



PICK & SHOVEL

P.O. Box 5342, Lincoln, Nebraska 68505-0342, www.lincolngemmineralclub.org

Volume 55, Issue 2
October 2012

The purpose of this corporation shall be to study, promote an interest in, and disseminate knowledge of lapidary and various Earth Sciences including but not necessarily limited to Geology, Paleontology and Mineralogy. It shall be a particular purpose of the corporation to provide education in these fields to its members and the general public, especially to youth and student groups.



UPCOMING EVENTS

Regular monthly meetings are held at 7:00 p.m. at the Bethany Park Shelter House. Youth activities begin at 6:30 p.m. Summer activities will be announced as they are planned.

General Meeting

October 18
7:00 p.m.

Halloween Meeting: Come dressed as a hobby-related item!

Program: Lake Superior Agates by Jim Null
(Jim was ill last month and did not present the program.)

Mineral Monkeys

October 18
6:30 p.m.

Halloween Meeting: Come dressed as a hobby-related item!

Lesson: Nebraska State Fossil



Calendar of 2012 Meeting Dates Board

Nov: October 31
Dec: November 28

General

Oct: October 18
Nov: November 15
Dec: December 2
(Christmas Party)

TENTATIVE 2013 Board

Jan: January 2
Feb: February 6
Mar: March 6

General

Jan: January 26
Feb: February 21
Mar: March 21

October Rock Party

Hosted by
The Jewelry Connection
Saturday, October 27 @ 5 pm
Halloween Theme
BRING YOUR PROJECTS!

Menu Suggestions:

Ghoul-osh

Worms with eyes & blood

Jack-o-Lantern guts

Jim & Sharon plan to take:

Wart & Ghost Copralite Salad;

Cream of Maggot & Apache Tears;

Tombstones

REGIONAL EVENTS

20-21: CHICAGO HTS, IL. South Suburban Earth Science Club's 43rd Annual Show; Prairie State College, 202 S. Halsted St.; Sat. & Sun. 10-5; CONTACT: Jan Podbielski, P.O. Box 911, Peotone, IL 60450, 708.258.3791, ssescus@yahoo.com.

20-21: DES MOINES, IA. Des Moines Lapidary Society's Annual Show; William Knapp Animal Learning Center; Iowa State Fairgrounds, E. University Ave. Gate; Sat. 9-7, Sun. 9-5; CONTACT: Steve Cunningham, 6752 SE 32nd Ave., Pleasant Hill, IA, 515.262.4578, steverv@mchsi.com.

BOARD OF DIRECTORS

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Board Member

Charles Wooldridge, 402-416-3233
charles.wooldridge@nebraska.gov

REFRESHMENTS

Oct. 18:

Charles Wooldridge &
AnneMarie Frierichs

Nov. 20:

Al Stewart & Jim Atkins

SUNSHINE CORNER

If you have an October
birthday, please let the Editor
know.

PRESIDENT'S MESSAGE

by Richard Peterson

I want to thank everyone who participated in the silent auction at our last General Meeting. This is to those who donated items for auction and those who bid. We raised just under \$100 which will be used to upgrade the signs used at our Annual Show.

On the 23rd, Wooly and I ventured to Columbus, Nebraska for the Loup Valley Gem and Mineral Club Show. Included was a field trip to the Loup River with Ben Vrana to hunt for bison skulls. It was a perfect day, the sky was clear, the air cool, and the sun was just warm enough. A wonderful way get out and support local area shows.

The 57th Annual Nebraska Mineral & Gem Club Show is in Omaha on October 6 (Saturday 9-6) and 7 (Sunday 10-5) at the Westside Community Center. There is free parking, silent auctions, etc. Always a great show. Hope to see you there.



It is Election Time again! LGMC Board of Directors Slate of Nominees

President:	Jim Marburger
First Vice-President:	Ed Dvorak
Second Vice-President:	Aulden Stewart
Treasurer:	Vera Lyman
Secretary:	Mark Awakuni-Swetland
Board Members:	
(Vote for 4)	Jayne Beer
	Rowdy Cropp
	Richard Peterson
	Ed Ridge
	Charles Wooldridge

Nominations will be taken from the floor immediately prior to voting at the November General Meeting. Nominations will be accepted for all positions. If you or someone you know would like to be on the Board of Directors, make the nomination in November.

