



PICK & SHOVEL

INSIDE-----

Geology Day

Colorado Field Trip

March,
Volume 30

1990
No. 7

Lincoln Gem and Mineral Club, Inc.
P. O. Box 5342

Lincoln, Nebraska 68505

1990 ELECTED OFFICERS

President: Fred B. Holbert , 2822 S. 13th St., Lincoln, NE 68502	423-5639
1st Vice President: Gerald Moore , 2305 S. 35th St., Lincoln, NE 68506	489-4184
2nd Vice President: C. David Heffelbower , 1819 Washington St., Lincoln, NE 68502	475-4713
Secretary: Vera Lyman , 420 N. 56th St., Lincoln, NE 68504	464-6089
Treasurer: Phyllis Parks , 2435 So. 19th St., Lincoln, NE 68502	476-6798
Board Member: Francis Belohlavy , 1919 "K" St., No. 4, Lincoln, NE 68510	477-4337
Board Member: Roger Pabian , 315 "D" St., Lincoln, NE 68502	474-2034
Board Member: Sandra McNiff , 2542 Colonial Dr., Lincoln, NE 68502	483-1165
Board Member: Shirley Rockel , 1134 West Avon Lane, Lincoln, NE 68505	464-3059

NOMINATIONS COMMITTEE

3 Years: Kevin Schwartman, Chair.
James Null
Michael Smith
2 Years: Phyllis Parks, Janet Wright
1 Year: C. David Heffelbower,
Bill Rockel

LONG RANGE PLANNING AND BY-LAWS COMMITTEE

3 Years: To be announced.
To be announced.
2 Years: Kevin Schwartman
Jim Marburger
1 Year: Bob Wright
Linda Parks

STANDING COMMITTEES

Calling: Shirley Rockel
Education: Roger Pabian
Field Trips:
Historian: John & Lillie Lewis
Hospitality: Wilma (Billie) Heffelbower
Membership: Gerald Moore
Housing/Property: Jim Parks
Junior Activities: Janet Wright
Librarian: Jim Parks
Membership: Gerald Moore

MWF Liaison: Vera Lyman
Programs: Francis Belohlavy
Scholarship: Marie Taylor
Christmas Party: Billie Heffelbower
1989 Rockhound/Year:
Roger Pabian
1989 Show: John Harrison
1990 Show: Roger Pabian

AUDITING COMMITTEE, 1987-1988

Shirley Rockel
Don Phillips
Francis Belohlavy

YOUR PICK & SHOVEL STAFF

Publisher: Lincoln Gem & Mineral Club, Inc., P. O. Box 5342, Lincoln, Nebraska 68505
Editor: Roger Pabian
Business Reporter: Vera Lyman
Financial Reporter: Phyllis Parks
Circulation : C. David and Wilma Heffelbower

The Pick & Shovel is the official publication of the Lincoln Gem and Mineral Club, Lincoln, NE. Articles and items appearing within may be reproduced in other club bulletins provided that proper credit is given to the Pick and Shovel and the author, and that a reprint of the bulletin is sent to the editor of the Pick & Shovel.

CALENDAR OF EVENTS

MARCH MEETING: Saturday, March 24, 7:30 PM
 Nebraska Center for Continuing
 Education, 33rd & Holdrege.
 Scottsbluff Room

PROGRAM: USE OF SOIL SURVEYS FOR FIELD
 FOR FIELD COLLECTING
 By Francis Belohlavy

JUNIOR MEETING: 7:00 PM. Program to be announced.

COMING EVENTS: SALE: Lavern Karr Collection
 Doniphan, NE, March 31, 10:00 AM

SALE: Bud Plant Collection
 Hamilton Co. Fairgrounds, Aurora
 April 28, 10:00 AM
 See Feb. "Gem Palette" for sale details.

SWAP: Annual State Rock Swap
 Host, 100th Meridian Rock Club
 Lafayette Park, Gothenburg
 May 5, 6

SHOW: Tulsa Rock & Mineral Society,
 Tulsa, OK, October 27, 28, County Fairgrounds

REGIONAL SHOWS:

CALIFORNIA	EASTERN	MIDWEST	NORTHWEST	ROCKY MOUNTAIN	SOUTH CENTRAL
Ventura, CA June 28-July 1	Landham, MD Aug. 10-12	Evansville, IN July 19-22	Boise, ID June 22-24	Roswell, NM Sept. 28-30	Pasadena, TX Feb. 16-18

ADD TO WHO'S WHO: Richard Hornung
 Rte. 8 68526 423-4198

Ed & Connie Whyrick, Aaron & Adam
 3940 Washington 68506 483-1737

Jonathan & Joseph Quinn
 3430 Pawnee 68506

FUTURE MEETING DATES, PLACES: April 28, 1990. Nebraska Center
 for Continuing Education, 7:30 PM
 Norfolk Room.

