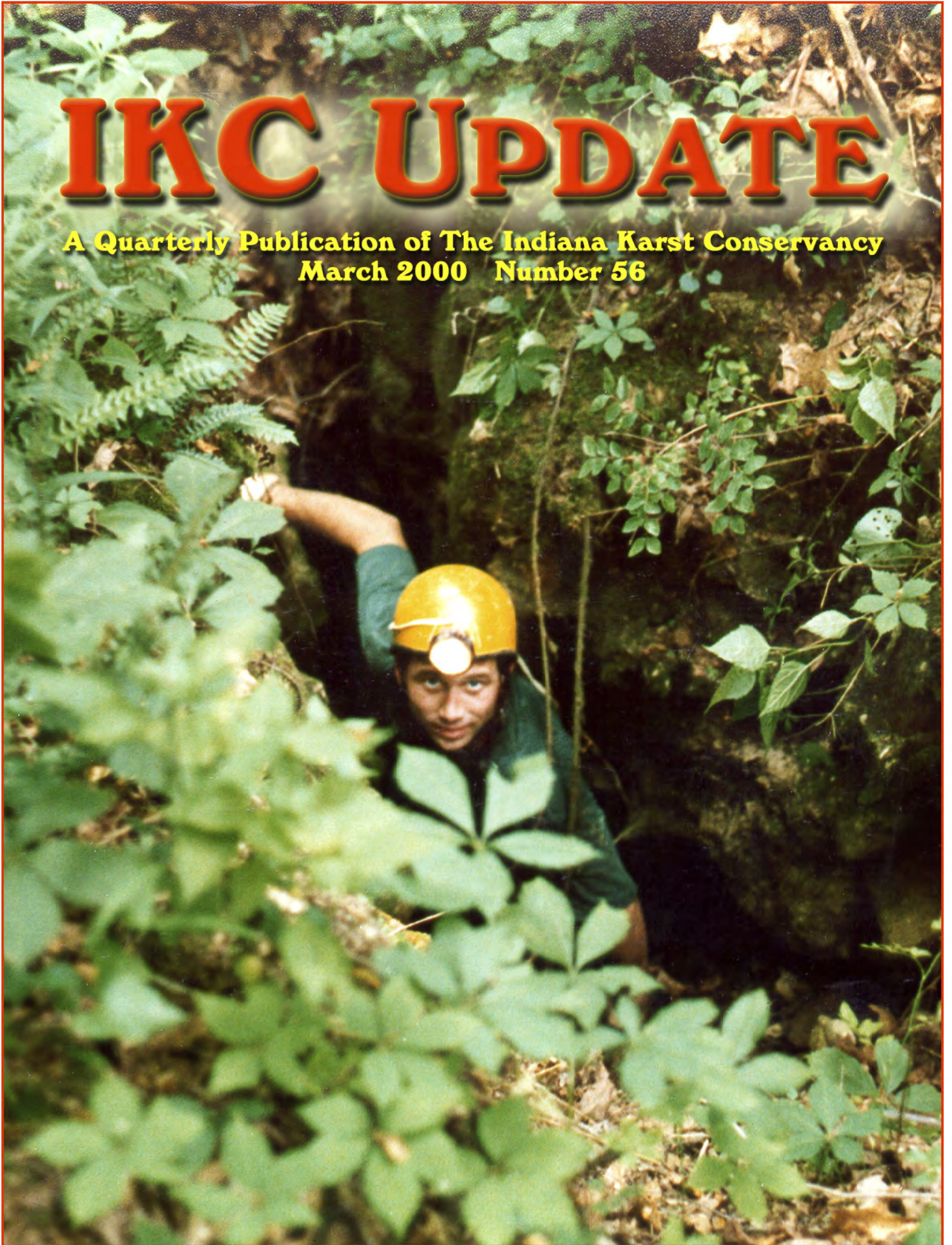


# **IKC UPDATE**

**A Quarterly Publication of The Indiana Karst Conservancy  
March 2000 Number 56**



# 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.

## EXECUTIVE BOARD

### President

Kriste Lindberg (2000)  
 (812) 849-5766  
 Lindberg@kiva.net

### Secretary

James Adams (2000)  
 (317) 882-3724(H)/(317) 285-1611(W)  
 JKAdams@aol.com

### Treasurer

Keith Dunlap (2000)  
 (317) 882-5420(H)/(317) 242-2505(W)  
 Keith.Dunlap@juno.com

### Directors

Bruce Bowman (2001)  
 (317) 539-2753  
 Bowman\_Bruce\_E@lilly.com

Ronnie Burns (2001)  
 (812) 883-7400

RBurns@blueriver.net

Bruce Devore (2001)  
 (219) 639-7249  
 BRDevore@aol.com

Bambi Dunlap (2001)  
 (317) 882-5420  
 Bambi.Deer@juno.com

Nick Noe (2001)  
 (317) 782-3442  
 NickNoe@classic.msn.com

Tom Rea (2000)  
 (765) 653-4423  
 TRea@caves.org

Bob Sergesketter (2000)  
 (812) 482-5517

Tom Sollman (2001)  
 (812) 753-4953  
 Sollman@juno.com

Bill Tozer (2000)  
 (765) 778-3259  
 WTozer@aol.com

Bob Vandeventer (2000)  
 (317) 888-4501  
 VandeventerB@tce.com

Richard Vernier (2000)  
 (812) 385-5058  
 rsav@gibsoncounty.net

Kathy Welling (2000)  
 (765) 653-6352  
 KathyD@ccrtc.com

## COMMITTEES/CHAIRPERSON

### Membership

James Adams  
 (see E-Board list)

### Land Acquisition

Hank Huffman  
 (812) 876-9645  
 HankandEllen@worldnet.att.net

### Web Technologies

Bruce Bowman  
 (see E-Board list)

### Publications

Keith Dunlap  
 (see E-Board list)

### Hoosier National Forest

Steve Lockwood  
 (812) 849-5766  
 SDL@kiva.net

### Sullivan Property

Keith Dunlap  
 (see E-Board list)

### Orangeville Rise Property

Steve Lockwood  
 (see above)

## MANAGED CAVES/PATRONS

### Coon Cave

Keith Dunlap  
 (see E-Board list)

### Grotto Cave

Keith Dunlap  
 (see E-Board list)

### Shaft Cave

Jeff Cody  
 (317) 888-9898

### Shiloh Cave

James Adams  
 (see E-Board list)

### Suicide Cave

Ronnie Burns  
 (see E-Board list)

### Sullivan Cave

Bob Vandeventer  
 (see E-Board list)

### Wayne's Cave

Tom Willett  
 (812) 332-8004  
 TWillett@earthlink.net

## GROTTO/LIAISONS

### Bloomington Indiana Grotto

Anmar Mirza  
 (812) 339-1506

### Bloomington Indiana Grotto

Kriste Lindberg  
 (see E-Board list)

### Central Indiana Grotto

Keith Dunlap  
 (see E-Board list)

### Dayton Underground Grotto

Mike Hood  
 (513) 252-2978

### Eastern Indiana Grotto

Brian Leavell  
 (765) 552-7619

### Evansville Metro Grotto

Ernie Payne  
 (812) 477-7043

### Greater Cincinnati Grotto

Eric Weaver  
 (513) 369-0738

### Harrison-Crawford Grotto

Dave Black  
 (812) 951-3886

### Louisville Grotto

Richard Newton  
 (812) 365-2495

### Mid-Hoosier Grotto

Jeff Cody  
 (317) 888-9898

### Northern Indiana Grotto

Bruce Silvers  
 (219) 471-9908

### St Joseph Valley Grotto

Bill Kulwicki  
 (219) 784-2115

### Stygian Grotto

Richard Orr  
 (314) 521-0355

### Sub-Urban Chicago Grotto

Gary Gibula  
 (603) 393-6746

### Western Indiana Grotto

Don Ingle  
 (812) 466-5015

### Windy City Grotto

Steve Petrumiak  
 (414) 279-3601

Cover: IKC member Kevin Wools investigating the entrance to Crying Goat Crypt Cave, Lawrence County, Indiana. Photo by Bruce Trotter (1997)

Newsletter staff: Keith & Bambi Dunlap



# ANNUAL BUSINESS MEETING

**SATURDAY, MARCH 18th, 10 AM**

**GREENWOOD, INDIANA**

**GREENWOOD COMMUNITY CENTER**

The annual business meeting is for the explicit purpose of elections. It is also 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: Elections; Brief recaps of last quarter's activities; Sinks of Indian Creek conservation easement transfer from TNC to the IKC; Property tax strategy for the Sullivan property; Under-Earth Day; DNR abandoned mine gate project for 2000; Land Acquisition Committee activities, HNF inventorying project; and more....

Meeting directions: See page 21 (inside back cover) for directions and map.