WANTED

- * New home for the Club Library
- * Host for the November Rock Party

BENCH TIPS BY BRAD SMITH

TEMPLATES

Whenever I have to make more than 2-3 exact copies of anything, I think of making a template. A template lets me easily draw the shape of an item. Art stores sell templates for common shapes like circles, ovals, hearts, etc., but if you need other shapes, it's easy to make your own. Simply cut the shape out of sheet plastic, copper or brass.

The brass template lets me quickly trace the design of these ginkgo leaf earrings onto silver sheet, and the nickel template makes it easy to drill the pin inlay pattern into the ironwood.

After finding a poor selection of stock templates for ovals at my local art store, I was pleased with the wide selection on Cool Tools at <http://www.cooltools.us/>. If you order, be sure to look for the 10% off code each month on their Home page.

Kingsley North also has some nice templates at <http://www.kingsleynorth.com/>.

DENTAL TOOLS

A ready source of free tools is your local dentist. Dental picks can be reworked into wax tools or straightened and sharpened to make a stylus for marking and layout. The steel in these tools is high quality, and the handles are designed for comfort. A special note however - don't try to bend one of the tips to a different shape - the steel will snap. To change the shape, heat the tip to red hot and bend it with pliers while it's hot.

And don't forget to ask your dentist for some of the cutting burs they throw out. These are useful for a

variety of things. It's best to call a week or two before your visit and ask the dentist to put some of these tools aside for you. It's good practice also to ask that they run them through the sterilizer for you.



If you enjoy Brad's Bench Tips, check out his new book of 101 tips at <http://CreateSpace.com/3976439> or <http://Amazon.com/dp/0988285800>.

SEPTEMBER ROCK PARTY

By Jim & Sharon Marburger

Wooly hosted the Rock Party on September 29. Thirteen people enjoyed grilled hot dogs and venison burgers, soup, salad, sweet potatoes, and assorted desserts.

Donations for the 2013 Show "rock pile field trip" and silent auction were sorted and the respective chairmen took possession of them.

Several members identified specimens for others, all the while carrying on lively conversation. There were also several river field trip stories.

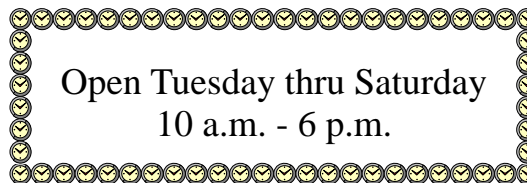
Being a September Saturday evening in Nebraska, the focus of the gathering soon shifted to Cornhusker football. The party moved indoors to the television to watch the game, at which point some individuals departed for home.

LINCOLN CURIOS ROCK SHOP

6625 Burlington - Lincoln, NE 68507 [Park in alley]
(402) 310-3307

► SPECIALIZING IN ARIZONA PETRIFIED WOOD ◀

- ◆ Rough stones and fossils for the hobbyist
- ◆ Polished stone items for interior décor
- ◆ Great selection of tumble-polished stones
- ◆ Natural petrified wood for landscaping





EL CHICHONAL

by Richard "Pete" Peterson, President

INTRODUCTION

In 1982, our family was living in Tuxtla Gutierrez, the capital of the state of Chiapas in southern Mexico. Chiapas shares a border with the country of Guatemala. I was a research scientist with the United States Department of Agriculture - Agricultural Research Service.

On March 28, I was on assignment in McAllen, Texas, traveling with the Director of the program for which we were working. We had driven together, joined at the bumpers, if you will, from Tuxtla. The long trip to the border was usually eventful; a possible flat, or worse yet a breakdown, which meant you traveled prepared. Narrow roads, some very good but other stretches with potholes, twisted their way up the coast of the Gulf of Mexico to Texas.

We heard the news from our motel room in McAllen; a volcano had erupted just 40 plus miles northwest of Tuxtla. We had both left our families to manage the daily routine. (Note: Mount St. Helens had erupted two years earlier.) We had experienced an occasional tremor in Tuxtla, but they were never destructive. Over the centuries the locals had gotten used to them, and now so did we. But this was all new, especially for the Americans living overseas in the shadow of a volcano.

THE TRIP HOME

On our return to Tuxtla, as we crossed the Isthmus of Tehuantepec (100 miles from Tuxtla), the ash on the road, and that which clung to the sparse trees and vegetation, made us wonder what was in store for us in Tuxtla. We had heard no news from the area except about the devastation and some deaths around the volcano. American news channels did not cover anything that might help those living in Chiapas. We had no luck in contacting the American Embassy in Mexico City, the lines were overloaded. Cell phones did not exist in the 1980s.