May, 19, 1990. Time and place to be
 announced. Dessert supper night.

DISPLAY MATERIALS Bring items that relate to March (Aquamarine,
 Bloodstone) or any other beryls or non-crystalline
 forms of silicon dioxide (jasper, flint, etc.)

PRESIDENT'S MESSAGE

FITNESS FOR THE ROCKHOUND:

Well, this is going to be the year that we finally do something about it - physical conditioning that is. Each year about this time we talk to ourselves about the effects of creeping age. But then we get caught up in all the demands of life. We somehow never get around doing anything more about the problem than putting off the solution until some other time. The result is felt later in the year while rock collecting. Stalking the wild agate on the roads becomes more tiring and climbing up the steep Nemaha River banks from the gravel bars gets downright arduous. The challenge of the back nine holes at the golf course is one of survival, not scoring. The old football wounds reappear along with many new ones.

So this year we made the commitment and started the search for an indoor exercycle and a sport/fitness bicycle. While visiting our son in Omaha, my wife and I took him to inspect the wares on a neighborhood cycle shop. I inquired as to whether they had in stock a particular model of an Italian bicycle by Bianchi. Out they wheeled the handsome specimen painted in the manufacturer's soft green racing colors. After a quick trip to the shop for some adjustments, we were offered a ride on this vision of speed.

We momentarily demurred, as we explained that except for a few test drives in our driveway after repairing our children's bikes, we hadn't ridden a cycle in twenty years. I certainly didn't want to wreck this multi-hundred dollar machine on busy Omaha streets. Our host assured us that a safe ride could be had on the sidewalk around the block. After cursory instructions as to the operations of the shifter, derailleurs, and brakes, we were sent blissfully on our way.

Right away the uneventful happened - nothing. We were riding on a level well-maintained walk, working the three chainrings and meshing the chain with the seven cog wheels on the freewheel cassette. The toe clips (strap cages which restrain the toe on the pedals) were obviously not sized for feet as large as those now wedged into them. We upshifted and downshifted through many of the 21 gear combinations, sensing the silky smoothness of the Shimano components. A feeling of power and a touch of cocky, overconfidence had crept into our attitude. What could be simpler?

(The reader would be better served at this point if they will review the bicycling films: "Breaking away" and "American Flyer")

The uneventful became eventful as we turned the corner. Suddenly the grade fell away dramatically. The advertised low rolling resistance of the wheels and tires became evident with the ever increasing speed.

Without warning - ti di di da dum, ti di di da dum, ti di di da dum, da da dum, da da dum; the thundering quick tempos of Rossini's overture, "The Thieving Magpie" have become part of my psyche. (Any reader not familiar with this Italian piece may recall the driving rhythms of Rossini's "Barber of Seville" or the finale of "The William Tell Overture")

We have now accelerated to about 10 parsecs per second - ti di di da dum. Careful, at this rate we'll collect rocks imbedded in our face. A furtive glance is made over the shoulder. The racing colors of the CinZano team are nowhere in sight - ti di di da dum.

Has that sidewalk square in my path been heaved up by a tree root? Is that garbage strewn across the walk on the other side of the heaved walk? Are the brakes as good as they assured us? Squeeze the brake lever evenly. Really squeeze the brake lever. STAND ON THE BRAKE LEVER! Jog left - watch the pieces of broken glass - jog right.

No sweat - ti di di da dum.

The bike is back up to speed - ti di di da dum - more broken glass - touch the brake - snake through the glass shards. Watch the garbage on the right - squeeze between the mess and the retaining wall. Don't think about how much it would cost to have to replace the bike if wrecked! Slow down for the corner.

Turn right and finally we're on level ground again. Upshift and churn at the pedals. Watch out for more broken glass. No sign of the Seven/Eleven team - ti di di da dum. Pour on the coals. Increase RPMs - ti di di da dum.

Turn the corner to the right for the last leg home - TI... DI... DI... DA... DUM..., its uphill - hurry downshift - increase rev's to maintain cadence - ti di di da dum. Do we have a winner here? Groan - puff- we should have overloaded on complex carbohydrates before attempting this folly; eaten our fill of "eenie" food (as in linguini and spaghetti).

