

Regular Meeting: April 24, Nebraska Center Continuing Education, 33rd & Holdrege Streets at 7:30 P.M.

Program: The Pleezy Dig-A slide program, (tape narrated by Gene Eno in 1964), shown by Ralph Ulrich, (both of whom were in the original crew) from this most famous club event **-a really special field trip!**

Youth Meeting: All Youth need to bring a list of times they will be available for **field trips** this spring. Anyone who has ideas for, or would like to lead a field trip please let us know! Please bring new finds and purchases to the April meeting at 7:00 P.M., April 24. Plan to stay and watch "Pleezy" a very special field trip.

MAY regular meeting: Sat, May 22, 7:30 P.M., **A Dessert Extravagansa**, coffee & tea provided by club and desserts by **YOU!**
Antelope Shelter House near 29th & A streets, call for directions if needed.

NAOESCI SHOWS FOR 1993

Northeast Gem & Mineral Club, Norfolk	May	8- 9
Grand Island Earth Science Club; Swap	June	5- 6
Homestead Gem & Mineral Club, Beatrice; Swap	June	19-20
STATE ROCK SWAP; Stanton Co. Fairgrounds, Stanton	July	24-25
Ft. Kearney Gem & Mineral Club; Swap	Sept.	6- 7
Omaha Gem & Mineral Club; Show	Oct.	2- 3
Grand Island Earth Science Club; Show	Oct.	16-17
STATE SHOW; Ft. Kearney Gem & Mineral club	Nov.	6- 7

Regional Show Schedule 1993

So. Central Fed. June 17-19, Arlington, Texas

California Fed. June 25-27, Ventura, California

Northwest Fed. July 23-25, Mt. Vernon, Washington

Eastern Fed. July 30, 31, Aug. 1, Hampton, Virginia a

Midwest Fed.-Field Trip Conv. Aug. 8-15, Houghton, Mich.

AFMS-Rocky Mt. Fed. Sept. 16-19, Denver, Colorado

New Members April 1993 (or reinstatement). Please **welcome** them and add the names & addresses to your '93 Who's Who-.

Anderson, Avery (Jack)	611 No. 56th	Lincoln, NE 68504	464-4476
Atkins, Jim & Heather	941 O St., Suite 102	Lincoln, NE 68508	438-2434
Darling, Ben	3435 So. 36th St.	Lincoln, NE 68506	488-2395
Erlewine, Joshua (Whyrick)	3845 Garfield	Lincoln, NE 68506	483-5255
Fixter, Robert	1805 Sumner	Lincoln, NE 68502	476-1885
Hames, Beverly	2765 Rathbone Road	Lincoln, NE 68502	474-6298
McNiff, Russ (from Jr.)	2452 Colonial Drive	Lincoln, NE 68502	483-1165
Ohlman, Doug	2208 Southwood Place	Lincoln, NE 685	420-1624
Notaro, Anthony (Shirley)	1134 West Avon	Lincoln, NE 68505	464-3059
Woita, James	6112 Seward Ave.	Lincoln, NE 68507	466-1968
Wooldridge, Debby (Mrs. C.)	836 S. 31st St.	Lincoln, NE 68510	475-9034

YOUTH NEWS

Most young rockhounds that attended the gem and mineral show did not go home empty handed. The free fossil dig had many participants. Late Sunday afternoon large ammonites were found. The busy workers from the youth booth were even enticed to make new discoveries. These rock sleuths hadn't noticed ammonites in the dig material before!

Was there a reason for a few Cheshire smiles from the Geology Club's Gem Dig Booth?

Almost all junior members and families helped staff the youth activities. Janelle and Brett Jurgens helped during the whole show. When they weren't busy at our booth they were helping with the rock races or making public announcements. The Jones family from Omaha made the trip down to help all three days! Thanks to the many families and friends who helped create an enjoyable as well as educational experience for others!

Many other adults helped the youth booth be successful. Ed Whyrick appeared with some wonderful display cases that were filled by show time with youth exhibits. Pete Crawford and Ren Rieur helped make the black light display possible. Roger Fabian again donated the ever popular Brazilian agates. Bill and Betty White brought the wheel from Missouri to spin and agate ends. The Wooldridges contributed plastic bags for small specimens and a great assortment from rough to finished. Petrified wood was given by the Dwight Millers and a container of fossils came with Mr. Moore. Jan Wright, our Sunday Scientist also brought material for us to use as well as sharing her knowledge! Thanks to all!

