Volume 28, Number 5

September/October 1996

Conservation Commission Backs Down on Lead Exploration Decision

by Ken Midkiff

In a stunning victory for environmentalists and conservationists, the Missouri Conservation Commission, at its meeting August 16, passed a motion rescinding all previous actions on the lead mining issue. The motion reversed the commission's decision to authorize the director of the Department of Conservation to issue exploratory drilling permits and a mineral lease on state conservation areas in the vicinity of Round Springs on the Current River.

This reversal came as a result of a short and intense public and political pressure campaign by the Ozark Chapter, involving alerts to all members, solicitation of support by state senators and representatives, a media campaign, letters and phone calls to other environmental and conservation groups, and radio commercials around the state. This effort resulted in a deluge of phone calls, letters, and faxes to the Governor, members of the Commission and the Department of Conservation.

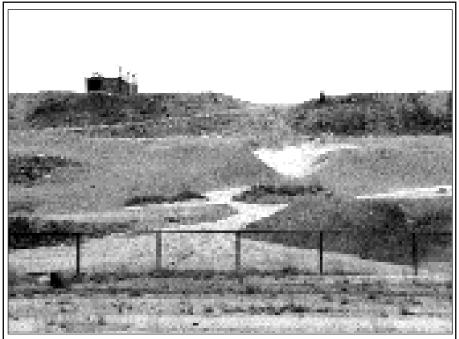
The issue immediately galvanized public opinion. The Current River area is a favorite spot for thousands of Missourians who annually float, fish and relax in the Ozark Scenic Riverways. The thought of industrial mining activities in this area was reprehensible to all outdoor-loving citizens.

Adding to the furor was that these lands had been acquired through the efforts of the Nature

Conservancy and were part of the largest block of state lands in Missouri. At the time of acquisition two years ago, the lands were described by the Department of Conservation as the most ecologically diverse in the state. That the Conservation Commission was now proposing to allow a mining company to operate on these lands and in such close proximity to the Current River and the Round Springs areas was incomprehensible.

Nor did the Commission members or Director Jerry Presley

ever offer any reason for the move. There was some talk from Presley of "economic development," but this didn't pass muster because mining is a "boom and bust" "proposition. Then Commissioner Anita Gorman said there was no intention of mining the area, but it would be a good idea to allow exploratory drilling "just to know what is down there." If there is no intent



Tailings, dam and pilings at St. Joe State Park.
Photo courtesy of Tom Kruzen, Ozark Riverkeepers Network

to mine, then what does it matter what is down there?

So only speculation remains as to the real motive for the action. It is apparent that Doe Run Mining Company used its relationship with at least one Commission member to bring the matter to action. Because all public knowledge and input were thwarted by the item not being

Continued on page 7 LEAD MINING

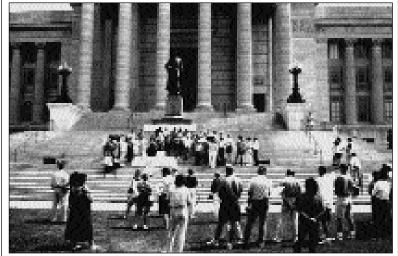
Parks and Soils Campaign a Success

by Jack Harris

In a special 5th of July "icing on the cake" celebration, more than 50 Missouri citizens gathered on the lawn and south steps of the State Capitol. Representatives from farm and environmental groups and various individuals were present to witness the submission of well over 270,000 signatures collected in support of the Parks and Soils Initiative Petition campaign.

Local media were present to record the event. The boxed petition forms, first stacked up on the Capitol steps, were loaded into a

trailered motor boat which was, in turn, pulled by a large tractor (symbolic of the parks and soils collaborative effort) for delivery to the Secretary of State's office. The huge number of signatures clearly is evidence of the enthusiastic public support for these programs.



Press Conference at the State Capitol South Steps Photo by Jack Harris

Signatures by Congressional District

 Just recently, the Secretary of State's office issued a certification statement that the Parks and Soils issue will be on the November ballot.

Sierra Club members noted at the event were Ken Midkiff, Ozark Chapter program director; Troy Gordon, Chapter Conservation Committee member; and Jack Harris and Pat Harris of the Eastern Missouri Group. Art Towers, Mark Reed and Dan Berg, all of St. Louisans for Clean Water and State Parks, also attended.

Citizens Committee for Soils, Water Conservation and State Parks Co-chairman Don Fisher led off the public statements on behalf of the statewide organization. Ken Midkiff made a supporting statement representing the Ozark Chapter, and Jack Harris made a brief statement on behalf of StLCW&SP. Several other organizations and individuals also made statements.

The Sierra Club was an active supporter of this statewide effort, and all members are congratulated for their essential contribution.

Continued on page 3 PARKS AND SOILS

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The editors reserve the right to edit articles. Material may be edited for length, content or clarity. If you have strong creative ownership of your writing and wish to reserve the right to review your edited article before publication, consider your deadline 10 days prior to the published deadline. With notice, we will be happy to work with you. Reproduction-quality photographs (prints) or artwork are greatly appreciated.
The published deadline is the drop-dead deadline.

Submissions received after the deadline might not appear in the issue.

The Ozark Sierran is produced on a Macintosh computer, so we prefer to receive material electronically (e-mail), or on a Macintosh or PC disk (3.5"), saved in MicroSoft Word or "text" (ASCII) WITH A HARD COPY OF THE TEXT. Typed articles are also accepted (especially a few days before the deadline.) All submissions must include name, address, and phone number of the author. If you want your submission returned (including your disk), please include a SASE.

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Want to edit the *Ozark* Sierran?

Exercise your mind and body, wonder accross the pages of the Ozark Sierran before anyone else.

Qualifications include good writing skills, an open mind, good knowledge of environmental issues, current affairs on local and national level. Objectivity is

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The above positions are available to be filled immediately. If you are interested in either or both jobs then contact Claus Wawrzinek at (816) 561-7863.