Clouds of ash swirled behind our vehicles as we sped toward our destination. Windows rolled up, and with all sorts of thoughts in our heads, we continued on. We stopped more than once to remove and vigorously slap our air filters to clear the ash. The closer we got, the thicker the ash became. We hoped the eruption was over ... there was nothing falling from the hazy blue sky.

Traffic into Tuxtla was non-existent; most cars and buses were headed the other direction. People walking along the roads were holding handkerchiefs over their nose and mouth. The Director split off and headed for his home and family; I did the same. La Lomita, the residential area where we lived, seemed uncharacteristically quiet. The air was still and everything was dusted inside and out in light gray ash. Flick a tree branch or kick the grass and the ash was airborne again.

Our rented home and my family were okay. I was not sure what I expected to find, emotional over-reaction I suppose. My wife and our children - John, age 8 and Andrea, age 3 - were fine, masks and all. The USDA had issued fine particle masks to employees and their families. Our home was covered with ash, an inch or more on our roof and in our yard. The kids loved it. We tried our best to minimize the exposure. There had been no U.S. Embassy directive to evacuate the area. The seasonal rains were some months off. Tuxtla very quickly got back to normal. Those who lived in Tuxtla had experienced only a fraction of what others went through. We cleaned our home the best we could, and resumed our lives.

THE VOLCANO

El Chichon (Volcan El Chichonal in Spanish and translated "The Lump") is a stratovolcano. It is part of a geologic zone known as the Chiapanecan Volcanic Arc. The region is thought to be a result of the subduction of the Tehuantepec Ridge, an undersea ridge that lies on the Cocos Plate off the Pacific coast of Mexico. The volcano is roughly 1,250 meters (4,100 feet) above sea level and located 17.33N N, 93.20N W. No previous eruption had been noted in historic times, i.e., prior to the arrival of the Spaniards in the 1500s.

Those living near the volcano were by and large Zoque people, one of the many indigenous Indian populations of Mexico. They live in and around the towns of Amatan, Chapultenango, Francisco Leon, Ixtacomitan, Tapilula, Nicapa, Ocozocoautla and a number of other small hamlets. The women wear colorful, traditional clothing and they converse among themselves in the Zoque language. Their faith is Roman Catholic. Homes are sturdy, but made of wood and adobe, white washed inside and out and with earthen floors. They farm (maize, beans, chiles, and squash) and graze their stock (cattle, pigs, and domesticated fowl) on the volcano's slopes. The Zoque population was over 40,000 people in the year 2000.

(Continued on page 5)

EL CHICHONAL (CONT'D)

(Continued from page 4)

DEFINITIONS

Before summarizing the major events that transpired during the eruption of El Chichon, some definitions may be helpful.

- Stratovolcano - a conical volcano composed of many layers of hardened lava, tephra, and ash. The lava that flows is viscous (thick); it cools and hardens before spreading very far. Mount St. Helens is another example of a stratovolcano. Shield volcanos, on the other hand (e.g., Mauna Loa in Hawaii), have less viscous magma, a wide base and a more gently sloping profile, allowing the lava to spread out over a wider area.
- The magma that forms the stratovolcano arises when water, trapped in hydrated mineral and in porous basalt rock of the upper crust, is released into the hotter mantle rock. When critical pressure and temperature conditions are met, the volume of magma and gas accumulate until the volcano's cone explodes.
- Tephra - Greek for "ash". The broad definition of tephra is any air-fall material produced by a volcanic eruption regardless of composition or fragment size. Some will further classify the fragments by size. Ash is any particle less than 2 mm (.08 inches) in diameter. Next is cinders (sometimes referred to as "lapilli") which are between 2 and 64 mm (.08 - 2.6 inches) in diameter. And finally, volcanic bombs or blocks are anything greater than 64 mm (> 2.6 inches). Tephra is typically rhyolitic in composition, as most volcanos are the product of the more viscous felsic or high silica magma.
- Pyroclastic - Greek connotation, "broken by fire". Pyroclastic material is composed of a range of materials. Pyroclasts are carried in a buoyant eruption plume which can rise several kilometers and cause aviation hazards. Particles falling to earth from the eruption clouds form layers on the ground. The pyroclastic density currents, called "flows" or "surges" are also referred to as "glowing avalanches". A pyroclastic eruption entails a "fountaining" of the lava. The magma clots and coalesces upon landing to form a localized lava flow.
- Stratosphere - The second major layer of Earth's

atmosphere, just above the troposphere and below the mesosphere. The stratosphere is between 10 km (6.25 miles) and 50 km (31.25 miles) altitude above the land surface. Commercial airliners typically cruise in the lower stratosphere.

