



the LOESS Bulletin

Monthly Publication of the Lincoln Orbit Earth Science Society
Springfield, Illinois

Established in 1954

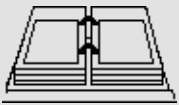
www.loess.org

July 2003, Volume XVII, Number 7

The program this month:

“Nautiloid Cephalopods”

Presented by **John Catalani**, LOESS Member



CALENDAR OF EVENTS

JULY

- 19-20 “Agate Days,” Moose Lake High School Gym, Moose Lake, Minnesota. Contact: Al Hyopponen, (218) 525-7766.
- 21 **LOESS Monthly Meeting**
7:00 p.m., Illinois State Museum, Springfield
- 26 **LOESS Field Trip**
Geode Cracking Party, Ann Ringdahl’s home
- 26-27 “Banded Agates of the World” Show, Frederic High School, Frederic, Wisconsin. Contact: (715) 472-8809; e-mail: evndan@lakeland.wi.

AUGUST

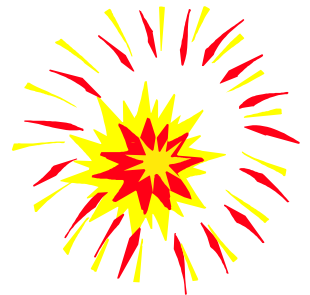
- 8-10 Copper Country Rock & Mineral Club Show, Portage Lake Elementary School, Houghton, Michigan. Contact: (906) 337-1709; Web site: www.ccrmc.info.
- 15-17 **“Great Lakes, Great Rocks!”; Minnesota Mineral Club, Midwest Federation of Mineralogical Societies Convention & Show**, Cottage Grove National Guard Armory, Cottage Grove, Minnesota. Contact Alan Olson, (612) 729-8331.
- 15-17 Greater St. Louis Association of Earth Science Clubs Show and Sale, Queeny Park, St. Louis, Missouri. Contact: e-mail: rrcode@nothnbut.net.
- 15-17 **LOESS Field Trip**
MWF Show, Cottage Grove, MN
- 18 **LOESS Monthly Meeting**
7:00 p.m., Illinois State Museum, Springfield
- 23-24 Peoria Academy of Science Show, Ito Society Banquet Hall, Peoria, Illinois. Contact Jerry Schmidt, (309) 467-2826, or Jim Travis, (309) 685-5443.
- 29-31 Michiana Gem & Mineral Society Show and Sale, Century Center, South Bend, Indiana. Contact: (574) 654-3673; e-mail: Marheinek@aol.com.



Field Trip News

July 26 -- Geode Cracking Party!

We’re going to have a party!! For the July field trip a journey to Lake Springfield is in order for a Geode Cracking Party and pot luck supper. We haven’t had a cracking party in several years and thought it was about time to “re-ignite” the tradition.



Date: July 26, 2003

Time: 3:00 p.m.

Place: Ann Ringdahl’s home, 54 W. Fairview Lane.
Direction & a map to Ann’s will be available at the July meeting.

What Do We Need to Bring?

Any geode you’ve collected and want cracked. We’ll be using LOESS’s geode cracker. Following the cracking, we’ll all join in an evening of food and fellowship. **Please bring a dish to pass.** The club will provide plates, napkins, silverware, and ice tea or lemonade. Ann will be making her wonderful smoked turkey and smoked salmon.

Come have some “cool” fun! A breeze from the lake and some really cool geode treasures should add up to a great day! Join us for the fun!

Where Can We Sign Up or Get Information?

More information and a sign-up sheet will be available at the monthly meeting. If you are unable to be at the meeting to sign-up and receive a map, or have any questions, you can contact either **Ann Ringdahl at 529-4014** or **Jennifer Kuehner at (217) 793-6086 to sign up and get directions.**



THIS MONTH

This month, our meeting will be held on **Monday, July 21, at 7:00 p.m.**, at the Illinois State Museum, Springfield. The program will be a presentation entitled "Nautiloid Cephlapods" by LOESS member **John Catalani**. John will focus on the morphology, origin, and evolution of the nautiloids. Some differences between nautilopids and amonoids will be discussed as well as the evolutionary bottlenecks of the two groups. A handout will be provided with key diagrams and a list of references.

For Show and Tell: Please bring any cephalopods you have in your collection, as well as items found on last month's field trip.

