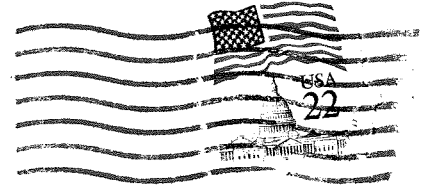
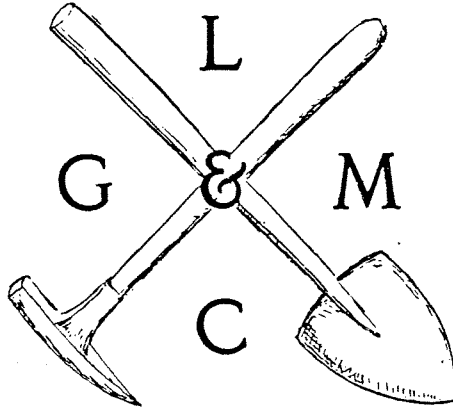


# THE PICK & SHOVEL



Lincoln Gem & Mineral Club  
Box 5342  
Lincoln, NE 68505



Ed Ridge  
2507 "A" St.  
Lincoln, NE 68502

LGMC CALENDAR

JUNE

1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30

Picnic, June 28, Bethany Park enclosed shelter, Cotner Blvd. and Vine St. Bring salads, desserts, and beverages. Hot dogs provided.

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JULY

1 2 3 4 5  
6 7 8 9 10 11 12  
13 14 15 16 17 18 19  
20 21 22 23 24 25 26  
27 28 29 30 31

Youth field trip, July 19. Meet at Edgewood Shopping Center, 56th and Hwy 2. Contact Jan Wright (488-1884) for more details.

July 12/13 and July 26/27 are probable field trip dates. See President's Message for more information.

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AUGUST

1 2  
3 4 5 6 7 8 9  
10 11 12 13 14 15 16  
17 18 19 20 21 22 23  
24 25 26 27 28 29 30

Ice Cream Social or Watermelon Feed, Aug. 23, Bethany Park. Bring Silent Auction donations. Proceeds will offset cost of foodstuffs.

Underwater Paleontological Project, Ogallala's Lake Mac. Volunteers please contact Phyllis (466-5440/476-6798).

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SEPTEMBER

1 2 3 4 5 6  
7 8 9 10 11 12 13  
14 15 16 17 18 19 20  
21 22 23 24 25 26 27  
28 29 30

State Show LGMC Display cases. Everyone is asked to loan a specimen for a group display. Contact Phyllis (466-5440/476-6798) by 9/2 to volunteer specimens. We also need someone to set up and/or tear down display--volunteers call soon!

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AT THE MUSEUM

Aug. 23rd, 2 p.m. Morrill Hall, Room 111 (auditorium). Lecture: "Safari with a Shovel: Excavating Nebraska's Big Game Animals." Features slides of Museum field crews digging for mammoths, camels, etc. Presented by Dr. Voorhies, Curator of Vertebrate Paleontology.

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1 9 8 6   S H O W S   &   S W A P S   F O R   Y O U R   C A L E N D A R

- July 19-20 Show. Loup Valley Gem & Mineral Society, Columbus, NE.  
East Hiway 30.
- July 19 Auction. Dell's Rock Shop, Aberdeen, South Dakota. 910 S.  
12th St. Equipment, rough and slabbed rocks.
- July 26-27 Swap. Humbolt, NE. City Park, south edge of town.
- Aug. 2-3 Show. Northeast NE Rock & Mineral Society, Norfolk, NE.  
N. 4th St. and Prospect Ave.
- Sept. 6-7 STATE SHOW. Kearney, NE. Buffalo County Fairgrounds Ag.  
Bldg.
- Sept. 13-14 STATE SWAP. Crawford, NE.
- Sept. 20-21 Show. Kimball, NE.
- Sept. 20-21 Show. Omaha, NE.

1986 REGIONAL SHOW SCHEDULE

- June 25-27 California Federation of Mineralogical Societies Show,  
Sacramento, CA.
- July 17-20 Midwest Federation/American Federation Show, South Bend, IND.
- August 8-10 Northwest Federation Show, Medford, OR.
- Oct. 25-26 Eastern Federation Show, Warwick, RI.
- Nov. 21-23 Rocky Mountain Show, Phoenix, AZ.

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This is The Special Summer Edition of The Pick and Shovel. To get the most out of it, post it where you'll see it often (on the refridgerator is a good place), highlight the activities you want to engage in (that should be all of them!), and read the entire bulletin once a month through September (when the next bulletin appears). Enjoy your summer--there's lots of rocks to find so find lots of rocks. We'll have a special display of Summer Finds at the September meeting!

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June 1986

SUMMER PICK & SHOVEL

Wed. May 14, '86

Dear Friends and Fellow Rockhounds,

As most of you know, I had earlier applied for a job at Fort Robinson's Trail-side Museum near Crawford, NE. A couple weeks back I received a call from the superintendent (Dave Nixon) asking if I was still interested in the position. I of course accepted the job. I am now the "Display Technician". I will handle the construction of new displays for the museum. I also will lead a weekly field trip to either the Agate Fossil Beds or Toadstool Park.