- Troposphere - The lowest portion of the Earth's atmosphere. It contains 75% of the atmosphere's mass and almost all of its water vapor and aerosols. The Greek "tropos", for "mixing", reflects the turbulent nature of this portion of the atmosphere. Most of the phenomenon we call "weather" occurs in the troposphere.

THE ERUPTIONS

This is a brief summary of the events as reported by professionals and trained field monitors recording the events as they happened. Any new terms not already defined will give the reader an opportunity to delve deeper and learn more about volcanic eruptions.



(Continued on page 6)

Silversmithing classes

**The Jewelry Connection Ltd.
Indian Village Shopping Ctr.
13th & Arapahoe, Lincoln**

Tuesdays

October 9, 2012

thru

November 27, 2012

7:00 p.m. - 10:00 p.m.

Tuition: \$120 plus \$30 supply deposit

Contact:

Jayne Beer 402-890-3307

Judith Bay 402-423-7058

or e-mail

jbeer60070@aol.com



EL CHICHONAL (CONT'D)

(Continued from page 5)

March 28-29 - After several weeks of local seismicity, explosions of El Chichon ejected a series of tephra columns, two of which penetrated well into the stratosphere. Vigorous feeding of the plume continued for several hours. A dense tephra cloud drifted east-northeast. The next morning the main plume extended from the Mexican Yucatan Peninsula, to south of Cuba, and to Haiti with a diffuse plume over the eastern Pacific Ocean. Nine distinct infrasonic signals were received for 22 minutes, including a strong gravity wave, indicating the eruption column struck the tropopause. Instruments at McMurdo, Antarctica 11,865 km (7,415 miles) from the volcano recorded signals for 2 hours.

Tens of thousands of people fled the area. Residents of Nicapa, 7 km (4.4 miles) away, on the northeast flank of the volcano, took refuge in a church that was then toppled by a magnitude 3.5 earthquake. The heavy ash-fall forced the closure of roads and the airports at Villahermosa (in the state of Tabasco, north and east of the volcano) and Tuxtla Gutierrez (70 km, 44 miles south of the volcano) were closed.

Cocoa, coffee, and banana crops were destroyed, and the cattlemen's association requested that surviving animals from a wide area be transported for butchering because ash-fall had made grazing impossible.

April 2-3 - An explosion ejected a mushroom-shaped cloud that rose to 3.5 km (2.2 miles) in 30 minutes. Gravity waves and acoustic signal near Dallas, Texas indicated that the eruption column again struck the troposphere forcefully.

At Nicapa, new ash was reported and a haze of sulfur dioxide was visible during the day. For five hours, ash was reported drifting over northern Guatemala and Belize. The plume later extended almost to Cuba. Haze was widespread over central Mexico. Visibility in Mexico City was limited to 8 km (5 miles), this was approximately 650 km (406 miles) west-northwest of the volcano.

April 4 - A strong explosion, possibly larger than the initial event on March 28 sent up a new ash cloud that was over Hawaii two days later. Wind speeds near the volcano remained relatively low and most of the ash cloud remained over southern Mexico and northern Guatemala for more than 24 hours. By April 5, the low altitude portion of the plume had reached the south Texas coast, and Brownsville reported visibility of only

6.5 km (4 miles) in haze. Some airline flights were canceled.

All villages within 15 km (9.4 miles) of the summit were reported to have been evacuated as tens of thousands of people fled their homes. Mexican government officials reported ash-fall over 24,000 square km and crop damage of \$55,000,000 (ca US\$5.5 million).

From the town of Pichuacalco (approximately 20 km northeast of the summit), incandescent tephra could be seen rising from the volcano and the ash cloud darkened the sky during the morning as though it were night. Earthquakes accompanied the event.