LAST MONTH

Program Report:

Our speaker for the evening was Dr. Edward Mehnert, Sr. Geohydrologist with the Illinois State Geological Survey, who gave a very interesting talk on the Mahomet Aquifer, its history, its course, its uses and its geology. He also presented the pros and cons of Springfield tapping into this water source as opposed to the Hunter Lake proposal.

Meeting Minutes:

President **Dennis Bomke** called the meeting to order with the Pledge of Allegiance. The minutes from last month were approved as they were printed in the news letter.

Vice President **Judy Washburn** reported that we have 236 adult members and 86 juniors as of June 16.

Treasurer **John Beall** gave the monthly balance as being \$8,139.47. We had a CD come due and this money was reinvested.

Program co-chairman **John Washburn** reported that for our July meeting, John Catalani will give a talk on Cephlapods.

GESCI- **Donna Moore** reported that the GESCI Picnic went well but there weren't many people in attendance. In addition to the business meeting, there was a mini field trip and a visit to Irma Derosher's museum. The Decatur Club is considering joining GESCI and was given a copy of the by-laws to look over and consider. The mineral display case at W.I.U in Macomb is being redone and nice pieces of jasper are needed. Please contact **John or Judy Washburn** if you have a specimen you would be willing to loan out at 498-7713.

Newsletter Editor **Jennifer Kuehner** is looking for member articles.

Field Trips- The June field trip will be June 28 to Jacobs Geode Farm near Hamilton, IL. for geodes and fossils. In July, Ann Ringdahl is hosting a geode cracking party at her home on Lake Springfield. A potluck dinner will be served.

Show Committee- **John Washburn** reported that all dealers are signed up. The theme for this years show will be "Quartz Stones and Dinosaur Bones." Large specimens are needed for the club cases. The committee is also looking for a large amethyst cathedral. They are trying to set up a show and board committee meeting for July.

Old Business- The club is looking for "Rockhound of the Year" nominations. Please write up a short explanation of your nomination and

send to **Dennis Bomke**.

Judy Washburn reported that Joan Klusendorf, who has given several programs to our club has had surgery and is doing well. Glenn Hanning has returned home after a stay at a nursing home. He enjoys visits and is doing well.

Meeting was adjourned.

Respectfully submitted,
Rita Bass, acting secretary



***Rita Bass**

Shells, coral, fossil coral from Charlotte Co., FL; tertiary limestone and pictures from the Bahamas

***Mike Lacquement**

3 1/4" Paleo point found south of Pittsfield

***John Beall**

Pyrite and marcasite from Starved Rock Clay Products

***Neil VanBebber**

Lepidodendron and petrified wood from Starved Rock Clay Products

***Gene Gyure**

Geode from Elsah; Tampa Bay coral from Florida; geodes from Canton, MO; brachiopod from Schyler Co.; ironstone concretion from Vermont, IL

***Dennis Bomke**

Calcite from Eminence, MO; petrified wood, pyrite, and a slickenside piece from Starved Rock Clay Products

***Nik Smith**

Apophyllite from India; Herkimer Diamond from New York; calcite from Mexico; calcite w/iron oxide

AFFILIATION UPDATES:

Geodeland Earth Science Clubs, Inc.

Midwest Federation of Geological and Mineralogical Societies

American Federation of Mineralogical Societies



The next GESCI Board Meeting will be held in November where planning will begin for the 2004 Show in Macomb. The Fox Room case at Western in Macomb has a new look. The jasper exhibit has been installed. Thanks to LOESS members who contributed -- the **Washburns**, the **Nations**, **John Beall**, and **Jim Reynolds**.



The **Midwest Federation Convention and Show** will be held in **Cottage Grove, Minnesota from August 15 - 17, 2003**. The pre-registration period has passed. Bulletin Editor's Awards will be given out at the Banquet. Several LOESS members will be receiving awards. Congratulations!