Interested in working on the Chapter **Executive Committee?**

Please contact John Feldman at (314) 862-3916 to place names and nominations for the **Executive Committee. Elections** will be held in December. Please recommend names for the election. People running for ExCom need to submit a brief statement and photo to the Ozark Sierran.

Are You a **Nature** Photographer?

Send your photographs for publication in the Ozark Sierran! We need art photos or good quality snapshots of nature, Sierra Club outings, meetings or pertinent environmental topics.

Black and white photos in midtone range (without extreme contrasts) are preferrable. Color photos are possibly acceptable.

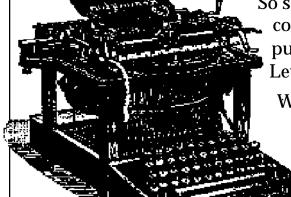
For submission instructions see sidebar to the left.

YOUR SPACE.

We want the Ozark Sierran to be "interactive." So send us your thoughts, ideas, complaints and compliments. We'll publish as many as we can in our Letters Department.

Write to:

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Corporate Agriculture: Low Quality, High Prices

by Ken Midkiff



The changes in agricultural practices in the past 30 years have been nothing short of revolutionary. The transition from communitybased diversified family farms to corporate-controlled

industrial monocultural methodologies has been accomplished quickly and with cold efficiency.

The results have also been astounding: fewer and fewer agricultural workers are responsible for delivering agricultural products. The number of farmers has correspondingly declined to the point where they compose only 2% of the population of this country.

Some components of agriculture are almost entirely dominated by a few large companies: 90% of poultry and egg production are controlled by three agri-business corporations. Independent beef farmers have recently filed suit against major meat packers claiming that those packers have conspired to run independent cattlemen out of business. The corporate influence in hog production has been the subject of much

controversy in Missouri and throughout the country as three or four corporations vie for control of production.

The social, economic, and environmental repercussions of the industrialization and "corporatization" of agriculture are well-documented. Rural communities have been decimated and their moral fiber destroyed. Farmers, who once prided themselves for their independence and rugged individualism, have been reduced to serfs or run off the land entirely.

Good land stewardship was a requirement of traditional agricultural methods - farmers had to adapt to nature's cycles and whims, and if they failed to do so, they also failed as farmers. Now, modern industrial practices attempt to make nature adapt - and the catastrophic and cumulative degradation of land, air and water are the results.

All of this striving to emulate modern industrial techniques has not resulted in any improvement in either the quantity or quality of food produced. Nor has it resulted in any price increases or decreases. Industrial techniques are specifically designed to do two things: to reduce the dependence upon people as the means of production, and to produce a uniform consistency of goods. The welfare state and McDonald's are two of the major accomplishments of the industrial revolution.

The remarkable thing about all of this change for the worse is that farm leaders and traditional farm organizations have participated enthusiastically in their own demise. The leadership of farm organizations from the Cattlemen's Association to the Pork Producers to the Farm Bureau to the cooperatives such as MFA, have eagerly embraced the most destructive philosophies imaginable - it is as if they have deliberately set out to eliminate the livelihoods of their members.

How these organizations can defend the corporations which are threatening to eliminate the independent farmer is beyond comprehension. It should be clear to all but the most obtuse that the growing control of agriculture by big business can in no way benefit farmers or rural communities. Yet, journals and newsletters published by alleged farming organizations and cooperatives continually spew out vitriol and rail against any efforts to control or restrict the activities of corporations in agriculture.

It should be clear to everyone by now that concentration of wealth and power are not in the best interests of anyone in any societal or economic endeavor. Diversity, independence, and lives of quality and freedom depend upon a sense of community, a connection with the land, and an emphasis on human values. Those values are antithetical to corporate industrial practices.

This article was first published in the Columbia Daily Tribune.

Ozark Chapter Conservation Committee Report

by Caroline Pufalt

The Ozark Chapter Conservation Committee met in August in Kansas City. Our agenda covered a wide variety of topics, from otters to presidential politics.

A hot topic was proposed exploratory drilling for lead on state conservation land near the Current River. Our active opposition was already well underway, but we did vote to request clarification from the State Auditor's office regarding the Missouri Department of Conservation's use of funds for this purpose.

We also discussed MDC's recent creation of a trapping season for river otters. Based on information available, we raised questions about the conservation rationale behind this policy, and we will seek to have an MDC spokesperson available a later meeting.

We enjoyed the company of a representative from U.S. Rep. Karen McCarthy's office. She spoke to our committee about Rep. McCarthy's experiences in Washington, D.C., and the challenges of keeping up with mail and inquiries

from citizens. She encouraged us to keep contacting Rep. McCarthy on any issue of concern. McCarthy is a representative from the Kansas City area. We have endorsed her, and she has maintained a good environmental voting record.

We also discussed the development of 1997 conservation priorities for the Club as a whole. This discussion is also encouraged at the group level. Among those present at the August meeting, public lands and wilderness protection received the most votes. Clean air, clean water and population issues were next in priority.

Two Sierrans, Ron McLinden and Ginger Harris, were candidates for the Governor's Total Transportation Commission in Missouri. We were disappointed they were not selected but, more important, we were disappointed no one on the commission appears to come from a strong environmental perspective. We will remain interested in the commission's work and be as involved as we can from the outside.

We also enjoyed a visit from a fellow Sierran from Oklahoma. Mike Arnnett updated us on the Southern Plains Regional Conservation

Committee. This is a level of Club organization not all Sierrans are familiar with, but the regional conservation committees have been in operation for many years and have provided an important vehicle for inter-chapter cooperation, organization and training.

The Ozark Chapter has been an associate member of the SPRCC because we are on the border of their region, which includes Arkansas, Texas and Oklahoma. We send a delegate to their meetings, currently Jim Rhodes from the Eastern Missouri Group.