At Ixtacomitan, 18 km (11 miles) east-northeast of the summit, there was heavy fall of tephra and the army was sent to evacuate the 3,000 residents. Tephra thickness in Nicapa totaled 25 - 40 cm (10 - 16"). Volcanic bombs up to 60 cm (24") made numerous holes in the residents roofs causing many to collapse. The tephra appeared to be crystal-rich andesite or dacite containing hornblende and feldspar.

Extreme heat made it impossible to approach the village of Francisco Leon, 5 km (3 miles) southwest of the summit. Of the roughly 1,000 residents of the town, roughly half had reportedly evacuated, but the remainder were reported missing. The pyroclastic flow that traveled through Francisco Leon left only a thin deposit, but of the structures in the village, only one wall of a church, parallel to the direction of the flow's movement, remained standing. A helicopter flight over the village revealed no signs of life.

THE AFTERMATH

The event injected approximately 7 million metric tons of sulfur dioxide and 20 million tons total of particulate matter into the stratosphere. The cloud of volcanic gas and particles moved westward, circling the Earth in three weeks. The Mount St. Helens blast a month later went sideways; El Chichonal's blast went straight up.

The eruption destroyed the volcano's summit dome and produced a one km wide caldera that then filled with an acidic crater lake. The event produced high-sulfur anhydrite-bearing magma, explosive eruptions, and pyroclastic flows that were devastating.

All of the volcano's original major drainage routes contained pyroclastic flow deposits which were more than 15 m (49 feet) thick in the deeper valleys. Lakes

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EL CHICHONAL (CONT'D)

(Continued from page 6)

gradually formed behind the dams created by the flows. The largest, in the valley of the Magdalena River, held until May 26. The lake drained in an hour, sending hot water downstream, causing destruction for those who had not evacuated. At Ostuancan, more than 10 km (6.25 miles) from the dam, the water temperature was 82°C (180°F). At a dam, part of a federal hydroelectric project 35 km (22 miles) downstream, they reported one worker killed and three badly burned by the 52°C (125°F) water.

By late May 1982, significant re-vegetation had begun in some areas. Near Nicapa (7 km northeast of the summit), coconut palms that had been totally denuded showed new leafy growth. Some residents who had evacuated had returned to the area and cattle were beginning to graze the area. Closer to the summit, fields that had been completely burned contained sparse tufts of new grass.

In June there were several explosion pits on the floor of the new crater, all were filled with boiling water and mud, and emitting vapor. After normal rains, the ash had compacted to 3 - 4 m (10 - 13 feet) at the rim of the crater.

Reliable sources have placed the overall human death toll at 2,000. The numbers of livestock and wildlife destroyed will never be known.

THE TRIP

On April 28 (a month after the initial eruption) our family, being curious but cautious, made a trip by car to Tapilula. The small town was easily accessible from Tuxtla and was 20 miles, as the crow flies, from the volcano's rim. The trip was an eye opener.

The indigenous Zoque women were walking along the road heading to their homes carrying baskets of firewood on their backs; elsewhere, buckets of water were being drawn at a standpipe and being readied for the journey. It seemed, at least on the surface, that nothing much had changed. The hot, shifting breeze brought whiffs of rotten eggs.

Instead of fine ash there was black and white sand (size wise, it was still classified as ash) in low "drifts" along the roads. Being heavier, the sand fell to ground while the lighter ash drifted then settled further afield. For now, Mom and the kids stayed in the car. The ground felt warm, whether this was true or whether it was just another hot day in southern Mexico, I do not know. I had come prepared to walk, collect, and

maintain hydration. However, I didn't wander far from the car and very little searching was possible apart from the roadside sand. We were still a very long way from being anywhere near the rim.

I had grossly underestimated the devastation and the harsh collecting conditions. The kids and I were impressed at the surreal scene; Mom thought more of the toll in human and animal lives. We reversed, got a soft drink at a roadside stand and returned to Tuxtla. All the while we discussed the day trip and the magnitude of what we had experienced.

CONCLUSION

Two years later, when my contract was finished and we returned to the States, there was still dust and the feel of ash permeating our boxed personal effects. We finally had the chance to machine wash and wipe clean a part of our once-in-a-lifetime event.