Suddenly, something tugs at our right leg. Cripes, where did the dog come from? We look down to see the teeth of the chainring clutching our pant leg, not a vicious dog. Now we remember why we used to roll up our pantleg so many years ago. We are rapidly losing momentum and balance. Something has hold of our left foot and we are falling. The wedged left foot will not eject from the toe clip. Superhuman effort dislodges the pant leg. Can't get the right foot back in the toe clip. Heck with the toe clip, pedal on the underside of the pedal. Downshift - pedal - furiously pedal - increase momentum - regain balance. Put foot back in toe clip. Don't even think about congratulating yourself. (Have we lost our taste for Italian music???)

The top of the hill is in site at the corner. As we pass behind a woman waiting for a bus, she decides to back up into our path. We veer right to elude her. We pass through a corridor formed at the corner of a building by a store entrance on the right and a metal pole supporting the corner of the second story on the left. (No Italian music!)

We spot our bike shop entrance a short distance away. As we pull up in front of the store in full view of several seasoned bicycle veterans, we again remember to late that our toes are semipermanently grafted to the pedals. Again, disaster is narrowly averted as we manage to extract one foot from a clip and a few knowing smirks from the admiring audience. (Hate Italian music!!!)

We are now thinking about getting an American bike made in Waterloo, Wisconsin. Two things bother me about that, however. We can't bring ourself to think about the significance of the word, "Waterloo" and what music could inspire us while biking?

"ON WISCONSIN, ON WISCONSIN" (Doesn't seem to work!)

GEOLOGY DAY

By Phyllis Parks

SUCCESSFUL 'Geology Day' held from 1 to 4 PM on Sunday February 18, 1990, at Chet Ager Nature Center in Pioneer Park.

Plaudits to our Education Chairman, Roger Pabian, who once again encouraged Lincoln Gem & Mineral Club Members to share some of our favorite displays, expertise and interests with many visitors to the Center.

Club members Roger Pabian, David Heffelbower, John Harrison, Ed Ridge, Jim Parks, Mike Smith, Jim Null, Charles Wooldrege and Kevin Schwartman brought displays and were joined by Francis Belohlavy, Shirley & Bill Rockel, Phyll Parks, Jan Wright and Fred Holbert to share thoughts with the interested guests. Also noted were junior members Adam Whyrick, Aaron Hames and parents.

Special thanks go to John Harrison who provided a box of tumbled specimen for the visitors to browse through and pick a prize.

Of special interest and appreciation to Mrs. Marvin Closter of Cortland, Ne. who contributed some Ramshorn Fossils from Austin, Texas; some Apache Tears, and Calcite after Glauberite Crystals from Arizona for the young people to take. Mrs. Closter had gathered these specimen herself and wanted to share.

"Geology Day" is truly becoming a must for winter club activities as more and more people participate and enjoy the special atmosphere and attractions of Chet Ager Nature Center and the many visitors who welcome our participation.


--- and more

February 27, 1990

Dear Dr. Pabian,

I want to extend my thanks to you and members of the Lincoln Gem and Mineral Club for participating in the Geology Day at the Chet Ager Nature Center. Sunday, February 18th. Kevin reported back to me that we had a good turnout and felt that the afternoon went well. Judging from all the inquiries I had prior to the day, there seems to be a real interest and need for such an event. I appreciate the club's willingness to help out in Nature Center programming. I hope you and the club will be interested in continuing the tradition of an annual Geology Day. Please feel free to call me if you have any comments or suggestions for the program.

Sincerely,



Carol S. Crosby
Coordinator of Education
and Interpretation

LINCOLN GEM & MINERAL CLUB, INC.

Balance Sheet December 31, 1989

ASSETS:

Cash on Hand		20.00
Nat'l Bank of Commerce Checking		1226.12
Nat'l Bank of Commerce-Money Market Account		2557.99
Nat'l Bank of Commerce-Long Term Cert.Dep.		15000.00
First Federal Savings/Loan-Money Market		431.36
First Federal Savings/Loan-Cert.of Deposit		5000.00
U.N.L.Foundation Scholarship Deposit for '90		300.00
Account Receivable (P & S adv.1989)		40.00
* 1990 Expenses paid in advance		638.17
LGMC Pins & Patches on hand		38.75
Equipment	1820.92	
Res.Depr.Equip.	- <u>1756.98</u>	63.94
Show Cases (16 Gless)	1210.38	
Res.Depr.Cases	- <u>1210.38</u>	.00
	Total Assets	<u>25316.33</u>

LIABILITIES:

Advance '90 Member Dues		225.00
Advance Dealer Fees for '90 Show		1725.00
AFMS Scholarship Fund Collections Balance		43.85
Nebraska Academy Fund Balance		16.80
LGMC Scholarship/Education Fund		63.25
U.N.L.Geology Scholarship Fund Donation		25.00
Memorial Fund (Tod Ashmun)		100.00
* Junior Activities Balance on Hand		278.23
Suspense 1989 Sales Tax Payable		198.41
* Suspense items payable		22.56
Net Worth	21668.58	
1989 Gain	<u>949.65</u>	<u>22618.23</u>
	Total Liabilities	<u>25316.33</u>

* Separate Reports

Sturley M. Prockel
Gerald E. Moore
[Signature]

LINCOLN GEM & MINERAL CLUB, INC.

1989 Operating Statement December 31, 1989

INCOME:

1989 Membership Dues & Registrations	480.00	
** 1989 Annual Show Gain	2381.37	
* 1989 Interest on Savings	1432.25	
January Swap Surcharge on Bucks	<u>76.65</u>	
Total Income		4370.27

EXPENSES:

* Dues to Organizations	178.90	
Memorials &/or Curtesy	30.00	
Scholarships presented in 1989	300.00	
* Social Hour	367.64	
Rent for Meetings	350.00	
Rent for Storage Unit	360.00	
P.O.Box Rent & Bulk Mailing Permit	99.00	
* Pick & Shovel Net Expense	1177.56	
* Miscellaneous Expense	<u>557.52</u>	
Total Expenses		3420.62
Net Operating Gain for 1989		949.65

* Separate Reports

** Separate Sheet

1990 Expenses Paid in Advance-

'90 Show Bills	97.64
'90 Deposit Pershing	300.00
January Swap	21.63
3 months Storage	90.00
'90 Dues-Organizations	<u>128.90</u>
	638.17

Junior Activities Fund -

Balance 1-1-89	63.23
January Swap	4.00
Proceeds at '89 Show	41.00
Memorials J.D.Young	<u>190.00</u>
	298.23
Expenses	- 20.00
Balance 12-31-	278.23

Suspense Items Payable -

Member Gem Palette Subs	16.00
'89 Bills to pay 1990	<u>6.56</u>
	22.56

1989 Interest on Savings -

First Fed.Cert.& Money Mkt.	371.98
NBC Money Market	100.27
NBC Cert.Deposit	<u>960.00</u>
	1432.25

Refreshments at Meetings -

General Meetings	183.47
Anniv.Cake/Decor.	42.50
Show Set Up Day	42.84
Christmas Decor/Fav.	<u>98.83</u>
	367.64

Miscellaneous Expenses -

Officer Performance Bond	100.00
Corp. Fee	20.00
'88 Awards	55.33
'89 Awards	59.71
Programs at meetings	111.95
Jan. Swap	49.43
Historian Book	11.58
Study Group Mailings	15.93
Postage Pres.Mailings	6.00
Repair Sec.Typeewriter	49.00
Secy.copies,mailing,misc.	26.85
Treas.copies,post.,rct,book	<u>51.74</u>
	557.52

Dues to Organizations -

Midwest Federation	96.00
Nebr.Assn.Earth Sci.Clubs	32.90
Friends Museum	<u>50.00</u>
	178.90

The Pick & Shovel -

Expenses- Mailing	250.50
Printing	846.70
'89 Who's Who	10.79
New Stapler	104.97
Misc.Exp.	<u>9.60</u>
	1222.56

Income- Adv.8 issues	40.00
Subscription	<u>5.00</u>

Net Expense 1177.56

LINCOLN GEM & MINERAL CLUB - 1989 Show Financial Report

Incomes -

Retail Dealer Space	3500.00
Demonstrator Space	90.00
Gate Receipts- Sat.	2144.00
Sun.	<u>1574.50</u>
	3718.50
Miscellaneous-	
Sapphire Dig	221.45
Rock Races	32.30
Int.3mo.C.D.	<u>52.32</u>
	306.07

Total Incomes 7614.57

Expenses -

Rental - Floor	1800.00
Drapes	97.20
Table	<u>19.50</u>
	1916.70
Purchase used cases (9)	295.00
Security	288.00
Insurance	275.00
Table Cover & Tape	137.22
Misc. Floor Expense	38.93
Publicity-	
Flyers/Postage	111.47
Discount Cards	126.84
Media	<u>862.27</u>
	1100.58
Sapphire Dig	234.58
Rock Race Expense	32.65
Program Lectures	150.00
Competition Cases	75.00
Recognitions	87.24
Hand-out Programs (1500)	81.23
Dealer Chairman Exp.	24.66
Curtesy Buffet Dinners	298.00
Sales Tax (based on Gate)	<u>198.41</u>

Total Expenses 5233.20

Net Gain on Show \$ 2381.37

Junior Activities at show \$41.00

Fossil Dig for LGMC Schol. 14.03

Shirley M. Pockel

Shirley M. Pockel

President Fred called the meeting to order. In the absence of the secretary, no minutes were available.