From Dave Fordyce-- Regrettably, another attempt at hindering fossil collecting in the U.S. has been introduced in the United States Senate. The full text of the bill can be found at www.fs.fed.us/geology/s546.rtf. Introduced by Senator Akaka (D-HI) and co-sponsored by Senator Baucus, S-546, among other things, would create felonies for certain offenses, and declare any vertebrate fossils found in the U.S. to be the property of the "United States". It would help to contact your legislator expressing your opposition to S-546. ---from the *AFMS Newsletter*, June, 2003



President's Message

I will start with a repeat request from last month. We are still in need of a delegate to represent LOESS at the Midwest Federation Convention and Show this coming August in Cottage Grove, Minnesota. The MWF Council Meeting will be on Saturday, August 16. There are field trips and other events that will take place in association with the convention and show. If you are planning on attending, or are looking for a nice trip north in August, think about serving as our delegate. The meeting will include reports from all of the various MWF committees and will give you a very good idea of what the MWF actually does. If you are interested, please contact me.

For those of you who are new to LOESS (and those of you who have been around a while and don't remember) I want to provide a brief description of the Midwest Federation of Mineralogical and Geological Societies (MWF). The MWF is one of seven regional entities of the American Federation of Mineralogical Societies. In 2003, the MWF contains 133 clubs, 6791 adult members and 611 juniors in the states of Arkansas, Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin. The MWF supports member clubs in several ways, including; a large library of video and slide programs (which we make use of and have had members contribute programs to), a scholarship program and a variety of other resources. LOESS is well

represented among the MWF officers with John Washburn serving as 2nd Vice President and Donna Moore serving as Secretary.

See you on Monday.

Dennis



Geo Info

A Geology Moment...

by **Judy Washburn**

Slickensides

Slickensides are small, parallel grooves or striations formed on the surface of fault or joint surfaces as a result of the movement of rocks against each other. Small, platy minerals are developed on them, from which the relative sense of movement of the rocks can be determined. The surface of the slickenside is smooth in the direction of movement, but rough in the opposite direction.

Thanks to Dennis Bomke for bringing in a specimen of a slickenside to Show & Tell at the last meeting -- prompting our geology moment.



OOPS! Me Bad!

I neglected to mention last month that the article entitled **"Adventures in Geode Country: Episode IV"** by **Melissa Perucca** was borrowed from *The Show Me Geode*, 6/03.

Thanks! --Jennifer



ROCKHOUND NEWS

by Judith Washburn

We want to hear what you are up to! Please send information to be included in Rockhound News to Judith at washburn@museum.state.il.us or call Judy at (217) 498-7713.

NEW MEMBERS

LOESS extends a hearty welcome to **Barbara Hamilton** of Greenfield. Barbara heard about LOESS from member **Ernie Davenport**. We also welcome **John & Debi White** of Springfield. Debi works with member **Marlene Schultz**. We hope to get to know these new members better at upcoming meetings and field trips.

WELCOME BACK

Some of our members have been off "tripping" around here and there. Back from Florida and a sailing trip to the Bahamas are **Rita & Hugh Bass**. We got to see some of the things collected on that trip at Show & Tell last month. **Ann Ringdahl & Kristen Ives** are back from Sweden. For Ann—a trip back home; for Kristen—a trip to where her roots are. **John & Judy Washburn** also returned from a trip to Sweden. For the Washburns, part of the trip was to visit Judy's relatives, and part of the trip was a collecting trip. Maybe we will "read more about it" in an upcoming bulletin.



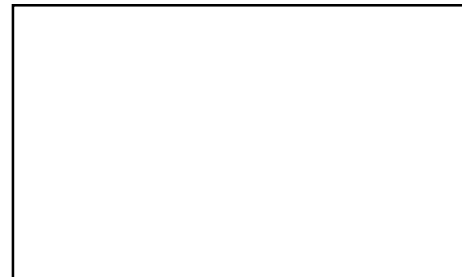
Show & Tell will have to wait until the rocks arrive They are coming via ship.
Photo - Matts Nilsson

ROCKY EVENTS

June was a month of one "rocky event" after another. The month started

with the **GESCI** Picnic in Iowa. Unfortunately, not many **LOESS** members were there. **Donna Moore** reported that the picnic was a success. A good time was had by all.

Then came the Old Missouri Mines Rock Swap in Park Hills MO. Here, in the shadows of a monument to the long history of mining in Missouri, swappers from all over came to trade, buy, and just generally enjoy rocks. LOESS members swapping included: **Gene Gyure, Connie Vepel & Paul Dennis, Dean Stone, Sharon Waddell, and John & Judy Washburn**. LOESS visitors included: **Dennis Haas, Larry Albro, Larry Reeves, Fred Bishop, Marlen Schultz, Paul Weller, and Rita Bass**. It was a beautiful weekend. There were a few showers Friday evening, but with the showers came a double rainbow!