## ACTIVITIES CALENDAR

- 18 MAR = IKC ANNUAL BUSINESS MEETING, Greenwood (see above)
- ?? MAR = SULLIVAN PROPERTY TREE PLANTING, Springville (see page 4)
- 25 MAR = HNF COMMITTEE MEETING/FIELD DAY, contact Kriste Lindberg
- 01 APR = LOST RIVER TOUR, Orleans (see page 4)
- 15 APR = HNF FIELD WORK DAY, contact Kriste Lindberg
- 15 APR = INDIANA CAVE SYMPOSIUM, Milltown (see page 7)
- 16 APR = UNDER-EARTH DAY, Sullivan Cave, Springville (see page 7)
- 22 APR = TNC TREE PLANTING, Big Walnut Nature Preserve contact Keith Dunlap
- 29 APR = EARTH DAY INDIANA, Indianapolis
- 29-30 APR = DNR ABANDONED MINE GATING, Parke County (see page 6)
- 13 MAY = TAKE PRIDE IN AMERICA and/or HNF FIELD DAY, contact Kriste Lindberg
- 20-21 MAY = DNR ABANDONED MINE GATING, Greene County (see page 6)
- 10 JUN = LOST RIVER TOUR, Orleans (see page 4)
- 17 JUN = HNF COMMITTEE MEETING/FIELD DAY, contact Kriste Lindberg

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...

What a year. Things have progressed rather nicely for the IKC. The transition from Bruce Bowman's reign to mine has proven to be a smooth one, thanks to the help Bruce, Keith Dunlap, and the other board members have graciously offered. On a personal note, I've learned a lot and this has been one of the best and most fulfilling years in my life.

Looking back, we as an organization have accomplished quite a bit over the past year. Some of the highlights include acquiring the Orangeville Rise, the construction of a new driveway at the Sullivan Cave property to improve accessibility, developing Leonard Springs Nature Park into a site suitable for responsible visitation and karst conservation education, producing the IDNR abandoned mine gates (I'm sure the bats appreciate this, as well) and strengthening ties with that agency, co-hosting the Indiana Cave Symposium, hosting a cave/karst mini-training session HNF volunteers and moving right along on the HNF/IKC Karst Inventory Project (we are now up to 112 caves!), and enhancing our education and outreach efforts.

I'd like to take this opportunity to thank all our members for their help with these accomplishments. We could not have done them without you and working together successfully as a cohesive group. That, in itself, is something to be proud of. Everyone has something valuable to offer.

The IKC is a strong organization. It has grown considerably and consistently since it's

beginnings. With the two properties we own and our other leases, we are now in the position to say we have been actively conserving cave and karst areas in Indiana for a decade and a half.

The IKC's accomplishment list is quite lengthy. Just to name a few: we sponsored the 1995 National Cave Management Symposium; we have initiated and supported a number of Indiana bat conservation projects including the replacement of the gate on Wyandotte Cave; and we have partnered with a number of state and federal agencies to promote cave and karst protection, awareness, and education. It really puts our progress and mission in perspective.

Sure, we've accomplished a lot. But, there's still plenty left to do. We need to remain on top of the latest cave and karst issues and stay with them as they are always subject to change. In order to do this, we need eyes and ears from around the state, and even beyond, keeping us informed of what may be impacting these sensitive areas. Please do let us know if you hear of anything anywhere...whether it be on the media, over the internet, in an ad sheet, or even if you think it may just be hearsay. These things are still worthy of being checked out.

Once again, thanks everyone, and I look forward to practicing more cave and karst conservation efforts with you in the future.

*Kriste Lindberg*

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## NEWS BRIEFS...

- ❑ With the relatively inactive winter winding down, the caving calender is once again full of cave conservation/educational projects. Check out the calender on page 3 (and related articles throughout this issue) and pick a few projects to volunteer/participate in while having a little fun too. IKC projects can be very rewarding and there is always lots of fellowship in accomplishing good things together.
- ❑ As part of the above ground stewardship of the Sullivan Property, the Management Plan allows for the re-forestation of the two larger fields (one 2/3 of an acre on the western boundary, the other, 3 acres at the back of the property). This spring we will be planting approximately 400 hardwood trees (equal numbers of red oak, bitternut hickory, yellow poplar, and white ash) in the 2/3-acre opening. The trees are supplied by the InDNR nursery and will be available for pick-up sometime in late March. Once the trees are received, they need to be planted as soon as possible. Unfortunately, we can't set a specific workday date because we don't know exactly when the trees will be available. We will send out an e-mail as soon as we know the specifics. A half dozen volunteers should be able to plant all the trees in one afternoon.
- ❑ Bob Armstrong will once again be conducting his guided tours of the Lost River area, starting from the east at its head waters in Washington County, through Orange County to its



disappearance near Orleans, and on to its rise near Orangeville. This year there will only be *three* tours: April 1st, June 10th, and September 30th. They meet at the south-east corner of the square in Orleans at 7:45 AM on each of those Saturdays. Reservations are not required. Tours are “go, especially if it rains”. There will be some moderate hiking and sturdy footwear and long pants/sleeves are strongly recommended. The tour is free, but a small donation is suggested for the optional printed handouts. This is a must-do tour, if you are interested in Indiana karst. For more information, contact Bob at (317) 926-4266.

- ❑ The IKC’s website in January received the NSS’s webpage award. This designation is given on a quarterly basis to recognize efforts of NSS affiliated organization in designing and maintaining a web presence for the benefit of their organization. Bruce Bowman, the IKC’s webmaster, has done an excellent job of keeping the website fresh, interesting, and a useful resource. Recent additions include an IKC activities calendar to keep members informed of upcoming events and volunteer opportunities. Our website has also been very effective in recruiting new members.
- ❑ Last month, Kriste Lindberg attended the Midwest Cave Ecology Meeting in the St Louis area. It was the first of its kind and organized by Dr William Elliott, a Cave Biologist for the Missouri Department of Conservation. Many folks involved with cave and karst ecology issues in the Midwest either presented and/or attended. Good contacts were made by the networking opportunity provided as well. This, hopefully, will become a yearly event, perhaps being held in other Midwestern states, including Indiana.
- ❑ On January 29th, Kriste Lindberg gave a well-received presentation on “Recent Projects of the Indiana Karst Conservancy” to the Bloomington area’s Sassafras Audubon Society. Several folks showed up for this event, despite the cool temperatures, snow, and ice. This was the third IKC presentation to be given for an Audubon group within a year. Already, others have asked us to do more. Audubon folks are a diverse group (they are more than just bird-watchers) and have a lot in common with our efforts; we welcome the opportunity to present to them and others that are like-minded.
- ❑ The IKC has developed a very strong working relationship with The Nature Conservancy over the past decade. We have worked on a number of joint projects in the past and are continuing to work together on projects and potential land acquisition initiatives. The IKC encourages our members to join TNC and/or volunteer for some of their many stewardship projects. Example workdays include limestone glade restorations at Henderson Park, prairie restorations in north-west Indiana, and tree plantings at Big Walnut nature preserve. To be added to their stewardship volunteer newsletter, call their Indiana office at 800-937-5282.
- ❑ A new land trust has formed to service the south-central Indiana. The Buffalo Trace Land Trust will focus on Harrison, Washington, Floyd, Scott, and Clark counties and thus will be dealing with properties in karst areas outside of the territory currently covered by the Sycamore Land Trust (Monroe, Lawrence, Greene, Owen, Orange). For more information, contact Marion Percy at 812-738-0880 or mpercy@aye.net.
- ❑ Members of the Mid-Atlantic Karst Conservancy are raising funds for cave acquisition by raffling off a slightly-used van/cavemobile. Only 1,000 tickets will be sold at \$5 per ticket. The drawing will be held on April 29th. For more information, visit the MAKC website at [www.karst.org](http://www.karst.org).
- ❑ Thanks to Gary Cassidy of Pinckney, Michigan for his donation of 600 feet of Goldline rope to the IKC. The rope is used but in fairly good condition. The rope is available to members for any worthwhile cause such as a haul line for a cleanup project or to rope off an area for safety. Make an offer (no price is too small) and claim it as your own. Currently the rope has found a spot in Jim Adam’s garage, but Jim would like for it to have a better purpose in life. Contact Jim at [jkadams@aol.com](mailto:jkadams@aol.com) or by phone at 317-882-3724.
- ❑ After two years in planning and production, Special Reprint #10 is finished and being distributed with the March newsletter. Malott’s “The Swallow-Holes of Lost River” is perhaps the most complete and concise article on the Lost River’s many swallow-hole drains. The ar-



title was originally published in the 1951 *Proceedings of the Indiana Academy of Science*, published posthumously by Malott's family. The reprint production team included Bruce Bowman (scanning, OCRing, layout, proofing) and Keith & Bambi Dunlap (copying, collating, folding, stapling, trimming). The reprint series promotes our educational mission and improves accessibility of classic Indiana karst publications which are generally out-of-print and/or had limited circulation. With Reprint #10 complete, work will start on Reprint #11.