Roger Pabian moved and David Heffelbower seconded that we accept the treasurer's report as presented. Carried.

David reported that the lost stamps had been found under snow in his yard.

Bills were presented - both those that had previously been approved as well as new bills. Jerry Moore moved that we allow all bills except the \$300 Scholarship Fund which will be handled separately. Roger seconded this motion. Carried.

David moved we make a recommendation to membership for approval of the \$300 Scholarship Fund. Jerry Moore seconded. Carried.

President Fred requested that we check further into the insurance, checking various premiums to the amount of \$25,000 rather than the stated \$7,500 as well as various deductibles verses the premiums in the effort of defining a good option for our organization.

OLD BUSINESS:

PAST DUE MEMBERSHIPS:

President Fred made and executive decision to extend our dues deadline date to March 18, 1990. Roger will put a statement to that affect in our upcoming Pick and Shovel.

JUNIOR MEMBERSHIPS/JUNIORS OF NON MEMBERS: DISCUSSION:

If a child wants to become a member the child must have a sponsoring adult member. Sponsoring should be taken very seriously. Non member parents should sign a waiver to give permission for child joining the Club. Sandy McNiff suggested a form be created to be signed by the adult sponsor stating the duties of a sponsor. Possibly, the number of children being sponsored by one individual should be limited. President Fred will check further regarding this issue with the Junior leader, Jan Wright.

1. President Fred will discuss with Jan the issue of dropping the age to a lower level.
2. Parents and adults who sponsor should sign a waiver.

These issues will then be voted on at our February General Meeting. If this is approved, a form will be drafted. If the sponsors do not approve, we can drop their membership and refund the dues paid.

L.G.M.C. Treasurer's Report January 1990

NBC Checking 1-1-90 \$ 1229.12

Receipts:

Membership Dues	431.00	
New Member plus registration	15.00	
1990 Show Dealer Deposits	225.00	
1990 Swap Silent Auctions (3)	46.50	
1990 Swapper Surcharge	70.60	
Donation LGMC Scholarship (wheel provided by Betty & Bill White)	35.77	
Suspense Gem Palette Subs	14.00	
		837.87

Payments:

Secy. Expense	12.86	
'90 Swap Flyers	10.55	
'89 extra mailing exp.	3.32	
'90 Swap expense	.84	
Lincoln Postmaster-500 precanstamps	83.50	
" " -replace lost roll	83.50	
Acct.Pay-'89 - State Sales Tax	198.41	
1990 Anniversary Cake & Service	30.24	
		423.22

NBC Checking January 31 1990

\$1652.77

NEW BUSINESS:

Roger moved that we contribute \$25 to the Endowment Fund of the Midwest Federation to be sent to Wisconsin Geological Society for presentation at the Midwest Federation Show. David seconded. Carried.

State Meeting delegates are Phyllis, David Heffelbower, Jerry Moore and Shirley Rockel. Alternates are Bill Rockel and President Fred. The meeting will be held on March 18 at 11:00 a.m. The Board Meeting will be held at 9:00 a.m.

We are sorry to hear that our Club librarian has submitted his resignation tentatively set for May. We need someone to

replace Jim Parks' position. This position will entale a person with enough space to accommodate the library. This must be a place that is dry with no danger of dampness or water seepage.

Jerry Moore reported that the Andy Zarins Family and Gordon H. Miller are prospective members. David moved we accept these as new members. Roger seconded. Carried.

David H. reported that the Swap sur charge on the swapper bucks was \$70.60.

SHOW REPORT:

President Fred reported that Mr. Fowler has confirmed that he will be our final dealer. He does wire wrapping. We now have our 14 dealers confirmed. Ed Junkers has given a verbal confirmation as a demonstrater.

Roger is drafting a letter to be sent to all clubs with blyers and applications for display space. These are to be returned to John. He is also including information regarding the banquet after the Saturday evening show closes. Meals are \$7.50 again this year per person.