God loves rockhounds - the gift of a double rainbow. Photo - John Washburn



From right to left are members Larry Reeves, Fred Bishop, and Larry Albro.
Photo - John Washburn



Member Sharon Waddell with her helper Gretchen.
Photo - John Washburn

The next series of events, was a one-day auction in Belvidere, IL, where **LOESS** President **Dennis Bomke** got a gorgeous piece of petrified wood (100+ pounds); along with a two-day auction (overlapping) in Fairfield, IA. The collection of the owners of Mary's Rock Garden were auctioned off. **LOESS** members seen included: **Merlin, Ann, & Cory Tobias, Janice Bryant, Dan & Sharon Clark, Dennis Bomke, and John & Judy Washburn**. This auction was long - there was a lot of stuff ! The challenge at the end of the auction was - how much stuff can one cram into the car!



Sharon Clark, second from the right, with her bid slip ready. Photo - John Washburn

ROCKY EVENTS CONTINUED

The last event of the month was the Bloomington Swap in Bloomington, IN.

Rockhound News continued on page 7...



Field Trip Reports

Jacob's Geode Farm by Ed Wagner

Only a LOESS club member can wake on a cold, overcast morning, drive through an hour of rain, and then collect rocks under a cloudless sky. Half an hour from Jacob's Geode Farm south of Hamilton, IL, the rain stopped and the sun came out. It was a bit on the warm side in the pit, which did cause a few members to go home early, but no one left disappointed.

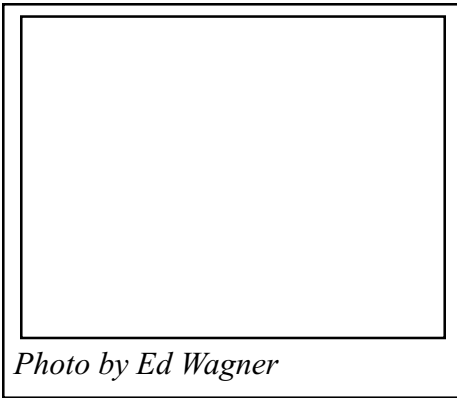


Photo by Ed Wagner

Finding the "road to the middle of nowhere" proved a bit challenging for myself and a few stragglers, but after a late start hunting, I found myself dragging a bucket nearly full of golf ball sized geodes found laying on the surface. It's really quite amazing how much hollow rocks can weigh!

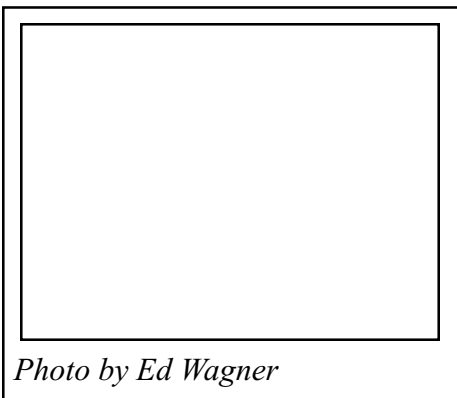


Photo by Ed Wagner

Many participants however were actively digging through dirt and soft shale and finding softball sized geodes. I played that game for a while but decided my smaller ones were an easier pick. **Paul Bloom**, a new member, and his dad, Dave, dug a 3 foot trench half way to Iowa and turned up some nice sized ones. (Welcome to the club Paul!) As a special treat, **Carl Kamp** even showed up - and brought his son Justin. I saw many new faces there.

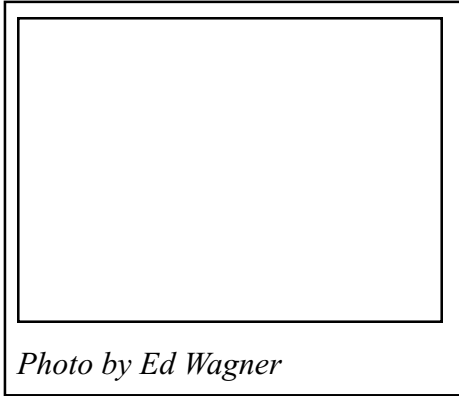


Photo by Ed Wagner

The highlight of my trip was when I hauled my geode cracker up the hill. It took exactly 15 seconds after the first geode popped open before the line was 10 deep. For well over an hour I cracked geodes for club members. And for well over an hour I wished I could take every geode home! Among the best I saw were thin-shelled quartz, blue-gray chalcedony, and white or tan calcite. Many of them also contained needles of other minerals. I started to notice a pattern as the day wore on, though. All the best geodes were found by or brought to me by **Brittany Davenport**. It seemed like every third customer I looked up and there she was smiling at me again, geode in outstretched hands! Thus I crown her "Geode Queen" for the 2003 Jacob's Geode Trip. Congratulations Brittany!! (Next year I'm following her around to find her secret collecting site!)