I arrived at Fort Robinson yesterday afternoon (Tues. May 13th) and will soon start early cleanup and regional field orientation. I was hoping to make it to the May meeting, but due the above reasons I had to leave earlier than expected. I hope to see as many of you as possible this summer; a Club field trip to Crawford would be very nice (unfortunately June is already booked full, but most of July is still open).

At this time I would also like to once again thank the Lincoln Gem & Mineral Club for the \$200. scholarship I received last spring. I am not going to use any of it this summer, instead I will set aside money from each paycheck to use for expenses during my field work. Good luck to all of you, and have a nice summer of rockhounding.

Sincerely  
Kevin Schwartman

P.S. I have also sent a copy of my Master's Thesis Proposal which has been accepted by the faculty of the Geology department. This will give you a good idea of what I will be working on the next year.



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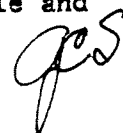
Greetings from the Sunshine Corner as "June is bustin' out"

That the birds of  
Worry and Care  
Fly above your  
Head, this you  
Cannot change,  
But that they build  
Nests in your hair  
This you can prevent



Chinese Proverb

We extended our get well wish to John Dugan in his recovery from his accident. We also offer our support to Marie and Lynn Wells in their concern for John.



PRESIDENT'S MESSAGE

Members and friends:

Let me begin on a personal note by thanking those of you who sent cards and well-wishes to my parents for their anniversary. A special thanks goes to all of you who celebrated with us. Also let me take a moment to congratulate J. D. and Myrtle Young on their 63 years together.

I also wish to thank all of you who have supported me throughout my 22 years as an LGMC member and 6 months of being our fine group's president. I regret that I will be unable to attend most of our fall meetings as my education has unexpectedly taken a turn towards the southeast--to Washington University School of Law in St. Louis, MO. I hope to return to Lincoln as much as possible and encourage all of you to visit the Ozarks and "Meet me in St. Louis!" My new address and phone number (starting in mid-July) is 4937 Pershing Place, St. Louis, MO 63108, (314) 367-5995. I am fortunate to have an older brother located at that very same address!

And now the important stuff. Our June picnic promises to be a fun one--I'm planning some special games to pass the time. We are low on activities for July, but I hope to have some additional fun trips available. The Bartel's Museum at Seward deserves our attention and I'd like to reschedule our pilgrimage to the Grotto at West Bend, Iowa. Keep your weekends of July 12-13 and July 26-27 open and call if you're interested in participating. Call now!

In August we will either be having a Watermelon feed or ice cream social and Silent Auction. Let's make this silent auction the club's biggest ever. September is an important month for Nebraska's rockhounds--the State Show (9/6-7) and State Swap (9/13-14) are one week apart with field trips scheduled in between. LGMC wants to have a special group display and your help is needed--contact Phyllis for more information.

Thank you.



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Minerals and Glass. Minerals are now commonly used for artificial coloring in glass. The addition of gold, ground into powder makes glass a bright red. Copper produces light blue and cobalt produces dark blue glass. Yellow glass may be a result of the addition of silver. Manganese, previously used to make colorless glass, is used in heavier proportions to make pink, purple or black glass.

--by Shirley Case, excerpt from the Rock Vein  
--via The Pyriter

JUNIOR/SENIOR PAGE

A Diamond Melts?! A diamond was melted for the first time at Cornell University. Like a lot of firsts, this happened accidentally. A laser beam was directed at graphite which was held by a diamond anvil to produce synthetic diamond. The operator accidentally ran the laser at an unusual high power, melting a furrow on one face of the diamond.

The furrow was raised and had smooth edges on its sides. The importance of this find is that it finally proves that carbon can exist liquid form under great heat and pressure deep within the earth.

- via Oregon Rockhound
- via Gemdrops
- via American River Currents

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ROCKHUNT!

E S P Y R I T E G P O G H O M R	mica	
Q T S H O V E L O I V R M S N I	marcasite	
R U S A E E G M E C R A I C U V	quartz	limestone
B D A R G G E A T K E N C H M E	brachiopod	lava
R E R R O R C K R H R I A I A R	pyrite	granite
A N U N T R A U N N E T C S R B	sandstone	schist
C T E A C Z C N N E E E A T C E	flint	AND MORE!
H S C C G O H M E N O T R R A D	crinoid	
I A R C Y O A M F L I N T S S S	sand	
O N I J P C L E V S H B G A I L	jasper	
P D N A S A K C A E U O O N T I	calcite	
O S O S U L H O T G N O E D E M	chalk	
D T I P M C U R R W A T S O G E	gypsum	
R O D E I I N A I R R T T Y O S	agate	
H N F R F T T L P I T T E R G T	garnet	
I E L O R E M A N L A U A O G O	coral	
N F L I N T C O M E S S P A L N	petrified wood	
P E T R I F I E D W O O D D E E		
E B O N Y F I E L D T S R S S M		

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ROCK RIDDLES!

- What do you call a hard beach?
  - What do you call a tree that has just seen a ghost?
  - What rock do you walk through?
  - What rock do you use to catch fish with long, thin noses?
- The answers are also in the rock list above.