Dear Lincoln Gem and Mineral Club Members,

Thank you for selecting me as "Rockhound of the Year". I enjoy all the activities that our rock club has. I try to do them all because they are fun, not for an award. The plaque is really impressive. I was surprised!

Thank you,

Emily Rieur

---Geology Day---as told by Emerson Wooldridge and Rennie Rieur-----

Boy was Geology Day great! The grown-ups thought 155 participants weren't that many, but we thought it was perfect to keep them busy while we had fun. The fossils stood around and talked rocks. Not only did we get to look at rocks and old fossils, but we were able to pet snakes and turtles at the nature center. When we went outside on our own field trip our parents came looking for us. They were afraid we were in the parking lot. You would think they would know rockhounds go exploring in the hills, not asphalt pavement!!

YOUTH LAPIDARY CLASSES

Lapidary classes being taught by Grant Quinn are being enjoyed by six junior members. Most of them have finished obsidian cabochons. They have chosen different agates for a variety of projects. Patience and careful work will lead to beautiful pieces that can be shown proudly. Ask a youth at the next meeting to show you their work! Fanny Bowley, Brett and Janelle Jurgens, Aaron and Beverly Hames, and Emily Rieur are definitely budding rock artists!

PRESIDENT'S MESSAGE

We pulled off another one, and it was a very good show as usual. We did have to put up with something unusual this year, good weather! And this caused us to have fewer people in attendance than in the previous year. We did not lose any money though receipts were down, and most of our dealers were very happy; most people, including yours truly, did come to buy and enjoy the show. You will have to wait until next month to get a final accounting.

I wish to take this opportunity to thank all of you who came and helped with set-up, tear-down and the running of the show. We could not have done it without you and we had a pretty good time. There were a few glitches; but then there always are, and things were very smooth overall. Of course it would have helped, if Kiwanis had not gotten their trailer stuck at the top of the ramp and if the electricians had remembered to leave their wiring in place like they were supposed to, but that's the way things go! Next year I'm going to find a pair of shoes with foam soles about two inches thick; after three days on that concrete, I was about four inches tall and four feet in diameter! So much for my resolve to sit this one out. I'm getting too soon oldt und too late schmart!

For those of you who have not attained any great age, an explanation is in order. Concerning our Smithsonian exhibit; the pieces exhibited were what used to be called display pieces and were displayed in jeweler's windows. Also they were used for special competitions and were usually made from stones of unusual interest and beauty, set in large and striking settings and lavish in their use of gold and other precious metals. In a word they were gaudy. Nevertheless the stones were some of the finest of the type that I have seen and the weight of gold was most certainly impressive. At the current market price for the metal (a lot of this was 18 and 22 carat) these were not cheap and none of them would even be replacable today. In most cases, the gemstones are no longer available or were from places that are no longer producing. A look into the 1920's in the world of American gemstones! For anyone who loves amber (most of us) the sight of amber by the hundredweight was quite a sight. And the granite guitar brought new meaning to the term 'HARD ROCK'!

Despite my best intentions, I never did get to most of the programs. If anyone is interested, perhaps we can have some of them for programs during the next year. I was a little disappointed in the number of members who displayed, although I was pleasantly delighted with the quality. Perhaps judging from the response of many members, we should add a study group on display techniques. Mostly it was a very successful show though and we should be proud of our efforts.

Now for some talk on the upcoming summer. We have a good schedule of swaps and shows coming up as well as the shows in other states which can be attended with little cost. And if any of you are planning vacations in the great white north this year; the Midwest Federation Convention in Houghton is a great opportunity. In addition to seeing how we spend our money on this group, there is plenty of opportunity to add to your collections of minerals from the Upper Peninsula copper region. Anyone so inclined to do so can also take the ferry to Isle Royal and to Thunder Bay, Ontario; each considered a vacation in themselves. To that end, we have included material on the Convention in the Pick and Shovel. Anyone interested can contact either Phyllis Parks or myself for reservation forms, etc. which should be returned soon to guarantee a spot.