- ❑ Last year IKC member Aaron Atz was recognized by the NSS for his part in the successful prosecution of a cave vandal in Langdon Cave. Part of that recognition was a cash reward, of which Aaron donated \$100 to the IKC's cave acquisition fund.
- ❑ A number of members have made donations to the IKC's general fund and the Cave Acquisition restricted fund with their annual renewals. These donations are greatly appreciated and allow the IKC to initiate a number of projects beyond the basic services to our members and baseline expenses such as insurance, property management expenses, and our publications. A complete list of donors will be included in the June *IKC Update*.
- ❑ Effective immediately, membership cards of renewing members will be distributed with the quarterly newsletter mailings rather than as separate first class mailings as have been done in the past. This change will greatly reduce the correspondence efforts of the secretary, eliminate the paper consumed for "thank you" letters many members thought were unnecessary, and save approximately \$50 per year in postage. New members will continue to receive a "welcoming" letter.
- ❑ Each March, the IKC recognizes its ten-year members. This year we'd like to thank the following long-term supporters: Bruce Bowman, Al Goodcase, Scott Johnson, Jeff Bray, Larry Bundy, Gene Pelter Jr, Ron Richards, John Benton, Richard Newton, Gordon Smith, Bruce Devore, Dick Horn, Steve Ragsdale, and Steve Cahill. The membership roster now includes 59 members with ten or more years of IKC affiliation.
- ❑ Three new members have joined the IKC in the past quarter. Welcome Hal Hempe, Kevin Wyatt, Steve Taylor, and Russ Pusilo. The IKC membership now stands at 174. A complete membership/ mailing list starts on page 17.

## **ABANDONED MINE BAT GATES PROJECT APRIL 29/30 and MAY 20/21**

Yes, we are doing it again! The Indiana DNR is interested in the IKC gating five more old mine entrances that are used by bats. Generally most of these mine openings are closed by bulldozing, but the DNR wants to be more pro-bat. Last year they (and the IKC) did a pilot project building seven bat gates. They were happy with the results and requested that the IKC submit a bid for more gates this year. The work contract is in the final stages of being approved which would have IKC members manage the project and perform the actual work. In exchange, the DNR would cover all the costs of the materials and supplies, some volunteer out of pocket expenses, *plus* appropriately compensate the IKC for our efforts (i.e., this could be viewed as a fund raiser to support other IKC projects). This is a win-win situation, especially for the bats who are now living in these mines.

The work this year will be conducted over two weekends. The first weekend (April 29/30) consists of two gates in Parke County, one at Turkey Run State Park and the other just outside of Rockville, IN. The second weekend (May 20/21) will be at a site near Bloomfield in Greene County where three gates will be installed.

If you are interested and can help, please contact Keith Dunlap at 317-882-5420, Keith.Dunlap@juno.com. Specific details (schedules, directions, etc) will be provided as the time gets closer. Camping will be provided for those that can stay for the weekend.

## UNDER EARTH DAY XI - APRIL 16th

by Keith Dunlap

The Indiana Karst Conservancy will once again be sponsoring a workday at the Sullivan Cave property (Lawrence County) to celebrate Earth Day. This year's date is Sunday, April 16th, starting at 10 AM.

For cavers who are not familiar with Sullivan Cave, it is Indiana's fourth longest, with over nine miles of passage. In 1998, the cave and surrounding 28 acres were acquired by the IKC. Unfortunately the cave saw it's share of abuse in the 1970s and 80s but has slowly been restored with the help of hundreds of cavers over the past decade. Most of the trash has now been removed as



has much of the graffiti, improving the aesthetics of the cave significantly. However, there is still more to be done in the cave and your participation would be appreciated.

There will also be a number of above-ground projects. These will include continued hardening of the trails, the demolition and disposal of the abandoned travel trailer (see photo), disposal of the old road culverts replaced last year, and the removal of other trash/appliances scattered throughout the woods. Please bring gloves and whatever hand tools you feel would help with these projects.

For those planning to work in the cave, please have the appropriate caving equipment including a helmet with chin strap, proper footwear, and adequate light sources. A liability waiver must also be signed, children under twelve must be accompanied by a parent, and trips may be limited by the number of leaders available.

Limited, primitive camping is also available to IKC members and their guests.

Those needing more information or directions to the property may contact Keith Dunlap at 317-882-5420 / Keith.Dunlap@juno.com or Bob Vandeventer 317-888-4501 / vandeventerb@tce.com.

## INDIANA CAVE SYMPOSIUM 2000

by Keith Dunlap

The eighth annual Indiana Cave Symposium will be held on Saturday, April 15 at the Cave Country Canoe Rental's Group Meeting Hall in Milltown, Indiana. A hot-dog/hamburger roast will begin at 5:00 PM local time (4:00 Indy time) and talks will begin promptly at 7:00 PM local time (6:00 Indy time). Please bring a covered dish and/or dessert to the cookout to share. The hot-dogs/burgers, sandwich fixings, soft drinks, and paper and plastic ware will be provided. Camping will be available at the adjacent campground for free. This year the Indiana Karst Conservancy, Indiana Cave Survey, and Marengo Cave/Cave County Canoes are co-sponsoring the event.

The purpose of the event is to assemble the active caving groups to share and discuss

their projects, and for cavers and cave researchers to network. Presently, speakers for the symposium are being solicited from caving groups within Indiana and neighboring states. The emphasis will be on exploration, surveying, science, and conservation projects. It is preferred that the talks be on activities within Indiana. Talks will be from 5 to 30 minutes in length. A slide projector, computer projector, and an overhead projector will be available. This will be an excellent way of showing off your grotto's recent projects.

At this time, there are twelve confirmed presentations. These include History of Binkley Cave Exploration (John Benton &

...continued on page 14

## LEONARD SPRINGS NATURE PARK UPDATE

by Kriste Lindberg

After a peaceful winter, things are getting back into swing at this 84 acre nature park near Bloomington.

After the first big snow in January, I was fortunate enough to be the first visitor out there. Besides being a great site for cave and karst conservation educational efforts, it is also quite attractive and peaceful. That day was no exception. The snow and ice formations on the springs and other rock outcroppings were beautiful.

To add to these aesthetics, I'm happy to report that there have been no acts of vandalism at the park since it opened on October 18, 1999. As you can imagine, we are quite pleased with this. Hopefully, things will remain that way. In helping to assure this, we are working with the Bloomington Police Department to include all of the surrounding neighbors in on a neighbor watch program. The BPD's "Officer Friendly", Jim Graft, and I have already visited the site and spoken with several of the neighbors. They are willing to serve in this role. We will be holding a meeting within the next month to finalize plans and post the area as such.

Also, we are working with the Bloomington Indiana Grotto and Indiana University's Spelunking Club to have trash that accumulates along Leonard Springs Road South cleared as part of an Adopt-A-Road initiative.

To kick off this effort, the Ohio Valley Region has confirmed that they will be doing this site as their 2000 Conservation Project.

Besides doing the initial clean up of the existing trash on the hillside along the road, they will be helping us protect the caves from excess nutrient and associated runoff input (Ecologic, a Bloomington-based company specializing in native plants, is helping with this as well) and assisting us with our educational endeavors.

Speaking of education, we are moving right along there too. The word is getting out in the school systems that we are open for business. I have already shown a few teachers and students around the park and spoken with them about cave and karst conservation; a few more have since contacted me to do the same for them. These efforts are being well-received and lots of children and adults are learning many reasons why it is important as well as how to accomplish it.

Due, in part, to this positive response, the Bloomington Parks and Recreation department is working on strengthening their overall environmental education programs. We have had several meetings with educators about this over the past few weeks. Once up and running, it will really help not only with cave and karst conservation directly, but with all of the other ecological concerns that effect it, including human/nature interactions of all sorts.

If you would like to help out with the cleanups, educational efforts, or anything else associated with this little nature park, please let me know.



Vistors at Leonard Springs Nature Park looking into Shirley Spring Shelter Cave.

photo by Kriste Lindberg



## SPRING MILL LAKE WATER QUALITY STUDY

by John Roche

Spring Mill Lake, in Spring Mill State Park in Mitchell, Indiana, is fed largely by subsurface drainage through an extensive sinkhole plain or karst system. The lake has been a subject of concern because it is suffering from sedimentation problems (resulting from tillage and construction projects) and from nitrogen enrichment. As a result, geologists became interested in assessing the extent to which the lake, and the associated ground water in the karst system, may be subject to influxes of sediments, chemical



View of Spring Mill Lake

agents, and biological agents. Karst systems are particularly vulnerable to influxes of chemical and biological agents because they can spread these agents quickly throughout a large area, and they have low potential to purify water.

To explore the extent to which sediments, chemicals, and biological materials are affecting the lake, Nancy Hasenmueller of the Indiana Geological Survey, Noel Krothe of the Indiana University Department of Geological Sciences, and colleagues from the Environmental and Geochemistry sections of the Indiana Geological Survey, in cooperation with the Office of the Indiana State Chemist and the Indiana Department of Health, began a two-year study in Spring Mill State Park in July 1998. Their study, which has the support and cooperation of the USDA, the Indiana Department of Natural Resources, and the US Fish and Wildlife Service, will better define the extent of the Spring Mill Lake watershed, the movement of ground and surface water, and the types and sources of materials that affect the lake.