We also collected a bucket and a half of broken geode pieces, graciously donated by Mr. Jacobs, for the Illinois Department of Natural Resources to use in their "Mineral Dig" at the state fair this year. I want to take this opportunity to thank all the club members who chipped in and helped me fill these buckets. It freed me up to collect for myself.

I left midday, but half of the group was still in the pit collecting. If you haven't ever been here, it is well worth the trip and \$15 to get even a few of these beauties from the Mississippian aged Warsaw Shale. You may even find a few fossils too. I heard few complaints, but you have to admit that even if you didn't find as many as you wanted, it was just a great day to be outside digging and bashing through Mother Earth to find a few of her hidden treasures!

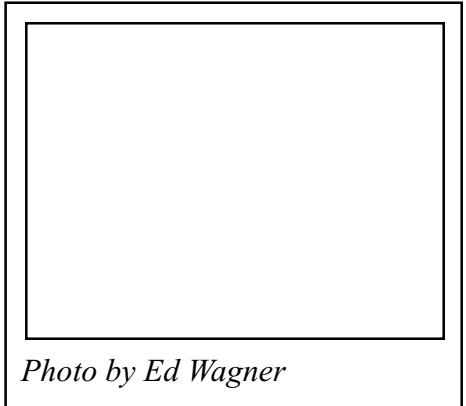


Photo by Ed Wagner

Twenty three club members signed in. Attending were: **Eugene Gyure, David Probst, Terry, Ernest, and Brittany Davenport, Barbara Hamilton, Tom and Katie Williams, Jill Duel, Paul and Dave Bloom, Kristin Ives, Ann Ringdahl, Rob Kaleel, Vera Hurst, Ed Wagner, Tracy Motter, Jennifer Frazier, Carl and Justin Kamp, John and Diane Dankoski, and Kevin Scheibe.**

Krakatoa

by Rob Kaleel

“Civilization exists by geologic consent, subject to change without notice” - Will Durant

The book sitting on the discount table at Barnes and Noble looked irresistible. Krakatoa - The Day the World Exploded - August 27, 1883, by Simon Winchester, powerfully describes the biggest volcanic eruption in human history.



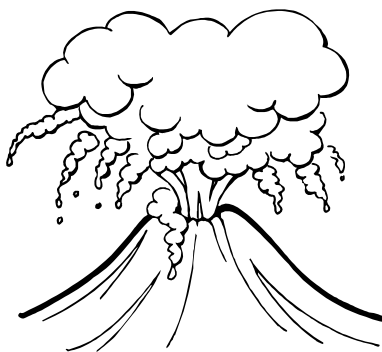
Krakatoa was located between Java and Sumatra in Indonesia, the former Dutch East Indies. I speak of the island in past tense because it is no longer

there. The island, and its 2,600 foot volcano, was virtually destroyed by the eruption of 1883. The volcano had been dormant for 1,200 years. Dutch colonists, who had ruled the area for the prior 200 years, thought it was extinct.

Indonesia has been described as the volcanic cockpit of the world, with more than 75 active volcanoes. It owes this distinction - its very existence - to its location above a tectonic subduction zone. For 60 million years, two crustal plates have been converging toward a violent, and still ongoing, collision. At its northern edge, the dense, basaltic Indo-Australian plate is colliding with, and diving below, the lighter,

granitic Eurasian plate. As the down-racing plate moves toward the hot mantle, it melts to liquid magma, and the lighter components float back toward the surface. When the rising magma encounters a crack, or fault, in the overlying crust, it rushes to the surface as a volcano. More than 90% of the world’s volcanoes are located above subduction zones at the edges of the world’s 26 crustal plates.