David Heffelbower

CLUB NEWS AND DATES TO LOOK FORWARD TO!**BEST OF NEBRASKA RESULTS**

A Pawnee Lake cameo clam shell carved by Dave Bilyea won best Nebraska lapidary art. Dave wades in the water to collect these shells. After being soaked in bleach the surface is ground down with 400 grit. Sharp files and square edged tools help him create intricate details. For those interested in trying this please work wet to prevent breathing the toxic dust. For his effort this artist claimed the Yukon Jade. What will he carve next?

The best Nebraska mineral specimen was entered by Jim Parks. This delicate blue celestite was found in Gage county during a Lincoln Gem and Mineral field trip. Several offers were made to help the Parks store the large Brazilian Amethyst prize.

Jim Null found a sloth tooth in Dawson county to claim an Ammonite Fossil from Morocco. The best Nebraska fossil was especially hard for the judges to select. The sloth tooth was decided upon because it was rarer than the fine Titanathor tooth exhibited by Aaron Whyrick.

A special thanks to all the contest participants. Please try again next year! Thanks to Charles Wooldridge for organizing the contest and ordering the prizes. The Judges were so kind to give their time on such short notice. Thank you for helping select the best. Some good advice for those who do not wish to be asked to judge: Just keep on entering the contest!

Special thanks to Kay Jurgens for volunteering to fill the empty display cases with the Jurgens' family shell collection.

Thanks to Pam Killion and Emily and Rennie & Emerson for their contributions to this month's Pick & Shovel.

Just heard from Wooly, our program chairman, and Pleezy is on as planned for April and our program for May will be the "**Gem Dig**" at our dessert meeting. Bring your extra lights, magnifiers and tweezers and a small bottle to hold your jewels!!

Looking forward to summer- a very fun time will be the Grand Island club's ROCK SWAP scheduled for June **5-6 at the Izaak Walton Park** in Grand Island. Set up can be done on the afternoon of June 4th-limited camping is available.

Don't forget the Ellinwood, Kansas SWAP May 21-23 or the Norfolk Club SHOW at Sunset Plaza on May 8-9.

Be thinking about the MWF Field Trip Convention August 8 to 15 in Houghton, Michigan. Further information will be printed in the May Pick & Shovel. They will have guided Field Trips, show, meetings, cracker barrel session, swaps, auction and affordable housing on the University Campus. **Watch for more!**

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS

March 1, 1993 7:00 P.M.

Bennett Martin Library Conference Rm.

Treasurer's report was read; then approved with a motion by Charles W., 2nd by Francis B. Motion carried. Minutes of the Feb. Meeting were approved as printed with motion by Charles W., 2nd by Pam K. Carried.

BILLS: All presented were approved for payment with motion by Francis B., 2nd by Shirley R. Carried. The 3-month Show Certificate of Deposit matures on March 17th. Proceeds will be transferred to regular account at that time.

Maturity dates are also close for two other Certificates of Deposit. Treasurer has been advised to renew at best rate and transfer interest to Money Market account.

Club will also renew 3-year contract with Pershing Auditorium for future Shows.

Board Meeting will be held on April 5, 7:30 P.M. at the Rockel home.

LONG RANGE PLANNING & BY-LAWS COMMITTEE: Vera Lyman was appointed by President, with Board approval, to fill vacant 3-year term.

NEW BUSINESS: Motion was made by Phyllis P. that refreshments (Coffee, ice tea, rolls & donuts - 10 doz) for Show set-up on Friday as courtesy of Club. Unanimous approval.

Memberships: Membership card and THANK YOU was received from Friends of Museum.

New Club Member: ^{Jon}~~John~~ Eggen Motion to accept by Vera L. 2nd by Pam K. Carried.

Show Committee Meeting Thurs. March 4 @ 7:30 P.M.

Meeting adjourned.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING

NO GENERAL MEETING held in March.

Our 35th Annual Show was held on our Meeting weekend and happy to report, it was another success.

Please see separate Show Report in next bulletin.