The quality of the water in Spring Mill State Park is important for several reasons. First, high water quality is important to recreational users of the park; with 650,000 visitors per year, tourism at the park represents a significant recreational and economic resource for southern Indiana. Second, high water quality is critical to the health of the northern cavefish (*Amblyopsis spelaea*). The largest populations of the northern cavefish in Indiana are in two interconnected caves within Spring Mill State Park, Donaldson Cave and Upper Twin Cave. Pesticides and nitrogen enrichment have both been implicated in problems in the cavefish in Donaldson Cave in the past.

An understanding of water-flow patterns in the Spring Mill drainage basin will help geologists model and understand the hydrology of other areas of the karst region of southern Indiana, and thus may lead to land use practices that minimize negative impacts on our natural resources.

The Spring Mill Lake study, which is funded by the Environmental Protection Agency and administered by the Indiana Department of Environmental Management, will address the following questions: (1) What are the boundaries of the Spring Mill Lake drainage basin? (2) What are the boundaries of the drainage basins of cave springs within the park? and (3) To what extent may sediments, chemicals, and biological agents be affecting the lake?

To address these questions, project researchers will measure stream flow, sedi-

...continued on page 14



Karst topography near Spring Mill SP

## HNF/IKC KARST INVENTORY PROJECT UPDATE

by Kriste Lindberg

We have been taking advantage of the winter months by doing quite a bit of ridge-walking.

Back in January, we investigated an area near Tucker Lake that contains a number of sandstone shelters and natural bridges. The beauty of our local national forests never ceases to amaze me. It seems that every time we go out, we see an area that surprises us with how much it has to offer.

This particular area even has a cave that we believe may have some archaeological significance. Kelle Reynolds, our HNF karst



IKC member Jamie Winner exiting a virgin cave located during the February HNF workday near Felknor Hollow.

liaison, and I plan to go back out there with the HNF's archaeologist within the next few weeks to investigate further. It should be an interesting trip.

Also, just last month, we were ridgewalking near Felknor Hollow and located three caves that had not been previously reported, all within just three hours of work! Not a bad return. The discoveries were due in part to several inches of rainfall we had the day before. Water was gushing out of springs below the caves at a rather rapid rate. Besides the caves, several waterfalls in the area were active as well. It was an impressive area. There are now 112 known caves on HNF property.

In addition to the inventory work, there are a number of IKC members actively participating in the forest's overall management plan revision which will take about two years to complete. Threats as we see them include increased use by people wanting to

use the forest for their own, often conflicting, purposes such as off-road vehicle use (currently banned) and increased timbering. Our continued emphasis on an environmentally focused plan is vital in helping to conserve the cave and karst features on our federal property. We welcome input from others and will be asking the membership for assistance and formal comments at critical times during the revision process.

A final activity related to the HNF we are working on is the review of the just released environmental assessment (EA) for the revised Special Interest Areas (SIA). SIAs are management areas which receive a high level of protection on the forest with management plans directed towards protecting special features on the forest. The EA proposes 23 SIAs ranging in size from 5 acres to 3,860 acres with a number of them having karst as their primary features. Our primary job is to review the proposed boundaries of the SIAs to make sure they include all the karst features needing protection. We also may submit other areas which we feel need protecting. The comments on the EA are due March 28th.

If you would like to help out with any of these projects, please let me know.



Dick Vernier admiring a sandstone natural bridge located during the January HNF workday near Tucker Lake.

photos by Kriste Lindberg

## INDIANA KARST CONSERVANCY TREASURY REPORT

### Income/Expense Statement From October 1, 1999 to December 31, 1999

**INCOME:**

Dues Apportionment and Residuals	667.50	
Donations - General	300.00	
Transfer from restricted funds	18.47	
Interest	<u>75.50</u>	
		\$1,061.47

**EXPENSES:**

IKC Update (printing, production, mailing)	227.92	
Membership (postage, meeting notices, etc)	79.70	
Conservation/Management/Education	200.99	
Misc (PO box rental, bank fees, etc)	<u>71.40</u>	
		(\$580.01)

NET OPERATING EXCESS (DEFICIT) THIS PERIOD: \$481.46

### Balance Sheet December 31, 1999

**ASSETS:**

Cash in Checking Account	3561.43	
Cash in Savings Account	9185.41	
Sullivan Property	72000.00	
Orangeville Rise Property (see note 1)	<u>7000.00</u>	
		<u><u>\$91,746.84</u></u>

**LIABILITIES & OPERATING EXCESS:**

Hancock Property Maintenance Fund	100.22
Indiana DNR Nongame Fund	120.00
Land Acquisition Restricted Fund	875.00
Deferred Dues Restrcted Fund	1188.75
Hat Fund (excluding 4 hats in inventory)	251.76

Previous Operating Excess (note 2)	88729.65
Net Excess (Deficit) This Period	<u>481.46</u>
Current Operating Excess	<u>89211.11</u>

Total Liabilities & Operating Excess \$91,746.84

**NOTES:**

- 1) The 1974 book value of the Orangeville Rise used by The Nature Conservancy was \$7000 (per Rose Roznowski). The IKC will use this same book value.
- 2) Previous Operating Expense adjusted for book value of Orangeville Rise.

## IKC QUARTERLY MEETING MINUTES

Saturday, December 4th, 1999

Anderson, Indiana

### BOARD MEMBERS PRESENT:

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

### BOARD MEMBERS ABSENT:

Ronnie Burns

The December Quarterly Meeting of the Indiana Karst Conservancy was held on Saturday, December 4, 1999 in the Sagamore Room of the Anderson Public Library in Anderson, Indiana. The meeting was called to order at 12:01 PM, President Kriste Lindberg presiding.

Introductions were made and Steve Lockwood was accepted as proxy for Dick Vernier. Minutes of the September 1999 meeting were accepted as published in the December *IKC Update*.

Treasurer Keith Dunlap reported that as of December 3, 1999, the IKC Treasury holds \$10,004.61 in the general fund, \$2,801.19 in the restricted fund, and \$79,000.00 in real estate assets. This is a total in \$91,805.80 in IKC assets.

Our accounts are now with Fifth-Third Bank since Peoples and Fifth-Third recently merged. We now will be charged some bank fees, if we drop below certain minimums. The charge should be \$4.00 per month.

K Dunlap reported on recent and future activities at the Sullivan property. A small split rail fence has been installed to keep vehicles off the neighbor's property. Lynn Miller has volunteered to take over kiosk construction. Four hundred trees have been ordered from the Department of Natural Resources. It is

hoped that the trailer and other trash on the property can be removed at the next Under-Earth Day. The neighbor will need to give permission for a dumpster to be delivered.

Bob Vandeventer reported that many people are requesting trips to the cave. It's very dry and the water level is extremely low. Visitors have passed on many compliments on the improvements at the property.

Steve Lockwood reported on activities at the Orangeville Rise. All is well. The property is clean and the signs look good. Tom Rea expressed concern that a guardrail has been installed approximately 10 feet into the property. A survey marker needs to be located at one corner. It is believed that the marker has been graveled over and a metal detector and digging tools will be needed to locate it.

K Dunlap reported on the possibility of taking on a new Department of Natural Resources abandoned mine entrances gating project for next summer. Several members have inspected the four proposed sites. The first two mines are close together in Park County and one of those is the DNR's highest priority. A third site in Greene County will require three gates and other grating. A fourth site in Clay County has had research on bats done at it. Bats are using all four sites. K Dunlap proposed two weekends of work on the first three sites and possibly considering the fourth site the following year. In addition to helping the bats, the IKC would be using the project as a fund raiser.

Bill Tozer moved to support the proposal to commit to the three sites. Kathy Welling seconded. After discussion the motion was approved, 14-0-0. K Dunlap will submit a Statement of Work and quote to the DNR.

Tozer reported on land acquisition efforts.

Nick Noe suggested that we should contact realtors and express our interest in properties that contain caves. Lindberg has a friend working in the Monroe County area who is President of the Real Estate Board and will seek further information from her.



There was discussion on education and other outreach efforts, especially with legislators about environmental issues of concern to the IKC. Our relationships with other conservation organizations were recapped.

Bylaws changes: Three bylaws changes have been proposed and the membership has been duly notified.

Bruce Bowman moved for approval of a change to section 4.1.2.1. which will specify limits on consecutive terms of IKC Officers. Seconded by K Dunlap. Of the voting membership, the motion was defeated, 1-10-2.

The second proposal would change section 4.3.4. to allow motions, seconds, discussion, and voting on motions of a time-sensitive nature by email and other electronic means. Moved by K Dunlap. Seconded by Kathy Welling. Motion passed, 15-0-1.

The third proposal involves a change to Article IX and requires that notification of bylaws changes must contain specific wording of the change being proposed. Moved by K Dunlap. Seconded by Tozer. Motion approved, 15-0-1.

The language of the two approved bylaws changes follows these minutes.

Several publications, promos and other printed materials are in progress. Bowman has a Microsoft Word template for business cards that he will make available.