REFERENCES

- Science. 1983. Sighting of El Chichon Sulfur Dioxide Clouds with the Nimbus 7 Total Ozone Mapping Spectrometer. June 24. p. 1377-1379.
- Science Digest. 1983. Hiking Through Hell: Inside a Live Volcano. June. p. 68-73.
- Smithsonian Institution. 1982. SEAN (Scientific Event Alert Network) Bulletin. Vol. 7, No. 3, March 31. p. 2-6, 23.
- Vol. 7, No. 4, April 30. p. 2-5.
- Vol. 7, No. 5, May 31. p. 2-6.
- Time. 1982. Pardon El Chichon's Dust. (Environment). July 5. p. 70.



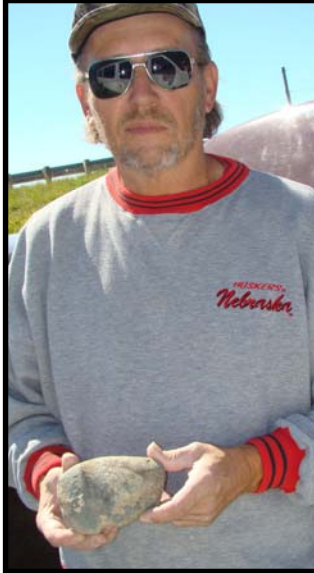
Photo by Jim Marburger

Ground sloth femur found by Richard Peterson

NEMAHA FIELD TRIP

By Jim & Sharon Marburger

Nine LGMC members and one guest met up with a group of rockhounds from the North Central Kansas Rock & Gem Club and the Topeka Gem & Mineral Club at the diner in Dubois, Nebraska on September 22, to collect on the South Fork of the Big Nemaha River. It was a beautiful fall day, perfect for collecting. We started at the concrete bridge on Highway 8 known as Kinters Ford. One group headed north of the highway while the rest headed south. Small fossils, jaspers, petrified wood, Lake Superior agates, honey agates, chert, and other specimens were collected. One of the Kansas rockhounds found the lower jaw of what is suspected to be a grass eater. Our Mineral Monkey, Corey, found a scapula bone of unknown origin. Our very own Terry Anderson found a tomahawk head on his hike to near the Kansas state line.



At 12:30, the hunters moved approximately two miles north to a location known as Broken Bridge. There, everyone scattered upstream and downstream, looking for that one special item. We did not hear of any special finds here; just more of what was found at Kinters Ford.

The severe drought currently being experienced in Nebraska has created historic low flows in the River, which opened up locations previously inaccessible to collectors.

On the drive back home, Field Trip Chairman Jim, Andrew, and I checked out numerous dirt roads for road collecting. We found that most roads needed a good rain to uncover specimens. Between the harvest and the drought, the roads appeared to be not easily collected at this time. However, we found one road near Sterling, Nebraska that had lots of jaspers and agates. Sharon found a nice sized piece of purple quartz (amethyst) and Jim found a half pound Lake Superior Agate - right in the middle of the road!

All in all, a successful day of exercise and collecting.



Photos by Jim & Sharon Marburger

GENERAL MEETING MINUTES

LGMC General Meeting, September 20, 2012, Bethany Park Shelter House

Respectfully submitted by Sharon Marburger, Secretary

- Meeting called to order at 7:00 p.m.
- 32 Adults, 3 Mineral Monkeys, 1 guest (Will Hewitt of Lincoln)
- Minutes of May meeting approved on motion by Karen Messenger, second by Brad Nielsen.
- Treasurer's Report approved on motion by Jim Atkins, second by Karen Messenger.

ANNOUNCEMENTS

- For those who hadn't heard, Stella Thiessen passed away.
- Andrew Tiedje will now be the Mineral Monkey's leader.
- Field trip with North Central Kansas Rock & Gem Club is September 22.

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GENERAL MEETING MINUTES - CONT'D

(Continued from page 8)

- The September Rock Party, hosted by Wooly, will be the 29th at 5:00 p.m.
- The Jewelry Connection will host the October Rock Party on October 27 at 5:00 p.m. It will be Halloween themed.
- The SEC lapidary class is not listed in the course catalog. The first class will be held October 13, the cost is \$59. Class size is limited to 12; 5 slots currently open.
- The Loup Valley show is this weekend, September 22 & 23.
- The Omaha show will be October 6 & 7.
- The MWF Fall meeting will be October 6 & 7 in Springfield, Illinois.
- Andrew Tiedje became a new father on September 11.