Mike encouraged us to make the best use we can of the SPRCC structure and to consider the many issues we have in common with that region. He mentioned hog farms, the burning of toxic wastes at cement kilns and regional forest planning. We discussed ways we might work together on these issues.

Our next Conservation Committee meeting is September 29 in St Louis. All Sierrans are invited to attend. Please contact your group representative for details.



Jack Harris congratulates Parks and Soils supporters gathered to celebrate completion of the petition drive. Photo by Troy Gordon.

PARKS AND SOIL .. continued from page 1

Very special appreciation and thanks are due the following individuals for organizing and coordinating signature collection campaign in their various locales across the state:

- Eastern Missouri Group— Kathy Bildner
- Thomas Hart Benton Group—Steve Callahan
- Trail of Tears Group —Gloria Kiehne
- Osage Group—Joe Engeln
- White River Section—Bob Rodgers

The campaign leaders wish to express their sincere appreciation to each and every individual who devoted time and energy to the success of the program.

Now, mark your calendar for November 5. The payoff is in the voting booth. Missouri voters can show the way to a greener and cleaner 21st century. Be there! And don't forget to take a friend along.

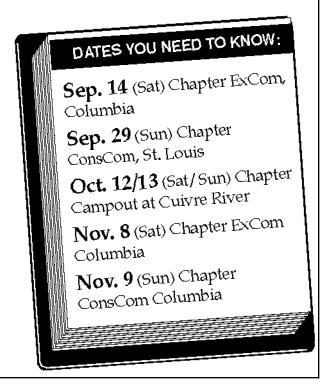
Questions and inquiries may be directed to: Jack Harris: 314-894-9021

Ken Midkiff, (314) 815-9250 **Program Director**

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Sierra Club Supports New Measures Against Ozone

by Craig Volland

After a spirited debate, the Kansas City Air Quality Forum has recommended and the Mid-America Regional Council board has accepted a comprehensive set of control measures to improve the air quality of the Greater Kansas City area. Like other large cities, Kansas City will install a centralized inspection and maintenance program for gasoline powered vehicles, assuming approvals are obtained from both state legislatures. The details of this program have yet to be worked out.

The Sierra Club has called for the "Enhanced Inspection and Maintenance" system because it is the most cost-effective, achieves substantial gas savings and substantially reduces particulate emissions. It is the only common I&M procedure that will reduce emissions enough to make a difference in solving the city's ozone problem.

Others on the panel pushed for a weaker procedure, including only an anti-tampering and pressure check, in the belief that the state legislatures will not approve enhanced I&M. If this turns out to be the case, the Sierra Club will have to re-evaluate its support of vehicle inspection because the weaker procedure does not reduce

emissions enough to justify the cost and inconvenience to motorists.

During the debate, both the Sierra Club and the Kansas City Greens pointed out that lowincome people tend to drive the most-polluting automobiles, in part because the area's poor public transportation system gives them little choice, particularly in getting to new jobs being created in the suburbs. We won commitments from MARC to identify improvements to expand the transit system serving the five-county metro area in connection with the next update of the Long Range Transportation Plan. MARC is nearly finished with a comprehensive study of public transportation. This transit study will doubtless ignite a new debate on this issue.

The smog plan also includes provisions for no-fare transit during the high-ozone season (June 1-September 15). Although this will be a big boost for low-income people who regularly ride the bus or who can conveniently get to work via the existing route system, it doesn't solve the problem of getting people to new jobs in the suburbs, hence the initiative to expand the system region-wide. Overall, though, we have succeeded in raising consciousness among city leaders regarding the value of public transit to improved

air quality.

Another important element is the "clean fuel fleets" initiative. Public and private fleet operators would be required to switch a portion of their fleets to less-polluting fuels, such as propane or natural gas.

At the beginning of the debate, the Greater Kansas City Chamber of Commerce announced they had already done their part in reducing emissions and it was up to motorists to do theirs. They did not provide adequate documentation for this assertion. The Sierra Club held out for a commitment from MARC to re-examine the potential for reductions of stationary emissions from industry, both large and small. MARC has acknowledged that methodical reductions in such emissions would remain part of a comprehensive community strategy.

Much work remains to be done in fleshing out the details and obtaining funding to implement this comprehensive air quality improvement program. However, the Sierra Club got most of what we wanted. We'll keep you posted.

Short Trips

by Ron McLinden and Ginger Harris

Governor Omits Environmentalists

Governor Carnahan left out environmentalists but included lots of highway and business interests when he released a list of appointees to his special Total Transportation Commission (TTC) in mid-July. (See article by Ron McLinden in the July/August Ozark Sierran.) The governor created the TTC to review Missouri's "total" transportation needs (i.e., all modes, including rail, barge, airport and public transit, in addition to highways) and to make recommendations for meeting these needs. We expressed our disappointment to the Governor in a letter dated August 8. "Transportation decisions, quite frankly," we said, "are too important to be left to transportation interests alone."

Transportation decisions ... are too important to be left to transportation interests alone

Although the Sierra Club has not received a seat at the table, we have met with several people who were appointed, including TTC Chairman S. Lee Kling, a St. Louis merchant banker and member of the Missouri Highway and Transportation Commission. Kling was receptive to our concerns, including the notion that the TTC should focus on what we termed the "total efficiency" of society (as opposed to merely transportation efficiency). We suggested an emphasis on total efficiency might not only be good for the environment but might also give Missouri an advantage in a competitive global economy.

Kling encouraged us to attend the TTC meetings in Jefferson City, and we expect to do so. He also told us there would be five meetings around

the state to get public input. Stay tuned for times and places.