Thanks, Vera

LGMC Treasurers Report for March 1993

	NBC Checking 3/1/93	\$ 386.21
Receipts:		
1993 New Member & Renewals	108.00	
Suspense Show Member Dinners	328.50	
Youth Activities at '93 Show	197.60	
Prev. Recorded Show Rcts. CD to ckg	3000.00	
'93 Show Receipts	<u>3821.59</u>	(report when final)
	7455.69	
Payments:		
Postmaster-Stamps for P & S	92.80	
Who's Who 1993	18.31	
Feb. Meeting & Program	55.00	
March Pick & Shovel +100 Printed	44.61	
Show Payments to this date	<u>1146.56</u>	
	1357.28	
	NBC Checking 3/31/93	6484.62
Checks in amount of 600.00 and 100.00 were written for show change and redeposited in account 3/29/93.		



307 Morrill Hall
University of Nebraska-Lincoln
Lincoln, NE 68588-0357
(402) 472-6365

**University of
Nebraska
Lincoln**
Institute of Agriculture and Natural Resources

Conservation and Survey Division
113 Nebraska Hall
901 North 17th Street
P.O. Box 880517
Lincoln, NE 68588 0517
(402) 472-3471

Geological and Natural Resources Surveys



March 24, 1993

OFFICERS

Betty Anderson
President, Lincoln

Darrel Seng
Past President, Lincoln

Karen Brokaw
President Elect, Lincoln

Steve Alva
Vice President, Lincoln

Marj Seidel
Corresponding Secretary, Lincoln

Morie Tuttle
Recording Secretary, Bennett

Marilyn Rambolt
Treasurer, Lincoln

BOARD OF DIRECTORS

Dale Anderson, Chadron

John Beck, Lincoln

Pai Cole, Lincoln

Susan Clifton, Lincoln

Bruce Curtis, Plainview

Steve Farns, Lincoln

Jim Garner, Lincoln

Stephen Grenier, Lincoln

Sue Guild, Lincoln

Diane Guthery, Lincoln

Abert Hamarsky, Lincoln

Ted Hoffman, Chadron

Karen Jensen, Lincoln

Judy Kesch, Lincoln

Eva Knight, Alliance

Jacklyn Knight, Lincoln

Yvonne Leung, Lincoln

Don McCurdy, Lincoln

Ed Miller, Lincoln

Carroll Moore, Lincoln

Carol Moravec, Lincoln

Carol & Dale Morrill, Creighton

Mark Poole, Lincoln

Don Spinar, Lincoln

Elizabeth Tan, Benner

Norma Wagner, Lincoln

Willard Waldo, DeWitt

Merrit C. Warren, Creighton

Rose Weaver, Omaha

Linda Willard, Lincoln

Bruce Wright, Lincoln

February 26, 1993

Lincoln Gem & Mineral Club % P. Parks
P.O. Box 5342
Lincoln, NE 68505

Dear Friend:

Thank you for your renewed membership in the Friends of the University of Nebraska State Museum.

If you have visited Morrill Hall recently, you have seen the remodeling resulting from years of Friends' work on the Museum's behalf, made possible with contributions such as yours.

As you have demonstrated your care and concern for the future of our Museum's internationally acclaimed collections and education outreach programs, I hope that you will feel free to dive in and become involved in the exciting Friends' projects planned the upcoming year! Not only will you be contributing to the future of a truly world-class Museum, but you will have the opportunity to get acquainted with some fascinating people in the process.

Sincerely,

Betty Anderson

BETTY ANDERSON
President

	199_3
	Member of AAM/ASTC
	Contributing _____
	Membership _____
Lincoln Gem & Mineral Club %P. Parks	
Member	
By <i>Betty Anderson</i>	
	President

Ms. Phyllis Parks, Treasurer
Lincoln Gem & Mineral Club
P. O. Box 5342
Lincoln, NE 68505-0342

Dear Ms. Parks:

Although the centennial celebration of the Nebraska Geological Survey is still six months away, I didn't want to wait any longer to thank you for your generous contribution to help defray various costs of the celebration.

We are very excited about the activities we have planned. For your information, I am enclosing a copy of the first flyer which announces some of the plans we've made.