OLD BUSINESS

- Vera Lyman announced that Sharon Marburger purchased flowers (voluntarily and at her own expense) for Stella Thiessen's funeral. The card sent with the flowers indicated they were from LGMC. If you would like to contribute a small amount toward the flowers, please give the money to Sharon. (Sharon requested the Club not reimburse for the flowers because the purchase was not authorized prior to buying.)

NEW BUSINESS

- Al Stewart reported that the dates have been set for Geology Day and the Grinding Party. They are February 5, 2013 and July 14, 2013, respectively.
- President Richard Peterson found the femur of a ground sloth while on a river hunting trip. The specimen will be donated to the State Museum. George Corner of the Museum claims it is the second best specimen of its kind that he has seen. (Way to go, Pete!)
- October will be the Halloween meeting. Come dressed as a hobby-related specimen. Awarding of prizes has not yet been decided. (I already know what I'm going as!)

COMMITTEES

- Show Committee Report
 - Press releases will be handled by Sam Redman.
 - Mr. Bones wants \$1,300 to appear; we will decline this year.
 - Still need a Programs & Speakers Chairman

- Jim M. and Wooly have communicated with Mark Harris at the State Museum. LGMC and the Museum will share advertising expenses, and the Museum will assist with graphic arts for advertising and our website. Ads will be placed in Lincoln Kids' Activities and other publications. The next meeting with Mark Harris will be October 4.

- The Nominating Committee offered a slate of officers:

President:	Jim Marburger
First Vice-President:	Ed Dvorak
Second Vice-President:	Aulden Stewart
Treasurer:	Vera Lyman
Secretary:	Mark Awakuni-Swetland
Board Members:	
(Vote for 4)	Jayne Beer
	Rowdy Cropp
	Richard Peterson
	Ed Ridge
	Charles Wooldridge

- Meeting adjourned to Silent Auction and refreshments at 7:45 p.m. on a motion by Bob Grimmit, second by Karen Messenger. Carried.
- Jim Null's program on Lake Superior Agates will be postponed until the October meeting due to Jim's being under the weather. It was decided to not view a video since we had a silent auction.

BOARD MEETING MINUTES

LGMC Board Meeting, May 2, 2012, Gere Library (May meeting)

Respectfully submitted by Sharon Marburger, Secretary

- Meeting called to order at 6:30 p.m. by President Richard Peterson.
- Members Present: Richard Peterson, Ed Dvorak, Al Stewart, Vera Lyman, Sharon Marburger, Rowdy Cropp, Jim Marburger, Ed Ridge, Charles Wooldridge.
- Visitors: Judy Cropp, Pat Dvorak, Andrew Tiedje
- Minutes of the May meeting were distributed. Ed Dvorak moved to accept the minutes, Jim Marburger seconded. Motion carried.
- The Treasurer's Report was distributed. Ed Dvorak moved to accept the report, second by Charles Wooldridge. Motion carried.

(Continued on page 10)

BOARD MEETING MINUTES - CONT'D

(Continued from page 9)

ANNOUNCEMENTS:

- Andrew Tiedje will continue to lead the Mineral Monkeys following Stella's death. Linda Guenter and Susy McMahan were suggested as possible replacements for Stella.

OLD BUSINESS:

- Richard Peterson telephoned the Rockels to request their presence at the September meeting for presentation of lifetime membership award.
- The financial audit has been completed. The books are in order. Anyone wanting a copy of the audit should contact Treasurer Lyman.

NEW BUSINESS:

- The General Meeting program will be on Lake Superior Agates, presented by Jim Null.
- Richard Peterson suggested participation in the Adopt-A-Highway program. This would entail de-trashing a two-mile stretch of highway twice a year. The subject will be presented to the general membership.
- Membership applications from Clarence & Amber Schaffner and Carmen Perzinski. Charles Wooldridge moved to accept membership (pending payment of one), Sharon Marburger seconded. Motion carried.
- Election ballot from Midwest Federation. Candidates selected and Treasurer Lyman will mail the ballot.
- The September Rock Party will be hosted by Wooly at his home on September 29, 5:00 p.m. Picnic in the back yard. Wooly will grill. A Show Committee

meeting will be held following the meal.

- Joint Nemaha River field trip with the North Central Kansas club on September 22. Will meet at 9:15 a.m. at Shirley's Place in Dubois, Nebraska.
- Wooly has requested to act as the 2014 Show Chairman. Ed Dvorak will take 2015 and 2016. Vera Lyman moved to accept these requests, Sharon Marburger seconded. Motion carried.