MARC Initiates Perimeter Study

The Mid-America Regional Council has initiated a study of transportation needs in the suburban fringe around Kansas City. Officially known as the Perimeter Transportation Needs Assessment Study, the project has involved gathering input from the public, developers and other transportation interests on transportation problems and needs in the 'burbs. Sierrans and other environmentalists participated in community workshops in July and a special-interest roundtable in August.

The Perimeter Study grew out of what was originally intended to be an outer beltway impact analysis. The focus shifted late last year after the 21st Century Parkway, a key element of the proposed outer belt highway, was scuttled by the Johnson County (Kansas) Commission following a spirited public involvement process that saw hundreds of exurbanites turning out to oppose the project. Sierra Club activists were active opponents of the "porkway."

The Perimeter Study is significant in that it might be the first time a MARC study has attempted to confront sprawl head-on. A previous study, the Urban Core Growth Strategies Report, released in 1992, looked at the flip side of sprawl, the decline of the old center city and what could be done about it.

The Perimeter Study team is headed by Freilich, Leitner and Carlisle, a Kansas City firm with a national reputation in growth management issues. It may be overly optimistic to expect Kansas City to embrace growth management practices as a result of this study, but then we all used to have privies in the back yard. The final report, due early next year, should be the focal point for continued public dialog on sprawl and sustainability issues.

Club Moves Closer to Legal Action Against Page Avenue Extension

The national Sierra Club has agreed to participate in the 60-day notice letter which St. Louis attorney Lew Green is preparing to send to potential defendants in a lawsuit to stop the Page Avenue Extension. The case challenges the legality of constructing a highway bridge through Creve Coeur Lake Park when alternative routes and modes for handling traffic from St. Charles County are available.

Meanwhile, the Missouri Department of Transportation has quietly increased the cost estimage for Phase I of Page Avenue by \$47

million to \$285 million.

Voters Defeat Proposition M

St. Charles County voters narrowly defeated a proposal to fund public transit August 6. Proposition M would have levied a half-cent sales tax in St. Charles County to fund the count'y share of an extension of the region's popular MetroLink light rail line to Mid Rivers Mall in St. Charles. Prop M might also have funded an expanded bus network.

Voters defeated the proposal by a mere 859 votes, 14,196 to 13,337.

St. Charles County officials attributed the loss partly to low voter turnout (less than a quarter of registered voters bothered to vote) and partly to fear that transit might bring crime. However, they felt the primary cause of defeat was that "people are just tired of taxes, especially a sales

It would be interesting to know how St. Charles residents would vote if they were asked to fund the 20% "local share" of the Page Avenue Extension. Unlike local transportation projects in some other jurisdictions, the Page Avenue Extension's local share is being picked up by the state, so all Missourians are being taxed to temporarily shorten by 15 or 20 minutes the commute from St. Charles to St. Louis County.

Short Trips

All other things being equal, and when we have a choice, we should choose the short trip. If my short trip doesn't intersect your short trip, then we don't experience each other's trips as congestion. And if our short trips do intersect, chances are good we might be neighbors, and we might both be on foot. Our intersection might result in a greeting which becomes conversation and leads to the building of community. Hooray for short trips.

Campaign Finance Reform

Ed Garvey will be the featured speaker at a series of public meetings on campaign finance reform in mid-October. Campaign finance reform is considered by many as key to getting responsible government, including good environmental policy. Garvey, a labor attorney and native Missourian, will speak on October 11 in St. Louis (7 to 9:30 p.m. at the American Cancer Society on Lindell, 531-7356); October 12 in Kansas City (contact Doris Gerner, 816-741-5528); and October 13 in Columbia (contact Marcia Clark in St. Louis, 314-822-3447).

Not Just Politics as Usual, Tales from a Political Junkie

by Chris Hayday

Well boys and girls, the political season is really starting to heat up now that we're past the primary elections. There are several races in which the Sierra Club will be taking part, so pay attention to the race in your part of the woods. Whether it be Springfield, Cape Girardeau, St. Louis, or even Otterville, chances are there's a race that will affect you. So get involved...do your part to save the world.

The Ozark Chapter was actively involved in many races across the state and we came through the primary elections in pretty good shape. Tom Marshall (D-26) was narrowly defeated, 52% -48%. Tom consistently stood up for our issues and concerns. The Chamber of Commerce may disagree, but Tom will be missed.

In St. Louis, Pat Daugherty serves on the Energy and Environment Committee and has long been an environmental hero. Columbia was a hotbed for primary races and the Osage Group was able to help three candidates get elected to new positions; two in the House and one in the Senate. Chick Graham (D-24) and Vicky Riback Wilson (D-25) won their races for the Missouri House. Ken Jacobs (D-19) won his race for the Missouri Senate. Jacob scored a 95% in our voting chart and promises to be out strongest ally in the Missouri Senate. This was an extremely important in all of these races, but particularly in the 25th Missouri House. We were cited as one of the momentum swingers midway through the race when our endorsement was announced and the Sierra Club was credited as one of the reasons our candidate won. Sticking to her theme, Wilson credited her victory to her message "controlled growth." We were also involved in Chuck Graham's victory. Graham is a young and energetic activist and has the kind of enthusiasm for the environment we usually only dream about in a candidate. He is sure to be an outspoken advocate. We'll now move on to the general races where our candidates will again be depending on the Sierra Club for support. Many of our candidates face though general elections and it is critical that we get involved and help elect our friends.