Derrick from the Pershing Auditorium has confirmed that he will post the information on the lighted sign. The information will also be announced on TV.

With no further business at hand, the meeting adjourned.

Shirley Rockel, Acting Sec.

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - Feb. 24, 1990 7:30 P.M.

NE Center, Scottsbluff Rm

SCHOLARSHIP PRESENTATION NIGHT:

President Holbert called the meeting to order. Minutes of the previous meeting and the treasurer's report were both approved as read.

Hospitality reported 33 adult members present and 5 guests.

OLD BUSINESS: Change in By-Laws

Request had been made to change age limit of Junior member whose parent/s were not members, with signing of parent/sponsor waiver.

Change passed by unanimous voice vote. No nays.

NEW BUSINESS: Librarian

Charles Woodridge has accepted the position as new Club Librarian. The address is 836 S. 31st Street. His phone # is 475-9034.

BONDING CHANGE: Liquid assets exceed coverage on Officers' Bond.

JUNIORS: Jan Wright Chairperson. J.D. Young Memorial Fund.

Instead of leaving money in Jr. account, would rather make educational display as traveling museum. (For now to be housed at Children's Museum.)

Theme at Show for Juniors: "How To Set Up A Display". Any ideas, please call Jan.

AUDIT: Committee member Shirley Rockel reported that the books are in order.

MEMBERSHIP: Chairman Gerald Moore reported the following new members:

Gordon H. Miller

Andy & Barbara Zarins

EVENTS: Geology Day - Feb. 18

Roger P. reported good participation (15 people).

Several visitors interested in Crystal growing projects for Science Fairs.

Encounter Center, Morrill Hall - Feb. 25

Program on Quartz Family Minerals by Roger. Slide Show on Agates by Andy Zarins.

SHOW: Roger Pabian, Chairman

Dealers all contracted. Need workers on set-up Day. No personal displays permitted until mid-afternoon. Need lots of exhibits; Gerald Moore requesting amount of needed space for your exhibit. Help needed with ticket sales.

Green Rock Contest: Since 1st day of Show is St. Patrick's Day. \$ 25.00 gift certificate to winner at dealer of his choice.

SCHOLARSHIP: Motion by Roger Pabian, 2nd by Tom Simmons for approval of \$ 300. to Scholarship Fund at UNL Foundation for 1991. Motion carried.

SCHOLARSHIP PRESENTATION: Marie Taylor Chairperson.

Marie introduced Dr. Durrance. He thanked the Club for their generosity and continued support of geology students through scholarships donations. Carrie Herbel and Chris Rudnick were each introduced and presented with a check for \$ 150.

Carrie presented her MS thesis project on "Taphonomy Of Fragmental Layer" and thanked the Club.

Then Chris presented his MS thesis project on "A Field Test Of Small Fossil Mammals", (Little Mouse On The Prairie) and also thanked the Club.

Our special thanks to both Carrie & Chris for their fine presentations.

The evening adjourned with coffee and cake.

Respectfully,

Vera Lyman

Vera Lyman, Secretary

FROM YOUR LIBRARIAN

By Jim Parks

Thanks to Mike Smith for the addition to the club's library of:

Color Dictionary of Minerals & Gemstones by Michael O'Donoghue.
Printed in Czechoslovakia.

The World of Fossils by Giovanni Pinna. Printed in Italy,

Masterpieces from the House of Faberge edited by Christopher Forbes. Printed and bound in Japan.

Special thanks to Kevin Schwartman for the copy of his Master's Thesis A Geological Study of the Bioturbated Lower Whitney Ash Bed (Oligocene) near Chimney Rock National Historic Site, Western Nebraska.

A belated thanks to Roger Pabian for the guidebook Late Pennsylvanian and Early Permian Cyclic Sedimentation, Paleogeography, Paleocology, and Biostratigraphy in Kansas and Nebraska compiled by Roger and R. F. Diffendal, Jr. for a pre-meeting Field Trip for the 1989 annual meeting of the Geological Society of America held in St. Louis, Nov. 6-9, 1989.

Please note that the club library will be moved in the near future to the residence of Wharles Wooldridge, 836 So. 31st St., Lincoln, NE 68510. Phone: 475-9034. The address appears incorrectly in your "Who's Who."