One activity which is not listed is a dignitaries luncheon on Wednesday, September 22 at 12:00 noon at the Wick Alumni Center on the University of Nebraska-Lincoln campus. We would like to invite you to be our guest at this luncheon. The luncheon speaker will be William Fisher, State Geologist and Director of the Bureau of Economic Geology at the University of Texas at Austin, and he will be discussing the "History and Future of Geologic Research in Nebraska. After the luncheon, you are invited to tour some of the displays which will be set up in our offices. We will send you a formal invitation as the time draws closer, but I wanted you to mark the date and time on your calendar.

Once again, thank you for your contribution, and I look forward to seeing you during the centennial celebration.

Sincerely,

Perry B. Wigley

Perry B. Wigley
Director

Finding New Collecting Areas
Part 3 -- Examples of Library Use

Edward P. Pedersen

Locating geologic publications is the first step. Such a publication is the Geological Survey of Alabama, Bulletin 54, by F. R. Hunter (1944). The title of this bulletin is Geology of the Alabama Tin Belt. A glance at the Table of Contents shows that six pages of the report give information on the tin deposits and another 11 pages contain descriptions of "Mines and Prospects". Further looking shows these descriptions to be very complete as to location and the distribution of mineralization. Detailed locality information like this greatly increases the chances of finding the location.

More detailed reading of this article uncovered the following: "Cassiterite...is the only tin mineral in the district... crystals over 2 inches long have been reported. They are irregular to subhedral in shape, and are extensively broken and veined." This statement essentially rules out the possibility of collecting large specimen-quality cassiterite crystals. Additional reading of the paper did not uncover more encouraging descriptions of collectable minerals.

Many accessory minerals are listed but the description indicates that they are of small to microscopic size or occur as non-crystal masses. Micromount collectors might find a variety of specimens. Also collectors of tin minerals and those individuals interested in tin deposits might find the area worth collecting. With no additional information it would appear that the Alabama Tin Belt would not rank high as a prospective area to find new collecting areas. However any area that has been mined and prospected has more potential than an area with no known mineralization.

Most states have a Bureau of Mines, Geological Survey or similar division whose main function is to compile and distribute information about the geology and economic mineral resources of the state. Most states publish much of this information as bulletins, reports of investigations, and circulars. A little research and a few postcards will usually provide lists of these publications. Once such a list is received, it becomes a matter of selecting titles that may provide the key to the discovery of a new or little known collecting site.

Such a title is: Titanium in Southern Howard County, Arkansas (Arkansas Resources and Development Commission, Little Rock, Arkansas, 1948). The title of this paper indicates nothing but the area and the metal derived from some minerals present in the area. At first glance there appears to be nothing of interest to a mineral collector. On second thought, two of the titanium minerals are rutile and brookite both of which come in attractive crystals, therefore, it may be worth looking to see if a possible new location is described. A quick check shows that the deposits are ilmenite bearing "black" sands. The few minutes spent on such a report is well spent even if no new mineral collecting localities are found.

Another example of using geological publications and reports as possible keys to new collecting areas follows: The U. S. Geological Survey Bulletin (No. 979-A) titled Manganese Deposits of Western Utah by M. D. Crittenden, Jr. could be an important source of information for a mineral collector living in that general area. On page 27 the following statement is made; "An interesting occurrence of the manganese mineral bixbyite in the topaz-bearing rhyolite ... has been described by ... It is of no economic value."

References are given to two papers in the geologic literature that describe this occurrence of a rare manganese mineral in topaz-bearing rhyolites. One of these references probably contains reasonably detailed directions to the locality. If several possibilities of this type can be found in one area it may well be worth a weekend trip. A long trip for the sole purpose of checking such a lead may not be reasonable unless the prize appears great, or the collector wants a reason to visit and see a new area. It should be kept in mind that one really new or productive discovery will reward for lot of failures or marginal successes.

The Minerals Yearbook published by the U. S. Bureau of Mines is a potential source of information. For example, the 1962 Minerals Yearbook, Volume III (Area Reports), systematically covers the mining activities in all states by county with the brief descriptions of the mining activity. A collector interested in a particular state or area could research past issues of the Minerals Yearbook as a guide to places to search for minerals -- An Example taken at random from the 1962 Yearbook: Rush Co. Indiana -- "Limestone was quarried and crushed at Milroy by McCorkle Stone Co. and Rush County Stone Co. Contacting these companies, or the current owners of the properties, could possibly result in permission to collect in their quarries.