The Ozark Chapter will be active this election season, so contact your group political chair to get involved. Don't know who to call? Worry no more...here's who to contact:

Eastern Missouri Group -John Feldman - (314) 862-3916 Thomas Hart Benton Group -Gale Burrus - (816) 763-5120 Keet Kopecky - (816) 966-9544 Osage Group - Chris Hayday - (573)-875-4507 Trail of Tears - Brian Alworth - (573) 334-7978 White River Group -

Bob Rodgers - (417) 753-5051 How involved is up to you, but it's important that people know that the environment is an issue and the Sierra Club is a force with which to be reckoned. There are many ways to get involved in a political race. There are mailing parties, door to door canvassing, yard signs need to be placed and of course, getting elected takes

This will be an extremely important election year and it is critical that the Sierra Club get involved and make the environment an issue in as many races as possible. We were able to beat back the anti-environmental bills, and even pass a couple of good ones, but the eco-thugs will be working overtime to elect their friends, so we will need to work even harder to elect and re-elect our friends. There are many races at which the Sierra Club is looking. Some candidates we will be endorsing and working to reward our friends with re-election, while in other races we will be trying to knock off an eco-thug. It is critical that we make the environment an issue and that both the voters and the candidates consider the environment, especially at election time.

At the time this was written, no new endorsements had been made. As more endorsements come in we'll be sure to make you aware and let you know how to get involved. Things happen quickly during the political season, so keep on your toes.

If you have questions about any specific races, candidates or if you just want someone to talk to, give me a call (573) 875-4507 and I'll let you know how to get involved.

Chapter Campout

by Jim Rhodes

It's hard to believe that fall is just around the corner, with cooler temperatures, the need for warmer clothing and the leaves turning glorious shades of red and yellow. In short, perfect weather for hiking and outdoor activities with your friends.

This year, the Ozark Chapter reunion and campout is back at Cuivre River State Park in Lincoln County near Troy, just about an hour's drive northwest of St. Louis off Highway 61. We will again be in Camp Sherwood Forest with its rustic cabins and beautiful trails. And again there will be plenty of good food prepared by friendly and expert cooks under the direction of Terry Sebben. Activities will include short and

long hikes suitable for all skill and

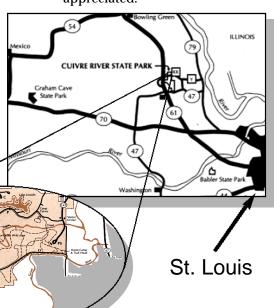
age levels, a mushroom foray led by Ken Gilberg of the Missouri Mycological Society, bicycle expeditions, canoeing on Lake Lincoln, indoor workshops and videos (depending on weather and interest) and, on Saturday evening, contra dancing to a live band. On Sunday morning, a non-denominational spiritual gathering will be held to honor the earth and reflect on its beauty. On both days, there will be special activities for the young ones, so bring the whole

family!



This is your opportunity to get together with fellow Sierrans from around Missouri, enjoy the fall weather in a beautiful State Park and just relax and enjoy the weekend. So send in the attached registration form with your check, and you will receive an information packet with a schedule of events, recommendations on what to bring and your

cabin assignment. Space is available for those who desire to tent camp. We will try to accommodate any special requests, but advance notice will be appreciated.



Come One and All!

send in your registration form today! Registration Form—Oct. 12/13 Campout

name (please list names of all pe	rsons you are register	 ing)
address		
city/state/zip		
evening phone		
child: 0-3 yrs	free	
child:3-6 yrs.	x \$8	\$
child: 6-12 yrs.	x \$15	\$
adult: (13 yrs. & over)	x \$30	\$
adult: partial weekend*	x \$20	\$
limited income	x \$15	\$
Saturday dinner only	x \$10	\$
, , , , , , , , , , , , , , , , , , ,	otal fee enclose	ed S

maximum fee for a family \$80

Fees include cabin or tent camping, and 5 meals (Sat. breakfast through Sun. lunch)

- "partial weekend" defined as less than 3 meals.
- Make checks payable to "Ozark Chapter, Sierra Club"
- Mail form and checks to: Sierra Club, 325 N. Kirkwood Rd., Kirkwood, MO 63112
- Any questions, phone Jim Rhodes: (314) 821-7758
- Camping fees will be refunded for cancellations received prior to Oct. 9th
- We will mail you an information packet containing program, camper information, and a map in advance of the Camp-Out date.

This Worm needs a name: Dages for you.

People grow and change. They do so in lots of different ways. They can grow taller, bigger, stronger, funnier, happier, smarter, nicer,

and so on. How do you grow and change?

Yes, you are much bigger now than you were when you were born—look at your baby pictures and your little baby footprint. You are bigger partly because you have grown new cells—bone cells, blood cells, skin cells, muscle cells, nerve cells, and cells for all the other parts of your body.

When you were born, you had about ten trillion cells. That's more than the stars you can see in the

sky, more than enough marbles to completely fill your room, more than all the chocolate chips in a cookie factory . . .

I can't count that far, can you?

Your body continues growing and changing all the time, adding new cells, discarding old cells. Many years from now when you are "grown-up" and about the age of your parents, you will have about 60 trillion cells.

That's great growing!

Egg. The Monarch

Actual size is about

as big as the head

of a straight pin.

starts as an egg which is placed on the underside of a milkweed leaf by the mother butterfly. **Pupa.** The stage after a caterpillar sheds its skin for the last time. It turns into a soft green liquid inside a hard casing called a chrysalis **and then** miraculously turns into a butterfly.

> Butterfly. The last stage in metamorphosis of a group of advanced insects in the order of Lepidoptera

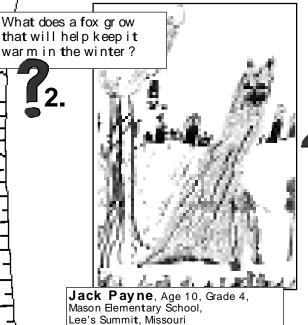
Caterpillar. Wormlike larva. The Monarch caterpillar is an eating machine that feeds on the milkweed plant during its 2 weeks of growth. Because its skin does not grow with its body, the Monarch caterpillar sheds its skin 4 - 5 times.

Metamorphosis *n*. A big difference or change in appearance.

Cycle *n.* 1. The amount of time it takes for an event or sequence of events to be repeated. 2. Completing all stages of a process from beginning through the end.