SUNDAY WITH A SCIENTIST

By Roger K. Pabian

On Sunday, February 25, the University of Nebraska State Museum hosted one of its "Sunday with a Scientist" series in which I was the featured scientist. The topic of my presentation was quartz family gems and minerals. The topic proved to be very popular with lay audiences and they were given the chance to see and touch many examples of the various forms that quartz may assume. It was enjoyable to show people that quartz was even a greater impostor than Tony Curtis. Numerous examples of crystalline (rock crystal, amethyst, citrine), crypto-crystalline (agate) and non-crystalline (cherat, flint, jasper) were shown and all were explained to be forms of silicon dioxide.

In addition to the demonstrations, Andrejs Zarins presented a well-attended lecture on North American agate occurrences that included not only his slides from West Texas, but pictures of agates from Nova Scotia to Oregon to California, Mexico, and most other major as well as some minor occurrences on this continent.

The afternoon also gave the public a chance to bring in examples of quartz that they had at home. Perhaps the singly most interesting specimen was brought in by a young lady who stated that the slightly water-worn, zoned, clear and smoky crystal was found on the South Fork of the Big Nemaha River in Richardson County.

The visitors seemed to enjoy enhydro agate and enhydro quartz and iris agate the very most but some were taken aback with plume agate.

Although busy throughout the presentation, several club members including the Heffelbowers and Eddie Ridge were seen in the audience.

MID-COLORADO FIELD TRIP**By Don Phillips**

(Continued from February, 1990.)

To get to the next pegmatite collecting site, follow the Forest Service road west until it rejoins U. S. 24. Continue west on U.S. 24 for 1/2 mile. Carefully look across the creek and midway up the hill to the South. You will see tailings from another pegmatite mine. This is the Crystal No. 8 Mine and it is on Forest Service property.

You will have to leave your vehicle parked just off the highway as no roads lead into the site. Descend the embankment, cross the creek by use of one of the beaver dams, and climb the hill to the site. Material at this site is much the same as at the other pegmatites except that deep green fluorite and red and brown, non-gem quality garnets have been found here.

The Crystal No. 8 Mine is the last pegmatite to be described in this article. However, it must be remembered that this region contains many more pegmatites and with some research and searching may produce other fine collectible material.

If gem-quality garnets and topaz are of interest to you, then the next stop is a must. Though these minerals are not large (approximately 1/4 in.) they still make very fine specimens. Leaving the Crystal No. 8 Mine, continue west on U.S. 24 towards the town of Buena Vista. Prior to crossing the Arkansas River and going into Johnson Village, you will see a dirt road leading to the South. Take this road and follow it towards the two joined mountain peaks to the southeast. The furthest peak is called Ruby Mountain and is your destination. The road will pass at the foot of the west face of Ruby Mountain. The face is too steep to climb here, so continue until you get to the southeast side, where access is much easier.

The garnets and topaz will be found lining cavities in the rhyolite which makes up the mountain. Rhyolite is a fine-grained, felsitic igneous rock, a volcanic equivalent of granite. Most of the material is found toward the upper portion of the mountain. Other minerals that have been found here include marekanite, smoky quartz, and sanidine crystals. Obsidian pellets have also been found here too.

If you are attracted to metallic minerals, this region has a great abundance and variety of these. Gold, silver, galena, hematite, molybdenum, zinc, manganese, and pyrite are just a few.

Most of the above materials have been found in all of the mine tailings surrounding the towns of Leadville and Fairplay. Leadville is 37 miles north of Buena Vista on U.S. 24, and Fairplay is 18 miles north of Hartsel on Colorado 9.

No field trip is complete without checking into the local rock shops. There are two that are very good and have fine specimens of local material. Both have also given me valuable information on collecting sites and materials that have been found.

One of the shops is located south of Buena Vista about 12 miles on Highway 285 and is called the "Prospector." The other is located in Leadville and goes by the name "The Rock Hut."

I would not feel right in closing this article without making a statement about what is happening to many good collecting sites in Colorado and elsewhere. Many sites are being closed down to the private collector. There are many reasons, but the greatest is caused by the collectors themselves. There are specimens never to be collected again due to carelessness and destruction caused while people were at these sites. So, please, when collecting, respect the property of others and follow the American Federation Code of Ethics. Help keep the remaining sites open for your and others' future enjoyment.

FROM EVVY



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2/12/90

HI LINCOLN GEM & MINERAL CLUB:

HERE IT IS THE 12 TH OF FEB. AND LOIS & I ARE ABOUT READY TO GO AND TAKE A SWIM. WE HAVE ENJOYED THIS WINTER DOWN HERE AND HAVE DONE ONE OF OR TWO GEM SHOWS. WE DID THE ONE AT PHARR AND NOW NEXT WEEK WE DO HARLINGEN.