Lindberg was certified at the recent National Cave and Karst Management Symposium to teach "Project Underground." This can be a valuable outreach tool for the IKC. More information is in the December issue of the *IKC Update*. A physical model is available and might be something for the IKC to consider obtaining. Grant funding may be available to help offset the cost.

K Dunlap noted that there might be various levels or types of membership that we should make available to our membership. An example would be to offer a Family Membership or to recognize various levels of donations. This would require a bylaws change.

It was brought out that IKC papers, photos, and other materials need to be stored and filed in a better manner. Currently, there is a safe deposit box for official papers, but other

files are scattered about. Does the IKC need a library? Lindberg appointed Bob Vandeventer, Bambi Dunlap, and James Adams to examine the needs and make a proposal at the next meeting.

Larry Reece proposed that a dedicated endowment fund be set up for maintenance at the Sullivan property. Others felt that a general fund should be established that would not be tied to a certain property but would be used to support all of our properties.

Steve Lockwood noted that several upcoming HNF meetings and events have been scheduled. Of particular note, the HNF is updating their forest plans and some IKC members have been attending these meetings. No changes relating to karst areas seem to be proposed.

Leonard Springs was dedicated on October 18. A neighborhood watch is in the works.

The next meeting will be a meeting of the Board to be held on Saturday, February 12, 2000 at 5:00 PM at the home of the Dunlaps. Election of 2000-2001 Board of Directors will be the main topic of discussion. Food and drinks will be provided. The March meeting will be on Saturday, March 18, 2000 in Greenwood, Indiana at the Greenwood Community Center beginning at 10:00 AM.

Meeting adjourned at 3:08 PM.

Submitted by James Adams, Secretary.

===== bylaw change #1 =====

#### 4.3.4 Non-Meeting Motions from the Board

The President may determine that a time-critical decision of the Executive Board is required prior to the next scheduled Board meeting and therefore accept a motion to be considered and discussed by e-mail, conference call, or other electronic means. Procedurally, the motion will be proposed by a Board member to the President and the President will determine if the motion requires immediate action and is appropriate to be considered given the limited ability to interactively communicate. If the President accepts the motion, it will be communicated to the entire Board, a second on the motion will be accepted, and discussions will proceed. Any Board member may request to the President

that the motion be postponed until the next meeting. The President will be obligated to postpone the motion unless overruled by all the remaining Board members.

If no request to postpone the motion is received, the President will monitor discussion and call for a vote as appropriate. Two-thirds of the Board must approve the motion for it to pass. A motion voted in this manner shall be recorded in the minutes of the next Board meeting.

===== bylaw change #2 =====

#### ARTICLE IX: AMENDMENT OF BYLAWS

Amendments to these Bylaws may be proposed by a member of the Executive Board or

by petition of the lesser of twenty-five individual members of the Conservancy or one-fifth of the total voting membership.

These motion/petition to amend the Bylaws must be presented at a regularly scheduled Board meeting. The specific text of proposed change(s) must then be communicated to the membership in written form prior to final consideration at a meeting as outlined in 4.3.1. A two-thirds favorable vote of individual members attending the specified meeting is required for passage of the change. Under the above procedures, only minor changes to the language from that published may be allowed at the time of adoption.

Note: The complete Bylaws of the IKC are available on the IKC's website.

Continued from page 7...

Gary Roberson), Crane Karst Study (Ray Sheldon), New Indiana Biota (Jerry Lewis), Recent Mapping in Blue Spring Cave (Sam Frushour), IDNR Mine Gates (Keith Dunlap), Versailles Karst Study (Ray Sheldon), Leonard Springs Nature Park (Kriste Lindberg), IKC projects (Kriste Lindberg, Steve Lockwood, Bruce Bowman, and Keith Dunlap), and the ICS webpage (James Adams).

While the schedule is full, additional presentations will be considered. It is hoped that every active caving group in the state will make a presentation. For more information, or to schedule a talk, contact Bruce Trotter at (812) 379-1348 or e-mail [batrotter@iquest.net](mailto:batrotter@iquest.net), or visit the ICS web site at <http://www.caves.org/survey/ics>.

Continued from page 9...

ment volume, and concentrations of pesticides, coliform bacteria, nitrogen isotopes, major chemicals, and trace elements. Because the study is being conducted over two years, researchers will be able to measure water flow and water quality over two complete hydrologic cycles, and they will be able to assess sediment load and water chemistry under conditions of storm runoff as well as under conditions of low water.

When the study is near completion, scientists will conduct a workshop at Spring Mill State Park in which they will provide suggestions concerning land use practices that may minimize negative influences on the

lake. For example, biological and chemical materials could potentially originate from inadequate septic systems, road de-icing materials, chemical spills, pesticides used on road and railroad right-of-ways, and pesticides used on farms. A knowledge of which compounds are reaching the lake from which sources will assist scientists and the public to efficiently deal with specific sources of biological and chemical agents.

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## IKC WINTER DIRECTOR'S MEETING MINUTES

Saturday, February 12th, 2000

Greenwood, Indiana

### BOARD MEMBERS PRESENT:

Kriste Lindberg  
James Adams  
Keith Dunlap  
Bruce Bowman  
Bruce DeVore  
Bambi Dunlap  
Nick Noe  
Tom Rea  
Bob Sergesketter  
Bill Tozer  
Bob Vandeventer  
Kathy Welling

### BOARD MEMBERS ABSENT:

Ronnie Burns  
Tom Sollman  
Richard Vernier

The Winter Board Meeting was called to order at 6:46 PM at the Greenwood home of Keith and Bambi Dunlap, President Kriste Lindberg presiding. Thanks were generously given to Keith and Bambi for hosting and to Bambi for preparing the chili supper.

There were no proxies for any of the three absent Directors.

Treasurer Keith Dunlap reported \$13,076.20 in cash. Of this amount, \$2,462.72 was in restricted funds and \$10,613.48 in the general fund. Dues are due at the end of March and thus, additional funds will be coming in during the next few months. We currently have 172 members. This is the highest membership the IKC has had. Most membership forms are now coming in from the IKC web site. Dunlap speculated that the increase in membership might be due in part to our property ownership.

Elections will be held at the March Annual Business Meeting. There are six Directors positions open for election in addition to the three Officer positions. Those wishing to run for offices included: Lindberg for President; Bruce Bowman for Secretary; Keith Dunlap for Treasurer; and Tom Rea, Jim Adams, Bob Sergesketter, Bill Tozer, Bob Vandeventer, Richard Venier, and Steve Lockwood for Director.

There was a brief discussion of display boards that could be used for an educational display.

K Dunlap reported that the tree planting at the Sullivan property will take place sometime in March, depending on when the trees are delivered. It was noted that we might be able to obtain a grant to offset the cost of the trees and maintenance.

We will probably have a dumpster at Under-Earth Day this year. This will be used to disassemble and haul off the trailer and other debris. The cave will be open. The kiosk will probably not be ready for installation by Under-Earth Day. Vandeventer reported that there are trips almost every weekend. He has been getting lots of favorable comments from folks that have recently visited.

Lockwood reported on the Orangeville Rise. K Dunlap has finished the sign for the property. It was displayed for the Directors. All is well with only a little trash. Tom Rea noted that he has learned that the county has 10 feet from the edge of the road pavement as right-of-way. There is concern that the guardrail installed by the county has been placed too far into the property. Lindberg has talked with a gentleman who did some water sampling at the Orangeville Rise and is willing to share data with us.

Bowman reported that there is no new information concerning the status of the transfer of the Indian Sinks conservation easement from The Nature Conservancy.

K Dunlap reported that things are moving ahead with the IDNR mine gate project. A bid has been submitted. April 29/30 and May 20/21 have been set as tentative dates for the work.

The Indiana Cave Symposium is scheduled for Saturday, April 15 at Cave Country Canoe Rental in Milltown, Indiana. The IKC is helping with the cost for food for the pitch-in before the program. K Dunlap moved to fund 50% of the expenses up to \$50. Kathy Welling seconded. Motion approved, 12-0.



Lockwood reported on Hoosier National Forest activities. Field work continues on the third weekend of each month; however, the March field day has been changed to March 25 because of a conflict with the March IKC meeting.

K Dunlap noted that the HNF Management Plan is being revised. The initial comment period ended on February 11. The Notice of Intent is the next thing in the process to be announced.

Lindberg noted that things at Leonard Springs are okay. The city of Bloomington is putting together an educational program and is seeking input.

Publications: Bruce Bowman reported that the TNC sinkhole flyer might need to be revised before it is reprinted.

We are now almost out of the old IKC membership brochure. Lindberg has revised the brochures and K Dunlap will have them printed.

K Dunlap made some suggestions concerning re-distributing the workflow of processing membership information to improve efficiency. This will be something that the 2000-2001 Secretary and Treasurer will need to discuss.

Bowman has finished up formatting Reprint Number 10, *The Swallow-holes of the Lost River*. The Dunlaps are in the process of assembling the books and these will go out in the March newsletter.