FALL is part of the cycle of seasons.

Nature started the first RECYCLING PROGRAM.



Recycle tr.v.

a. To use again—to reprocess in order to use again: recycle aluminum cans.

b. To use another time for a different purpose: recycling pots and pans into toys.

Can you remember what a recycling symbol looks like? See if you can draw itthen look at the one on page 7.

How does nature recycle fallen leaves?

- a. Takes them to the recycling center to be recycled with the brown glass.
- b. Sends them to neighboring planets.
- c. Gives them as birthday presents to all third
- e. Decomposes them so that they can become part of the ear th.

- 1. Think up a name for our worm mascot.
- 2. Try for a name that says something about the worm's part in recycling.
- 3. Limit 4 entries per person. (They can all be sent in together.)
- 4. Contest ends Nov. 15, 1996.

Remember to include your name and address when you mail your contest entry(ries) to:

> Linda Gates Ozark Sierran P.O. Box 32727 Kansas City, MO 64171

The judges will be an esteemed panel of environmentalists and/or worm specialists. Their decision will be final. The prize money will be sent in the form of a certi-

Monarch Butterfly's

Nor th Atlantic Ocean Circle the Pacific spot on this map where the state Gulf of of Missouri is located. Answer is _eaend

The Monarch Butterfly

Often called the King of the Butter flies, the Monar ch neither bites nor stings and they do not tr ansmit ger ms. They ar e not afr aid of peopl e and can be seen in North Americain open fields, prairies and mar shes as they sear ch for food. They prefer to eat the nectar from purple and yellow flowers—but first they test the sweetness of the flower through taste or gans in the soles of their feet. They eat their food through a sucking tube called a proboscis. Cover ed with tiny scales, their transparent wings carry them up to 80 miles a

NEURON—one

of several types

Neurons transmit

messages that

help you move

your body and

Cell *n***.** The smallest

part in an organism

that is capable of

independent

functioning.

use your senses.

of brain cells.

Monar chs have 4 distinct stages of development in their life cycle. After mating with the father Monar ch, the mother Monar ch lays her eggs on the under side of the milkweed plant. The egg is the first stage of development and it hatches into a lar va or cater pillar, which then becomes a pupa. In about two weeks, the cater pillar completely transforms from a short legged, wingless and weak eyed creature into the four th and final stage of development—a beautiful, winged, long legged, keen eyed butter fly.

Monar chs fly on fragile wing, soaring and sailing about. They fly to warmer climates for the winter and cooler climates for the summer. They migrate in lar ge groups that sometimes number in the millions. They migrate as much as 2000 miles but they cannot fly if the temper atur e drops

Drawing of Sunset with Rainbow Sky by **Shawn** Luchtel, Age 10, Grade 4, Mason Elementary School,

In which season

the year do rainbows

appear most ofter in Missouri skies? Circle the

of the correct season. Answer on

the state of Missour d. Sells them to computer chip manufacturers.

Forest Service Modifies Timber Salvage Program

by Caroline Pufalt

Secretary of Agriculture Dan Glickman has announced new guidelines for implementation of the infamous timber salvage program known as "logging without laws." This law, passed in 1995 by the Republican-controlled Congress, permits widespread logging under the guise of salvage timber sales without the protections of environmental laws.

Salvage sales usually involve forest areas are seriously damaged by fire, disease or wind. But the 1995 law greatly expands the definitions involved in salvage sales and permits outright disregard of environmental laws such as the Endangered Species Act and Clean Water Act.

Since its passage, the logging without laws provision has resulted in the logging of thousands of acres across the country. Intense controversy has surrounded the cutting of some oldgrowth forests in the Pacific Northwest that had previously been protected.

In 1995, President Clinton initially vetoed this bill but later signed it as a "rider" included in a larger appropriations package. Although his administration has criticized the law and admits its passage was a mistake, environmentalists have been disappointed that Clinton has not

acted sooner and more forcefully to blunt its impacts. The President could, for example, intervene and stop specific controversial sales. Thus, when Secretary Glickman announced revised guidelines for the logging without laws provision in July 1996, most concerned citizens were thankful but wondered why so little so late.

Glickman's directive included the following changes to the logging without laws (LWL) provision:

- No salvage sales in inventoried roadless areas may be carried out under the LWL provision unless these areas are "imminently susceptible to fire." Sales involving minimal new road construction would be priority. This is aimed at limiting sales in roadless areas unless a true fire risk exists. The broad and loose language in the LWL provision had permitted entry into roadless areas under flimsy pretenses.
- Each unit of a sale should have trees identifiably diseased, insect infested, dead, damaged, or imminently susceptible to attack. Again, the language of the LWL bill was so flexible that "associated" green trees could be cut along with damaged trees with no justification.
- Green sales retagged as salvage sales and withdrawn cannot later be processed under the LWL provisions.

· Associated trees are defined as trees that must be removed only as necessary to provide access, ensure safety or improve forest stand condition in the sale area.

Although these directives from Glickman are generally a welcome clarification, they will not ameliorate the overall destructive impact of LWL. Glickman's directives apply only to new sales and are not a permanent change. They may have minimal impact on sales that are not in roadless areas, and they fail to address some of the worst excesses of the LWL provision. No change has been made concerning the disregard for environmental laws. Salvage sales could still, for example, knowingly harm the habitat of endangered species in what otherwise would be a violation of the Endangered Species Act.

Also, nothing has been done to address existing LWL regulations that do not allow for legal challenges to the law or to timber sales under the law. Despite this provision, some lawsuits have been filed against LWL sales.

In Missouri, the Ozark Chapter filed suit against such a sale in the Mark Twain National Forest. Although we won an initial stay against the logging, we lost the case. The existing LWL provision provides extreme latitude to the Forest Service and does not provide for judicial review.