Islanders noticed the first signs of the imminent disaster in May, just 3 months before the climactic August eruption. Weak tremors, followed by stronger, more sustained earthquakes, were felt throughout Java and Sumatra. Within days, Krakatoa erupted for the first time, blanketing the area with ash and pumice. When the volcano quieted down two days later, the Dutch colonists were convinced that the event was over. They returned to their business of exporting pepper and other spices from the islands. They even organized excursions to the noisy island for nervous tourists. Krakatoa, however, was only clearing its throat.



After an 8-week calm, a second, then a third crater opened up on the volcano, emitting steam, ash, and toxic gases throughout the month of August. The final phase of the eruption began with a tremendous explosion at 1:06pm on Sunday, August 26, 1883. The following 20 hours and 56 minutes

were a living nightmare. Clouds of white smoke and ash billowed from the mountain, reaching a stratospheric height of 17 miles. Ash covered the surrounding villages to depths of several feet. The sky rained car-sized chunks of red-hot pumice. Continuous sheets of lightning charged through the dust clouds, and St. Elmo’s fire electrified the masts and rails of passing ships, illuminating them with a terrifying glow. The sea around Krakatoa was punctured with waterspouts, and a continuous series of tsunamis, or tidal waves, radiated from the island in all directions. Several of the waves exceeded 125 feet in height. One wave destroyed stone buildings atop a 115 foot hill. Another deposited a ship a mile and a half inland, and 60 feet above sea level. The ship remained there for 100 years.

Dawn never arrived in Java on Monday, August 27, 1883. Temperatures that morning were 15 degrees cooler than the previous morning due to the darkness. Four gigantic explosions rattled the area, beginning at 5:30am and culminating at 10:02am. The last explosion was the greatest sound ever experienced by man. It could be heard for 3,000 miles. It shattered the eardrums of the unfortunate locals. It created air pressure waves that circled the globe seven times, vibrating barometers in places as far away as Washington D.C. for 15 days. When it was over, the island of Krakatoa, including its 2,600 foot peak, ceased to exist, collapsing back into the sea to a depth of more than 1,000 feet. Villages in Java and Sumatra - 165 of them- had been

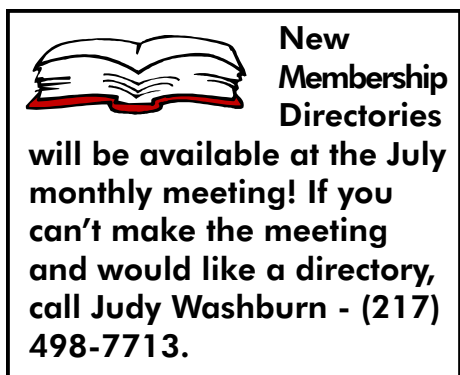
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swept away by the waves, killing more than 35,000 people. Rafts of pumice interlaced with human remains washed ashore for months, in places as far away as Africa. Ash clouds reaching the stratosphere spread in a westerly direction, causing brilliant sunsets and other optical phenomena worldwide. On November 28th, the sky was so red at sunset that the fire department of Poughkeepsie, New York was dispatched to extinguish a blaze in the western suburbs. The ash and dust remained in the stratosphere for at least 3 years, cooling the climate globally. Studies of the movement of the dust led to the discovery of the jetstream.

Krakatoa's eruption continues to this day. The tectonic fires below Indonesia still rage. Anak Krakatoa - "son of Krakatoa" - was born on January 26, 1928, rising from the sea in a steaming upwelling of red-hot lava. Today the central peak with two volcanic craters is 1,500 feet tall, growing at a rate of 20 feet per year. The geologic reality of the region ensures that what happened in 1883 will happen again, in exactly the same way.



The 2003 show committee has been busily planning this year's show. Here are the preliminary details:

Dates: September 20 & 21, 2003

Times: Saturday - 10:00 a.m. to 6:00 p.m. and Sunday - 10:00 a.m. to 5:00 p.m.

Location: The usual -- Illinois Building, Illinois State Fairgrounds, Sangamon Avenue and Peoria Road, Springfield

Theme: "Quartz Stones & Dinosaur Bones"

Activities will include: Silent Auction, Spin & Win Game for Kids, Flint knapping, Door Prizes, Geode Cracking Demonstration, Member Exhibits & Demonstrations, Dealers with Minerals, Gems, Fossils, & Jewelry, Saturday Swap, and a Concession Stand with Homemade Goodies

NEEDED:

1. Donations for Spin & Win and the Silent Auction

Start gathering specimens to donate to the Spin & Win game and to be sold at the Silent Auction. To donate to Spin & Win call **Jim Reynolds** at 787-1867. To donate to Silent Auction call **John Beall** at 523-2566.