There are several short articles about IKC-related projects that should be appearing in the March *NSS News*. This is the annual conservation issue.

There was some discussion on grant and endowment fund solicitation. Bowman noted that he has not been successful in generating interest for cave and land acquisitions. Lindberg reported that funds might be obtained

from the National Speleological Foundation and/or the NSS Conservation Fund to purchase a ground water model. Welling moved to have Lindberg pursue the funding from the NSS for the model. Seconded by K Dunlap. Motion passed, 12-0.

There was discussion on items that need to be filed in a more secure spot than being kept at various members homes. Vandeventer has cleaned up a file cabinet and can put a lock on the cabinet. The committee (Adams, B Dunlap and Vandeventer) will look into what should go into the files and sort out multiple copies.

The IKC web site has received the quarterly NSS web site award. Congratulations to Webmaster Bruce Bowman. He would like to include more and better photos.

Bill Tozer brought up the need for reports from Cave Patrons. The Patrons should be prepared to give reports at the March Annual Meeting. The reports can then be published in the June *IKC Update*.

Bruce DeVore reported on Dunbar Cave in Tennessee. July 2000 has been set as a proposed closing date for the Dunbar Cave State Natural Area. The City of Clarksville and Montgomery County have expressed interest in the property, however, DeVore noted that they do not have a good record in managing similar resources. The Friends of Dunbar Cave, Inc. have banded together and have initiated correspondence to the Governor.

K Dunlap has a book, *Indiana Academy of Science Proceedings* and needs to find the owner. Is anyone missing their copy?

Earth Day is coming up. There seems to be little interest in participating this year.

Meeting adjourned to peach cobbler ala mode at 8:13 PM.

Submitted by James Adams, Secretary

**DON'T FORGET TO RENEW YOUR DUES**



## ----- INDIVIDUAL MEMBERS -----

FIRST	LAST	ADDRESS	CITY	ST	ZIP	IKC	JOIN
Joshua	Abdulla	14638 Bach Drive, Apt 833	Carmel	IN	46032	281	1995
James	Adams	620 Jackson Rd	Greenwood	IN	46142	140	1991
Kim	Adams	620 Jackson Rd	Greenwood	IN	46142	272	1994
Ron	Adams	4740 N College Av	Indianapolis	IN	46205	353	1999
James	Adler	8760 N Crystal Rd	Dubois	IN	47527	321	1997
John	Ahlberg	19054 Sherman St	Lansing	IL	60438	082	1988
Tom	Ahlers	1715 E 43rd St	Anderson	IN	46013	042	1987
Ken	Alwin	7778 State Rd 262	Rising Sun	IN	47040	350	1999
David	Anderson	1104 Country Club Dr	Crown Point	IN	46307	346	1999
Robert	Armstrong	3101 Washington Blvd	Indianapolis	IN	46205	300	1996
John	Benton	208 W 19th St	Huntingburg	IN	47542	123	1990
Ted	Bice	20260 Maple Rd	Argo	IN	46501	287	1995
Brandon	Billings	PO Box 241	Morgantown	IN	46160	339	1998
David	Black	PO Box 147	Georgetown	IN	47122	073	1987
The Boehler Family		503 West St	Genoa	OH	43430	207	1993
Don	Bohling	13738 Crestview Ct	Crestwood	IL	60445	348	1999
Bruce	Bowman	8364 S State Rd 39	Clayton	IN	46118	112	1990
Jeff	Bray	820 Meerkat Ln	Christiansbu	VA	24073	118	1990
Carl	Brown	8539 N State Rd 37	Bloomington	IN	47404	310	1996
George	Brutchen	306 W South St	Winchester	IN	47394	010	1986
Larry	Bundy	499 Young St	Franklin	IN	46131	113	1990
Danielle	Burden	3410 S Rural St	Indianapolis	IN	46237	228	1993
Ronnie	Burns	1362 West Pump Station Rd	Salem	IN	47167	289	1995
Stephen	Cahill	6480 Springhill Way, #177	Indianapolis	IN	46254	135	1990
Keith	Calkins	610 N Main St	Berrien Spri	MI	49103	099	1987
Paul	Cannaley	4253 Senour Rd	Indianapolis	IN	46239	066	1987
Barb	Capocy	4628 Seeley Ave	Downers Grov	IL	60515	196	1993
Chris	Carpenter	3221 Georgetown Rd	Indianapolis	IN	46224	106	1989
Kenny	Carrigan	6888 MC 5014	Everton	AR	72633	083	1988
George	Cesnik	4331 Clifford Rd	Brownsburg	IN	46112	007	1986
The Church Family		10522 Riverview Dr	Plainwell	MI	49080	198	1993
Terry	Clark	7124 Cairo Dixie Rd	Corydon	KY	42406	284	1995
Jeffrey	Cobb	1332 Liberty Ave, Apt 1	Terre Haute	IN	47807	312	1997
Jeff	Cody	7818 Venetian Way	Indianapolis	IN	46217	014	1986
Stephen	Collins	2401 Double Branch Rd	Columbia	TN	38401	011	1986
Tony	Cunningham	29588 County Rd 18 W	Elkhart	IN	46517	253	1993
Rane	Curl	2805 Gladstone Av	Ann Arbor	MI	48104	043	1987
John	Danovich	5111 Heathwood Dr	Indianapolis	IN	46237	226	1993
Robert	Decker	3401 E Loretta Dr	Indianapolis	IN	46227	186	1993
Mark	Deebel	440 E Chippewa Ave	South Bend	IN	46614	331	1998
The DeVore Family		15001 Mill Rd, Lot 32	Fort Wayne	IN	46816	129	1990
Ralph	Doerzbacher	9090 Kopp Lane	Cleves	OH	45002	247	1993
Ron	Dowell	2231 E French Dr	Pimento	IN	47866	315	1997
Bambi	Dunlap	32 Troon Ct	Greenwood	IN	46143	309	1996
Keith	Dunlap	32 Troon Ct	Greenwood	IN	46143	001	1986
Cheryl	Early	70 E Kelso Rd	Columbus	OH	43202	216	1993
Lorlie	Esterly	8708 Blue River Rd	Pekin	IN	47165	179	1993
Jeffrey	Farr	4320 S 450 E	Middletown	IN	47356	200	1993
Scott	Fee	2501 Gable Blvd	Birmingham	AL	35215	026	1986
Bruce	Gahimer	1304 Hwy 57 S, Lot 43	Washington	IN	47501	330	1998
Joseph	Gasperi	6271 Apache Dr	Indianapolis	IN	46254	273	1994
Allen	Goodcase	8940 Shields Ave	Brookfield	IL	60513	109	1990
David	Green	1555 Happy Valley Rd	Crown Point	IN	46307	341	1998
Michael	Greene	3310 S Collier St	Indianapolis	IN	46221	354	1999
David	Haun	PO Box 47961	Indianapolis	IN	46247	012	1986
Hal	Hempe	3001 N 88th St	Milwaukee	WI	53222	359	2000
Timothy	Heppner	420 W 12th St, 2nd Floor	Davenport	IA	52803	092	1988
Mike	Hood	23 Wells Dr	Dayton	OH	45431	181	1993
Hilary	Hopper	1858 Marlboro Dr	Lexington	KY	40505	313	1997
Richard	Horn	7156 E Payne Rd	Indianapolis	IN	46239	128	1990
Tem	Hornaday	4384 Bonillo Dr	San Diego	CA	92115	065	1987
Henry	Huffman	8358 N Mt Tabor Rd	Ellettsville	IN	47429	071	1987
Donald	Ingle	1924 Spang Ave	Terre Haute	IN	47805	268	1994
Patrick	Jarboe	PO Box 487	Dayton	IN	47941	311	1996