LEAD MINING continued from page 1



Tailings, dam and pilings at St. Joe State Park. Photo courtesy of Tom Kruzen, Ozark Riverkeepers Network

placed on the agenda in advance of the meeting, members of the commission voted on it in a vacuum. It was clear they did not understand the severe degradation of land, air and water resulting from mining activities and were unaware of the many studies and reports of the MDC's own scientists documenting the devastation of water quality and aquatic habitat by current lead mining operations.

In the end, the Commission was forced to bow to public pressure. They finally realized that they and the Doe Run executives were the only ones in the state of Missouri who wanted to allow lead exploration in the Current River area.

The Ozark Chapter Responds

An alert was mailed out to all Ozark Chapter members on July 25, and a few days later the Chapter produced and began airing radio commercials constantly on stations in Jefferson City and central Missouri urging citizens to "let the Governor know you don't like what his appointees [on the Commission] are doing. Almost immediately, the Governor's office and Commission members began receiving letters and phone calls, and more and more letters and phone calls poured in over the next three weeks. Although the exact number of letters and calls is unknown, it is clear that Sierra Club members responded to the alerts in overwhelming numbers.

The radio spots were then aired in the West Plains-Mountain View-Central Ozarks area, and then in St. Joseph and northwest Missouri. In the meantime, editorials, letters to the editor, and op-ed pieces appeared in newspapers across the

state, from the Salem News to the Joplin Globe to the St. Louis Riverfront Times. Literally every major newspaper in the state ran editorials condemning the commission's action. More and more letters and phone calls poured into the governor's office and the commissioners. The pressure mounted.

Legal Action Taken

The original motion by the Commission was taken at the June 19 meeting. At the July 19 meeting, Ozark Chapter Program Director Ken Midkiff and Missouri Coalition for the **Environment Director Roger Pryor** addressed the Commission, asking them to reverse their previous decision. Instead, the Commission compounded its previous error by meeting in a secret session and passing some-

what confusing amendments to the original motion. Midkiff and Pryor went directly from the Commission meeting to the Cole County Courthouse and filed a lawsuit against the Commission for three violations of the Missouri Open Meetings and Records Act (the "Sunshine Law").

Attorney General Jay Nixon's office also followed this issue closely and was preparing to join the Sierra Club and the Coalition for the Environment in the suit just prior to the August meeting. This proved to be the final straw. Succumbing to the combination of public and political pressure, and pending and threatened legal action, the Governor's office let the Commission members know the issue was becoming a large political liability.

Quietly and without fanfare, at the August 19 meeting of the Conservation Commission, in a cramped conference room in the Chamber of Commerce offices in the Bootheel town of Kennett, Commissioner Gorman introduced a motion to rescind all previous actions on the lead mining issue. Without debate or discussion, Commission Chairman John Powell asked for those in favor to signify by saying "aye." By a vote of 4-0 the Commission wiped the slate clean.

Take a Bow

Every member of the Ozark Chapter who took the time to write or call the Governor, Commission members and the Department of Conservation can take a bow and pat themselves on the back. Although the lawsuit and media stories called dramatic attention to this issue, it

was the landslide of public opinion, expressed through hundreds and hundreds of letters and phone calls, that caused the Commission to eat their words.

Once again, Ozark Chapter Sierra Club members have shown their passion, their commitment and their devotion to protecting the land, the air, the water, and the valued natural areas of the state. Public participation in decisions effecting the public is more than a slogan—we have made it a reality.

Thanks to all who participated. You definitely made a difference.

One Down, One to Go

At the same time that the Doe Run Mining Company approached the Conservation Commission, the company also filed applications to do mineral prospecting on Mark Twain National Forest lands along and just north of the Eleven Point River southwest of Winona.

The Ozark Chapter has the same concerns about this area as the Current River area. The lands identified are near to McCormack Lake, Greer Springs and many tributaries of the Eleven Point. The U.S. Forest Service is soliciting public comment on the applications.

Please write promptly to: **Jody Eberly** Doniphan-Eleven Point Ranger District Rt. 1, Box 1908 Winona, MO 65588

ANSWERS for Questions from KIDS PAGE on page 6



3. d. Decomposes them



2. Foxes grow a heavier coat of fur for winter time.

5. d. Summer



EMG outings

Sep 13-15 (Fri-Sun) Prairie State Park. Explore the prairie flowers and grasses and see grazing bison. Bring binoculars. Group campsite. 6 hour drive. Kathy Wodell, (314) 240-0675.

Sep 14 (Sat) Highway Cleanup. Follow the trail of magnetic tape to the cracked cassette 200 yards ahead. Diane DuBois, (314) 721-0594.

Sep 15 (Sun) Kinkaid Lake Backpack **Trail.** We will use a car shuttle to day hike about 9 miles of this 15 mile one way trail in Shawnee National Forest. Easy Walking. Wayne Miller, (314) 569-0094.

Sep 15 (Sun) Crane lake hike. 5 mile loop trail. Will visit shut ins area and have lunch on a glade. Stephen Finch, (314) 644-2553.

Sep 21-22 (Sat-Sun) Fifth annual solstice canoe trip on the Meramec River **Onondaga Cave to Meremec State** Park. Paul Stupperich, (314) 429-4352.

Sep 22 (Sun) Day hike at Hawn State Park. We will hike the north loop and also travel cross country to some of the little known areas of this beautiful park. Moderate, 6-8 miles. Elmer McNaulty, (314) 965-3181 or Bob Gestel, (314) 296-8975.

Sep 22 (Sun) Day hike at Creve Coeur Lake Memorial Park. View the old growth forest threatened with destruction by the Page Avenue Extension. Mark Kaufman, (314) 427-0058.