MY REASON FOR WRITING TO YOU ALL IS THAT WE HAVE AFTER LONG DISCUSION'S AND TALKING IT OVER WITH OUR CHILDERN AND THINKING ABOUT PLUS TRYING TO FIGURE OUT HOW TO DO IT... THAT IS TO SELL OUT OUR ROCK SHOP. WE KNOW THAT IT IS TO MUCH FOR ONE PARTY TO BUY PLUS IT WOULD TAKE A FAIR AMOUNT OF CASH TO HANDLE IT. SO WE WILL BE SELLING IT OUT IN LOTS OR PARCELS. WE HAVE ALREADY SOLD THE MACHINERY.. THEN WE HAVE A BUYER FOR OUR OWN PRIVITE COLLECTIONS. BUT WE STILL HAVE A LOT TO SELL.

THIS HAS BEEN HARD FOR US AS YOU CAN WELL UNDERSTAND. WE HAVE BEEN ACTIVE DEALERS IN THE GEM & MINERAL BUSINESS FOR ALMOST 35 YEARS. SO JUST TO UP & SELL OUT IS KINDA A SAD EXPERINCE FOR US. BUT WE FEEL WE HAVE TO DO IT.

SO THIS SPRING WHEN WE GET HOME WE WILL BE LETTING YOU ALL KNOW THE TIME WE ARE READY. WE HAVE LOTS OF SLABS#. LOTS OF MINERALS... LOTS OF ROUGH... LOTS OF FL'S. SOME THAT WE HAVE HAD FOR YEARS & YEARS. SOME OF THE ITEMS ARE NOT EVEN ON THE MARKET ANYMORE. AS IN THE PAST WE WILL DEAL FAIR WITH EACH ONE OF YOU AND WILL GIVE YOU THE BEST PRICE ON ANYTHING YOU BUY. NOW PERCHANCE THERE IS SOME ONE WHO WILL BE ABLE TO HANDLE IT ALL, OR THAT CAN TAKE LARGE LOTS WE WILL SELL BELOW WHOLESAL.

WE WILL BE SELLING OUR SHOW CASES... LITES... COVERS... OR ANY PART OF IT. WE ALSO HAVE ON HAND LOTS OF SUPPLIES.. SILVER SHEET.. BEZEL... FACET ROUGH... PLUS SOME LARGE AND UNUSAL SPECIMENS. THEN WE HAVE A LARGE AMOUNT OF FACET ROUGH.. THIS WE HAVE HAD FOR YEARS AND LOTS OF IT IS GETTING HARD TO GET.

SO LOOK FOR OUR FLYER IN THE MAIL WHEN WE GET HOME AND BE SURE TO PLAN ON COMING OUT TO SEE WHAT WE HAVE FOR SALE. THIS WILL BE A CASH ... CHECK... OR CREDIT CARD SALE.

WE WILL NOT HAVE ANYTHING ON CONSIGNMENT.

ROCKSPECTFULLY

"EV" & LOIS

CARD OF THANKS

Dear L. S. M. C. Board and Members,

Thank you so much for the memorial for Gilbert. Since the check was made out to me, I have endorsed it to the L. S. M. C. Juniors and forwarded it to Janet Wright, to use in some way for them.

Gilbert was always very much concerned that the young people learn about the beauties of our earth and of our universe, and had great admiration for what is being done in the L. S. M. C. Juniors and Mineral Club for the Juniors.

Sincerely,

Sharon M. Lueningbauer

To thank you for
your kindness and sympathy
at a time when it was
deeply appreciated

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Advertising by a rock-hobby business or interest is permitted with the approval of the Board, at a rate now set at \$15.00 per full page per insertion, paid in advance.

1/2 page, \$7.50; 1/3 Page, \$5.00; 1/4 page, \$3.75 (Min). These ads will be placed throughout the bulletin as space permits.

Subscriptions to the PICK & SHOVEL ARE \$10.00 per year mailed.

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

Adult membership fee \$10.00 (age 16 and over)
Junior membership fee \$2.00 (age 12-16)
Family membership fee \$22.00 (husband, wife, and
all children under 16---permanent
residents of household).

New memberships must be approved by the Board, after applicant attends at least one (1) regular meeting of the club, and pays the above dues plus \$5.00 registration fee.



h.e.l.p.

HELP ELIMINATE LITTER PLEASE!

MAIL ALL EXCHANGE BULLETINS TO:

Lincoln Gem & Mineral Club
BOX 5342
Lincoln, Nebraska 68505-0342



Edward Ridge