Scott Johnson	Ind DNR, 533 E Miller Dr	Bloomington IN 47401 111 1990
Rauf Khalid	5406 Shelby St	Indianapolis IN 46227 325 1997
Jonathan Knott	1000 E Mississippi Dr	Muscatine IA 52761 144 1991
John Koch	66 E Private Rd 925 N	Brazil IN 47834 238 1993
Glenn Kotnik, MD	4085 Country Pl	Zionsville IN 46077 166 1992
Thomas Kotowski	1631 Newton St	Columbus IN 47201 355 1999
Steve Lanning	105 Vann Ave	Evansville IN 47714 237 1993
David Lasser	1746 Beachview Ct (LOFS)	Crown Point IN 46307 335 1998
Glenn Lemasters	5020 W 300 N	Bargersville IN 46106 003 1986
Dr Julian Lewis	217 W Carter Ave	Clarksville IN 47129 326 1997
Kriste Lindberg	2354 Windingbrook Cir	Bloomington IN 47401 303 1996
Stephen Lockwood	RR 1 Box 107	Mitchell IN 47446 197 1993
Daniel Lucas	11234 Lantern Rd	Fishers IN 46038 145 1991
Bob Masta	2247 Prairie	Ann Arbor MI 48105 221 1993
Richard Maxey	173 W Kanawha Ave	Columbus OH 43214 185 1993
Angie May	2422 Cedar Crest Dr	Columbus IN 47203 055 1987
Carl McDougall	3354 S Olive St	Indianapolis IN 46227 347 1999
Steve McKenzie	PO Box 11101	Ft. Wayne IN 46855 159 1991
Jane Miller	4020 S Rural St	Indianapolis IN 46227 040 1987
Jon Miller	PO Box 65	Celina OH 45822 243 1993
Lynn Miller	4020 S Rural St	Indianapolis IN 46227 015 1986
Douglas Moore	335 Cherry Valley Rd	Vernon Hills IL 60061 305 1996
Lawrence Mullins, Jr	140 Shoal Creek Cir	Montevallo AL 35115 088 1988
Carl Nelson	2617 Kensington Rd	Lawrence KS 66046 290 1995
Richard Newton	9611 S County Rd 425 E	Marengo IN 47140 124 1990
Nicholas Noe	534 E Edwards Ave	Indianapolis IN 46227 064 1987
Scott Nordhoff	5839 Ralston Ave	Indianapolis IN 46220 261 1994
Richard Orr	334 S Marguerite	Ferguson MO 63135 291 1995
Ernest Payne, Jr	6131 Holly Berry Dr	Evansville IN 47715 032 1986
Gene Pelter, Jr	720 Poplar St	Fort Wayne IN 46802 116 1990
Donald Peters	508 Jefferson Ave	LaPorte IN 46350 041 1987
Joe Petersen	RR 1 Box 129E	Paragon IN 46166 271 1994
Rosemary Petersen	RR 1 Box 129E	Paragon IN 46166 270 1994
Theresa Peterson	PO Box 935	Fremont IN 46737 323 1997
Everett Pulliam	560 W Lincoln St	Danville IN 46122 307 1996
Jan Pursley	13175 Fairwood Dr	McCordsville IN 46055 283 1995
Russell Pusilo	1041 Dartmouth	Bartlett IL 60103 362 2000
Steve Ragsdale	5460 Shawkoto Trl	Belmont MI 49306 134 1990
Kevin Rasmus	203 S State St	Bloomington IL 61701 059 1987
Tom Rea	8677 S State Rd 243	Cloverdale IN 46120 008 1986
Kenneth Redeker	443 W Wilson #110	Palatine IL 60067 190 1993
Larry Reece	2929 E Southport Rd	Southport IN 46227 148 1991
Jennifer Reiss	3240 Locust Point Rd SE	Corydon IN 47112 343 1999
Charles Rex	4926 N Marmora	Chicago IL 60630 214 1993
Daniel Rice	Jordan Hall Room 235	Bloomington IN 47406 345 1999
Ronald Richards	8141 Pickford Dr	Indianapolis IN 46227 117 1990
Robert Roundy	5668 Bergan Dr	Dayton OH 45424 202 1993
Jay Savage	1991 W Dunmore	Hoffman Esta IL 60195 204 1993
Eric Schmidt	2424 N County Rd 425 W	Danville IN 46122 107 1989
Diana Schuh	3175-3 Watergate Pl	Indianapolis IN 46224 267 1994
Stephen Schuh	3175-3 Watergate Pl	Indianapolis IN 46224 252 1993
Bill Schulze	479 Kernel Ridge Rd	Rockholds KY 40759 249 1993
Robert Sergesketter	1090 Hopf Ave	Jasper IN 47546 070 1987
Lora Sharke	1109 Chatfield Dr	Indianapolis IN 46220 344 1999
Ray Sheldon	12998 S 600 E	Elizabethhtow IN 47232 149 1991
Don Shofstall	5004 Bassett Ave	Evansville IN 47715 104 1989
Bruce Silvers	3528 Fairfield Ave	Ft Wayne IN 46807 334 1998
Clyde Simerman	1121 Sinclair St	Fort Wayne IN 46808 282 1995
Noel Sloan	8715 Garden Rock Ct	Indianapolis IN 46256 033 1986
Sherry Sloan	1506 Charles St	Lawrencevill IL 62439 357 1999
Gordon Smith	9850 N Skyline Dr	Floyds Knobs IN 47119 126 1990
Thomas Sollman	RR 2 Box 23A	Fort Branch IN 47648 150 1991
Gregory Stamp	5551 Lesourdsville Rd	Hamilton OH 45011 205 1993
Susan Strickland	1701 E 58th St	Indianapolis IN 46220 046 1987
Kevin Strunk	6068 Riverview Dr	Indianapolis IN 46208 027 1986
Steve Taylor	INHS-CBD, 607 E Peabody Dr	Champaign IL 61820 361 2000



David Thompson	536 Gately Ter	Madison	WI 53711	337	1998
Robert Thompson	PO Box 20	Kings Mills	OH 45034	293	1995
Bill Tozer	9698 S 150 W	Pendleton	IN 46064	017	1986
Bruce Trotter	5580 E Baseline Rd	Columbus	IN 47203	060	1987
Charles Tubbs	19500 County Rd 14	Bristol	IN 46507	137	1991
Nancy Tubbs	19500 County Rd 14	Bristol	IN 46507	138	1991
Wayne Tucker	PO Box 38	Morgantown	IN 46160	356	1999
Regina Turner	2043 Random Rd, Apt 309	Cleveland	OH 44106	302	1996
Jereme Vanden Heuvel	2700 Pineridge Dr, Apt F	Walker	MI 49544	352	1999
Charles Vandeventer	525 Lawndale Dr	Greenwood	IN 46142	217	1993
John Vargo, Jr	3041 Kane St	Klamath Fall	OR 97603	054	1987
Richard Vernier	RR 2 Box 350	Princeton	IN 47670	047	1987
Eric Weaver	4559 Buxton Rd	Cincinnati	OH 45242	340	1998
Mark Webb	PO Box 194	Franklin	IN 46131	009	1986
Stan Weinzapfel	4221 Wabash Ave	Terre Haute	IN 47803	319	1997
Stephen Weinzapfel	1787 W Division Rd	Jasper	IN 47546	318	1997
Norbert Welch	PO Box 6872	Lafayette	IN 47903	244	1993
Kathy Welling	8679 S State Rd 243	Cloverdale	IN 46120	002	1986
Jeffrey Weston	27W668 Galusha Ave	Warrenville	IL 60555	336	1998
Rich Whisler	1670-A Monticello Ct	Wheaton	IL 60187	329	1998
John Wilkerson	20970 Delaware St	Southfield	MI 48034	170	1992
Tom Willett	304 N Morton	Bloomington	IN 47404	332	1998
Kent Wilson	3006 Sharon Ave	Indianapolis	IN 46222	062	1987
Jamie Winner	593 Tarkington Hall	West Lafayette	IN 47906	351	1999
Dean Wiseman	7829 Sailors Ln	Indianapolis	IN 46254	248	1993
Jack Wood	848 W Lakeside Pl, #22	Chicago	IL 60640	338	1998
Kevin Wools	5828 W 300 S	New Palestin	IN 46163	222	1993
Scott Worpell	3655 Tiffany St	Indianapolis	IN 46226	349	1999
The Wright Family	7400 Brophy Rd	Howell	MI 48843	194	1993
Kevin Wyatt	346 Woodside Dr	North Vernon	IN 47265	360	2000
Robert Zatarski	3215 West 38th Ave	Hobart	IN 46342	358	1999

----- ORGANIZATION MEMBERS -----

Bluespring Caverns, Inc	RR 11 Box 1245	Bedford	IN 47421	292	1995
Marengo Cave	PO Box 217	Marengo	IN 47140	171	1992
City Hall Planning	PO Box 100	Bloomington	IN 47402	294	1996
Wyandotte Cave SRA	RR1 Box 85	Leavenworth	IN 47137	314	1997
Central Indiana Grotto	PO Box 153	Indianapolis	IN 46206	136	1991
Dayton Underground Grotto	23 Wells Ave	Dayton	OH 45431	262	1994
Evansville Metro Grotto	1090 Hopf Ave	Jasper	IN 47546	152	1991
Harrison-Crawford Grotto	6917 Dalby Rd	Georgetown	IN 47122	141	1991
Mid-Hoosier Grotto	PO Box 632	Franklin	IN 46131	075	1988
Northern Indiana Grotto	PO Box 10297	Ft Wayne	IN 46851	146	1991
St Joseph Valley Grotto	PO Box 1302	Mishawaka	IN 46546	322	1997
Sub-Urban Chicago Grotto	3 S 511 Fourth St	Warrenville	IL 60555	342	1999
Windy City Grotto	848 Lakeside Pl	Chicago	IL 60640	052	1987