COMMITTEE REPORTS

- Richard Peterson handed out a draft Midwinter Swap flyer. It was suggested to add "family friendly" or "fun for the whole family".

Show Report:

- Wooly reported that all of the dealer contracts have been mailed, five have been returned with payment.
- A September 18 meeting has been scheduled for Wooly, Jim Marburger, and UNL's Mark Harris to discuss mutual marketing of activities.
- Sam Redman will charge \$1,500 to bring his emerald display; he will handle that advertising.
- Ed Dvorak will contact Mr. Bones to find out his fee.
- Wooly asks that all members bring Nebraska specimens for inclusion in the rock pile "field trip".
- Sharon Marburger will contact the Kenfields for a special display and Wade Beins for a program.
- Jim Marburger has contacted the Oral Roberts Museum; no response yet.
- Andrew Tiedje will contact Mr. Voorhees.

(Continued on page 11)

J J & L Rocks & Minerals

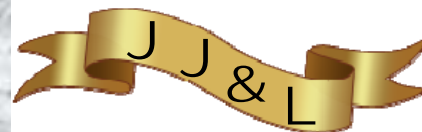
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STANDING COMMITTEES CHAIRMEN

Audit	John Harrison James Marburger Ed Dvorak
Christmas Party	Edward Ridge
Education / Librarian	Charles Wooldridge Judy Cropp
Facebook	Andrew Tiedje
Field Trips	James Marburger
Geology Day Coordinator	Aulden Stewart
Grinding Party	Aulden Stewart
Historian	Sharon Marburger
Legislative Liaison	Robert Cropp
Membership Record	Edward Ridge
MWF Liaison	Vera Lyman
Programs	Jayne Beer/Judy Cropp
Property	James Marburger
Refreshments / Door Prizes	Mary Pittard
Scholarship	Vera Lyman
Show—2013	Charles Wooldridge
Swap—2013	Richard Peterson
Website	Jim Atkins
Youth Activities	Andrew Tiedje Kay Jurgens

**ADVERTISING, SUBSCRIPTION,
AND MEMBERSHIP INFORMATION**

Advertising by rock / hobby business or interest is permitted with the approval of the Board of Directors. Contact the Editor with your proposed ad. The rate is set at \$20.00 per full page; \$10.00 per 1/2 page; \$5.00 per 1/4 page (minimum) per issue, paid in advance to the Club treasurer. Ads will be placed throughout the newsletter as space permits.

Subscription to the Pick & Shovel is \$15.00 per year for mailed copy.

Membership dues for the Lincoln Gem & Mineral Club are as follows:

- Adults (age 16 and over) - \$15 per year or \$25 per couple (within the same household)
- Juniors - \$2 per year (with a responsible adult)

All new memberships must be accompanied by a written application. Prospective members must gain Board approval and attend one regular meeting before being approved for membership.

**LONG RANGE PLANNING &
BY-LAWS COMMITTEE**

1 year	Edward Ridge Robert Cropp
2 years	Charles Wooldridge Sharon Marburger
3 years	Vera Lyman John Harrison

NOMINATING COMMITTEE

3 years	Brad Nielsen Roger Pittard
2 years	Robert Cropp Judy Cropp
1 year	Vera Lyman Edward Ridge

BOARD MEETING MINUTES - CONT'D

(Continued from page 10)

- Due to the length of travel time, Richard Peterson asks that we change the meet time for the Nemaha River field trip on April 5 to 8:00 a.m. Additional information to include moderate physical activity, bring your own collecting tools, bring a “sack lunch”, and a release of liability form will be prepared.
- No additional information on the Fairbury field trip.
- Andrew Tiedje will chair the Silent Auction committee. Volunteers to assist Andrew with the auction booth are needed.
- Volunteers for the Club Booth. Bob and Pat Gruit expressed interest in helping. More helpers are needed. Ed Dvorak offered to man the fluorescents display again.
- Jim Marburger moved to adjourn the meeting, second by Ed Dvorak. Motion carried. Meeting adjourned at approximately 7:30 p.m.



Mail Exchange Newsletters to:
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PICK & SHOVEL

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REPORTERS: ALL MEMBERS ARE ENCOURAGED TO
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**A SPECIAL THANKS TO THIS MONTH'S
CONTRIBUTORS: JIM MARBURGER, RICHARD
PETERSON.**