2. Swappers

If you would like to participate in the Swap on Saturday (10:00 a.m. to 4:00 p.m. only) or would like more information, please call **Gene Gyure** at 323-2803. The cost for a space is \$1.00 a running foot with a limit of 15 feet per swapper. The registration deadline is September 13, 2003.



Continued from page 4...

LOESS members **John & Judy Washburn** were there as swappers and ran into members **Dennis Haas, Nancy Nowak,** and **Connie Vepel & Paul Dennis**. There were also a number of MWF officers there. The Midwest Chapter of the Friends of Mineralogy hold one of these meetings at the swap every year. This year, in addition to the business meeting, they featured a program on "The Mineralogy of the Bancroft, Ontario Area." It was a good program. It was a beautiful weekend for a swap. You might want to put this one on your calendar for next year.

NEWS ABOUT OLD FRIENDS

We have some updates about friends of **LOESS**. Glen Hanning, who had been in the hospital recently for some surgery, is home and, from all reports, doing fine. He would probably enjoy hearing from folks. Hang in there, Glen!

The latest word on Lyle Kugler is that he is doing well. He is in Iowa City for another round of chemotherapy as of this writing, but was out rock collecting at LaFarge Quarry last weekend. That is really GREAT news! Lyle says he is planning to be at the Springfield show. We're looking forward to seeing you, Lyle!

UP AND RUNNING AT A NEW PACE

Member **Glen Nation** was informed by his doctor that he needed surgery - tomorrow! That was the bad news. The good news was - he didn't have time to worry about it - and everything went just fine! Glen is at home recuperating. We hope to see him around soon - a new man!

THE FIRST GRANDSON

Gene Gyure welcomed his first grandson into the world in early July. Nathan James Gyure was born 6 lbs 13 oz. and 19" long to Gene's son Jim and his wife Lisa. Nathan was 3 to 4 weeks premature, but is doing well and was expected to be released from the hospital on July 9. Congratulations Grandpa!!



More Rockhound News

LOESS MEMBERS CARE-A-LOT

by **Jim Reynolds**

Wednesday, June 25, 2003 LOESS members **John Beall, Jim Reynolds**, and junior members **Christopher and Caitlin Reynolds** attended Camp Care-a-Lot, provided material, and helped campers make tumble polished jewelry.

Camp Care-a-Lot is a once a year week of camping at Lake Springfield for about 60 kids, ages 6 to 10 years old, that can't afford a summer camping experience. Jim and John will also participate in the camp at Jacksonville in about a month.

This year, Camp Care-a-Lot celebrated its 10th Anniversary. The campers and counselors were making a ceramic mosaic monument to be placed downtown. This is to thank the city for all the support they have given the camp. Springfield Mayor Davlin and camper Mayor Kaitlin kicked off the anniversary celebration by placing the first two pieces in the mosaic.

John Beall and **Jim Reynolds** were presented a brass plaque honoring their 10 years of volunteer service at the camp.

LOESS Officers: (Area Code - 217)

- President.....Dennis Bomke (546-4096)**
- Vice President.....Judith Washburn (498-7713)
- Secretary.....Mary Fullerton (787-3233)
- Treasurer.....John Beall (523-2566)
- Program Chair.....Neil VanBebber(546-5614)
- Field Trip Chair.....John Washburn (498-7713)
-John Beall (523-2566)
- Awards Chair.....Mike Lacquement (525-0693)
- Liason.....John Washburn (498-7713)
-John Beall (523-2566)
- Alternate.....Bill Sausaman (546-7658)
- Editor.....Jennifer Kuehner (793-6086)

MEETING: The third Monday of every month.
Illinois State Museum, Spring & Edwards Streets, 7:00 p.m.

MEMBERSHIP: Adults \$10.00
Family \$15.00
Junior \$ 1.00 (Sponsored by adult)

PURPOSE: To foster interest in, knowledge about and scientific appreciation of the fields of Gemology, Mineralogy, Geology, Anthropology, Paleontology, and related earth sciences.



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mail or email: kuehner@museum.state.il.us

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