----- COMPLIMENTARY -----

American Cave Cons Ass'n	Dave Foster	PO Box 409	Horse Cave	KY 42749
American Cave Cons Ass'n	William Elliott	PO Box 180	Jefferson	MO 65512
Bat Cons International		PO Box 162603	Austin	TX 78716
BIG Liaison	Anmar Mirza	1600 E 3rd Street	Bloomington	IN 47401
Bloomington Ind Grotto		PO Box 5283	Bloomington	IN 47407
Cave Conservationist	Evelyn Bradshaw	10826 Leavells Rd	Fredericks	VA 22407
Cincinnati Nature Center	Jackie Bellwood	4949 Tealtown Rd	Milford	OH 45150
Dogwood City Grotto		3232 Cobb Pkwy #264	Atlanta	GA 30339
Eastern Indiana Grotto	Brian Leavell	1627 S M St	Elwood	IN 46036
Greater Cincinnati Grotto	Nancy Swartz	5562 Liberty Wood Dr	Hamilton	OH 45011
Harrison-Crawford SF	Pete Thorn	7240 Old Forest Rd	Corydon	IN 47112
Hoosier Enviro Council	Tim Maloney	520 East 12th Street	Indianapolis	IN 46202
Hoosier National Forest	Kelle Reynolds	811 Constitution Ave	Bedford	IN 47421
IDNR-Div of Forestry	Ben Hubbard	402 W Washington St	Indianapolis	IN 46204
Indiana Cave Survey	Bruce Trotter	5580 E Baseline Rd	Columbus	IN 47203
Karst Waters Institute		PO Box 490	Charlestown	WV 25414
Louisville Grotto		PO Box 408	Upton	KY 42784
Mich Interlakes Grotto		Box 218	Union Lake	MI 48387



Mich Karst Conservancy		2805 Gladstone Ave	Ann Arbor	MI 48104
Mid-Atlantic Karst Cons		PO Box 196	Murryville	PA 15668
Mitchell Plain Research	Thomas Brent	RR 18 Box 681	Bedford	IN 47421
NSS Administrative VP	Doug Medville	11762 Indian River	Reston	VA 20191
NSS Conservancies Comm	John Wilson	9504 Lakewater Ct	Richmond	VA 23229
NSS Conservation Chair	David Jagnow	PO Box 93398	Albuquerque	NM 87199
NSS Conservation Grants	Al Krause	1721 SW 76th Trce	Gainesville	FL 32607
NSS Executive VP	Ray Keeler	22354 N 68th Dr	Glendale	AZ 85310
NSS Library		2813 Cave Ave	Huntsville	AL 35810
NSS News Review	Jay Kennedy	3638 Fifth St Apt 21	Rapid City	SD 57701
NSS Operations VP	Mike Hood	23 Wells Dr	Dayton	OH 45431
NSS Speleo Digest	Scott Fee	2501 Gable Blvd	Birmingham	AL 35215
NSS Treasurer	Paul Stevens	5964 Seabright Rd	Springfield	VA 22152
NSS/TNC Liason	Tina Hall	15803 Oaklane Dr	Lansing	MI 48906
OVR Chair	John Cole	1196 Mill Creek Dr	Lexington	KY 40517
Southeastern Cave Cons	Diane Cousineau	737 Glass Rd	La Fayette	GA 30728
Spring Mill State Park	Mark Young	PO Box 376	Mitchell	IN 47446
The Nature Conservancy	Allen Pursell	PO Box 5	Corydon	IN 47112
US Fish & Wildlife Serv	Ron Ressnider	Fed Building	Twin Cities	MN 55111
US Fish & Wildlife Serv	Scott Pruitt	620 S Walker St	Bloomington	IN 47403
Virginia Dept Of Conser	Terri Brown	Route 4, Box 99-J	Staunton	VA 24401
Western Indiana Grotto		Box 1471	Terre Haute	IN 47803
Windy City Grotto	Ralph Earlandson	802 S Highland	Oak Park	IL 60304
Wittenburg Univ Speleo	H H Hobbs	PO Box 720	Springfield	OH 45501

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## IKC MAILBAG

Dear IKC,

I want to congratulate your group for acquiring, saving and preserving Sullivan Cave. Although I now live in Philadelphia, PA and practice law, I recall fondly my high school days (1959-1963) spelunking in southern Indiana (and nine other states). I made a dozen trips or so to Sullivan Cave, camping underground for the entire weekend with the likes of Robert "Bugs" Armstrong, Art Davis, Mike Wishmeyer and Tom Rea, just to mention a few names that I recognize from your donor list. I was an apprentice on many photography expeditions into Sullivan Cave. Among our group was the manager of the photography studio in the LS Ayres Department Store. Later I got my picture in National Geographic in the Cumberland Caverns group shot included in the June, 1964 issue. My younger brother, Jeffrey, who lives in Lafayette, IN now, acquired more notoriety. First, by getting himself stuck in Sullivan Cave with no lights for a Saturday night. He led two of his classmates on a trip towards the Quarry Room. The State Police could not even find the backbreaker passage, so Bugs (I think)

had to go down and locate the party. Made the AP News.

My best memory of Sullivan Cave was the simple experience of going out the spring entrance at the end of a long trip, and walking back over the hill, through the field filled with wild squash and corn as a harvest moon glowed above, then changing our clothes and driving to Bloomington for a tray full of frosty root beers at the local drive in. Every autumn this memory comes rushing back as I feel the cool October nights with a hint of frost in the air. It is wonderful that the IKC has preserved this cave. I have not seen all of the Beyond the Beyond. I hope that you can fill your web pages with photographs of this grand cave. And a map. With your careful management, you can restrict access to the right kind of people who have respect for the grandeur they visit. This cave does not lend itself to the casual tourist. It does provide an educational arena for children who want an outdoor adventure, and who are willing to learn something about geology and zoology and hydrology and ecology. It is a wonderful photography studio for fill-flash photography. Regards,

Michael Poxon

# ANNUAL BUSINESS MEETING

## SATURDAY, MARCH 18th, 10:00 AM

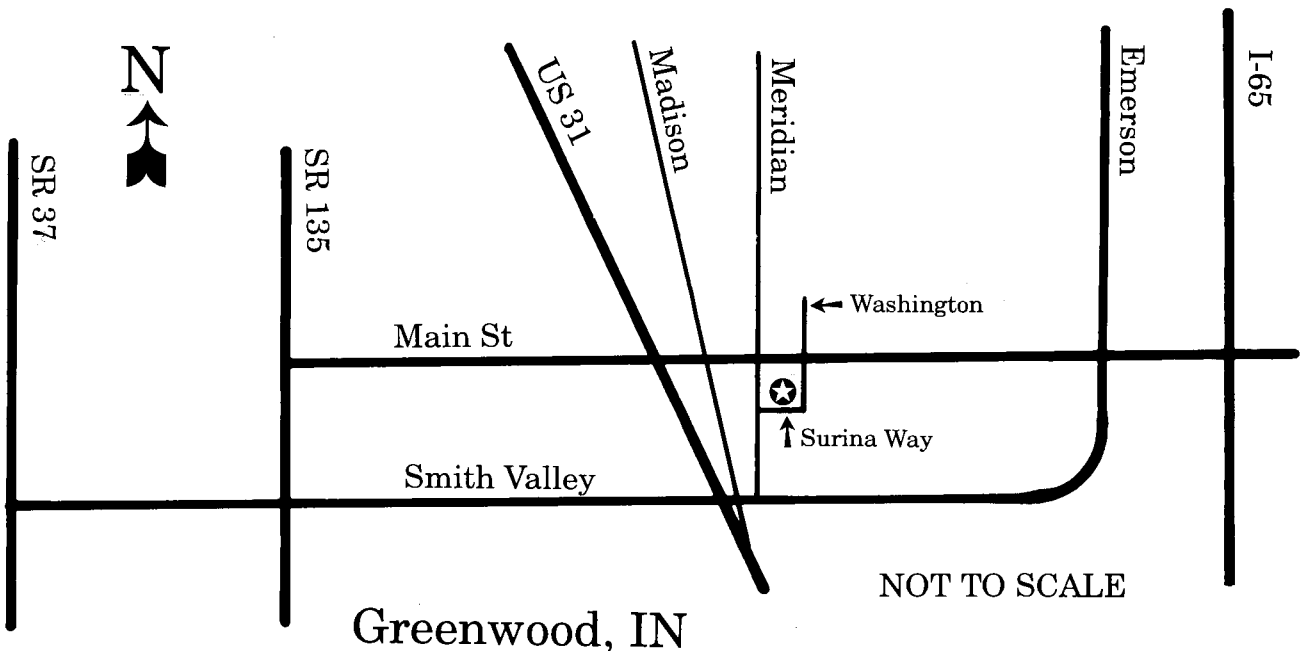
### GREENWOOD, INDIANA

#### GREENWOOD COMMUNITY CENTER

Directions from SR 37: Take Smith Valley east across SR 135, US 31, Madison Ave, to Meridian. Turn north on Meridian pass the schools. Turn east on Surina Way (Craig Park entrance) to the Community Center.

Directions from I-65: Take Main Street west approximately 1.5 miles. Immediately after crossing the railroad tracks and before the fire station, turn south on Washington. Cross the little bridge and continue to Surina Way. Turn west past the police government center to the Community Center.

Enter the Community Center via the main entrance and turn right. Our meeting room is on the right just past the game room.



**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.