Sep 26 (Thu) Pre-trip planning meeting for beginners backpacking trip. (See backpack trip Oct. 5-6). Bring what equipment you have. We will discuss the use of each item and where to borrow of rent equipment. Trip limit 10 people. Cheryl Hogan, (314) 355-4711. or Bob Gestel, (314) 296-8975.

Sep 28 (Sat) 8 mile day hike at Weldon Spring Conservation Area. Steve Viggers, (314) 984-8752.

Sep 28 (Sat) Easy night hike ending at the wetland boardwalk to enjoy the full moon. Helen McCallie, (314) 822-3849 at home and (314) 451-3512 at work.

Sep 28-29 (Sat-Sun) Overnight backpack trip to the Saum Sauk area. Starting at Taum Sauk Mountain State Park, we will hike 6-8 miles to a back country camp. Bill Neubert, (314) 256-

3273, or Bob Gestel, (314) 296-8975.

Sep 28-29 (Sat-Sun) Shawnee National Forest Weekend, Friday, Sep. 27 is optional. Canoe the Cache River cypress swamp, hike the Manchester trail, sleep

in a tree house on bunks and foam matresses or bring your own tent and camp deep in the Illinois Ozarks. Call by Sep. 12 to receive a reservation form. Must be prepaid by Sep. 20. Suzanne Smith, (618) 281-4762 (after 5 p.m. weekends only) or Terry Allen, (618)

398-1087.

Sep. 29 (Sun) Day hike to explore scenic Lower Rock Creek. Rugged, rocky trail. Experienced hikers only. Paul Stupperich (navigator) and Diane Favier, (314) 894-5549.

Oct 5 (Sat) 10 mile day hike at Hawn State Park. Steve Viggers, (314) 984-

Oct 5-6 (Sat-Sun) Glade restoration outing at Washington State Park. We will gather native grass and wildflower seeds from within the park, then sow the seeds where we have cleared the cedars. Join us for one day of both. Free camping. Penny Holtzmann, (314) 487-2738.

Oct. 5-6 (Sat-Sun) Beginners backpack **trip.** An overnight trip. No need to buy equipment. We have loaners and local stores rent equipment. A short easy hike to a beautiful back country camp. There will be instruction on use of map and compass, safety, etc. A planning meeting and equipment check will be held Thursday, Sep. 26. Limit 10 people. Cheryl Hogan, (314) 355-4711, or Bob Gestel, (314) 296-8975.

Oct 11-13 (Fri-Sun) Chapter Reunion at Cuivre River State Park. Weekend outing with other Sierrans from around the state includes cabin camping, meals, hikes and other activities for children and adults. See article in this issue on Ozark Sierran. Call the EMG office, (314) 909-0890, or Jim Rhodes, (314) 821-7758.

Oct 19 (Sat) 10 mile day hike at Washington State Park. Steve Viggers, (314) 984-8752.

Oct 19 (Sat) Highway Cleanup. Sort trash from the colorful leaves. Diane DuBois, (314) 721-0594.

Oct 19-20 (Sat-Sun) Friends of Lucy Backpack II. Toddle along with Lucy and friends on an easy backpack. Good for families and people who like children. Destination to be determined. Lucy or Judy Eilken or George Behrens, (314) 644-6623.

Oct 19-20 (Sat-Sun) Overnight backpack on the Berryman Trail. We will hike part of this 24 mile trail through the Ozark countryside and camp at one of the many springs or watersheds. Moderate, 8-10 miles. Rich Krebs, (314) 939-4436.

Oct 20 (Sun) We'll hike to Bell **Mountain and to Johnson** Shut-ins State Park. 8 miles with spectacular views. Paul Stupperich, (314) 429-4352.

Oct. 26 (Sat) Day hike at

Creve Cour Lake Memorial Park. View the old growth forest threatened with destructtion by the Page Avenue Extension. Mark Kaufmann, (314) 427-0058.

Oct 26-27 (Sat-Sun) Help restore a natural community of native grasses and wildflowers at Meremec State Park. Join us for one day or both. Free camping. Penny Holtzmann, (314) 487-2738.

Oct 26-27 (Sat-Sun) Overnight backpack trip suitable for beginners. An easy 3-4 mile walk in, make camp then just lay around, read, write, sketch, or whatever. There will be short hikes for the more ambitious. Tom Ballard, (314) 487-8892, or Bob Gestel, (314) 296-8975.

Oct 27 (Sun) Weldon Spring end-toend. On this different walk on a popular area, you'll follow 9 miles of the path of Femme Ozage, Lewis, Clark, Katy, and Daniel Boone. We'll organize a car shuttle. Wayne Miller, (314) 569-0094.

Oct 27 (Sun) Hawn State Park. We'll explore the basis of Hawn taking the North loop and Pickle Creek trails while enjoying the colors of fall. Beginners welcome. Stephen Finch, (314) 644-2553.

THB outings

Sep 15 (Sun) at 2 p.m. THB/Kanza Groups potluck picnic at Hodge Park. Bring a dish, table service and blankets. A silent auction will be held during the picnic. This is our chance to get together with our neighbors across the state line to share ideas and enjoy the outdoors. Call Claus Wawrzinek at (816) 561-7863.

Sep 21 (Sat) Public Transit Hike along the route of Kansas City's proposed light rail system. Meet at 9 a.m. at the

Be sure to check your newsletter group for more or current outings!

Nichols Fountain, 47th and Main. Call Ron McLinden at (816) 931-0498 for information.

8

Sep 28/29 (Sat-Sun) Cedar Creek hike. Enjoy a close-tohome backpack in the Cedar Creek area of Mark Twain National Forest. Only a two hour drive from Kansas City, and an easy trip that is ideal for beginners. Call Scott Hoober at (913) 722-3882.

Oct 6 (Sun) Day trip to visit Z Bar Ranch in the Kansas Flint Hills. which is part of the National Park
Trust. Call Doris Sherrick at (816)
779-6708.