A few words of caution should be directed toward the collector who is not familiar with mining activities and descriptions of ore deposits. To mine owners, mining engineers, and mining geologists the item of prime importance is the richness and extent of mineralized rock that is mined for a profit (the ore body). Individual minerals within this ore body are of interest only as ore (economic) minerals and gangue (waste) minerals. It is the relative abundance of these minerals that determines the richness of the ore and the overall profit or loss to the mine owners. The number and size of crystallized minerals bears little or no relation to the value of the ore, unless it is a mine worked for gemstone materials or mineral specimens.

Most mine operators prefer large uniform masses of solid ore minerals. The natural caves, fissures, and vugs generally needed for the growth of large crystal specimens mean, to the miner, less ore per cubic yard of rock removed, and a profit decrease.

Geological reports describing ore deposits may contain a statement such as "an abundance of crystalline galena". This statement does not mean, "numerous crystal specimens of galena" but rather probably means that the masses of galena are composed of intergrown crystals large enough to see. The statement "pyrite disseminated in the quartz" probably means small irregular pyrite areas in massive quartz. A collector cannot be sure what was intended in these statements. Any statements mentioning crystals in vugs or fissures, "free crystals", "euhedral crystals", or similar descriptions should prompt detailed reading.

Many times the collectible specimens from an area will be either the gangue (waste) minerals or the accessory minerals from the deposit. Much of this type of material may end up in the mine dumps or waste piles. If this information is included in mine descriptions, it may save time and effort for the collector. The type and value of ore being mined will give a clue to possible collecting. If the mining is for lead or zinc (galena and sphalerite) there are probably numerous smaller pockets remaining, however, if the galena carried a high percentage of silver, there is much less of a chance that any galena remains, if it was accessible to mining. An extreme case is seen in mines where the ore was native gold in quartz. Any visible gold and most visible quartz would have been mined due to the high value of the ore.

In summary, it can be said that the value of geologic reports as a guide to finding new mineral collecting areas generally exceeds any of the other possibilities. However, it should be remembered that they were not intended to guide specimen collectors. Collectors may place the highest value on those aspects of the deposit or mine that were of least value to the report writer and the intended readers.

1993 ELECTED OFFICERS

President: C. David Heffelbower, 1819 Washington St., Lincoln, NE 68502 475-4713
1st Vice President: Charles Wooldridge, 836 S. 31st St., Lincoln, NE 68510 475-9034
2nd Vice President: Francis Belohlavy, 3015 Orchard, Lincoln, NE 68503 477-4337
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: Pam Killion, 3425 'N' St., Lincoln, NE 68510 477-1780
Board Member: Kevin Schwartman, 5522 Shady Tree Ct., Lincoln, NE 68516 475-4713
Board Member: Billie Heffelbower, 1819 Washington St., Lincoln, NE 68502 474-9441
Board Member: Shirley Rockel, 1134 West Avon Lane, Lincoln, NE 68505 464-3059

Nominations Committee Long Range Planning & By-Laws Committee

Years: Jim Marburger 3 Years: Vera Lyman
 Kathy Pavlish Roger Pabian
Years: Dwight Miller 2 Years: Kevin Schwartman, Chair
 Janet Wright Jim Marburger
Year: Gerald Moore 1 Year: Bob Wright
 Don Phillips Linda Parks-Lundgren
Chairman: Immediate Past President **Chairman:** Immediate Past President

STANDING COMMITTEES

Membership: Shirley Rockel **Programs:** Charles Wooldridge
Education: Roger Pabian **MWF Liaison:** Vera Lyman
Field Trips: Kevin Shwartman **Scholarship:** Dwight Miller
Historian: John & Lillie Lewis **Christmas Party:** Billie Heffelbower,
 Shirley Rockel
Hospitality: Eddie "Lightning" Ridge
Study Group Coordinator: Ralph Ulrich **1993 Show:** Francis Belohlavy
Housing/Property: Jim Parks **1994 Show:** Billie Heffelbower
Junior Activities: Pam Killion **1993 Swap:** Roger Pabian
Librarian: Jim Parks **1994 Swap:**
Gem Palette Correspondent: Pam Killion **Rockhound of the Year:** Emily Rieur
"Geology Day" Coordinator: 2nd Vice President

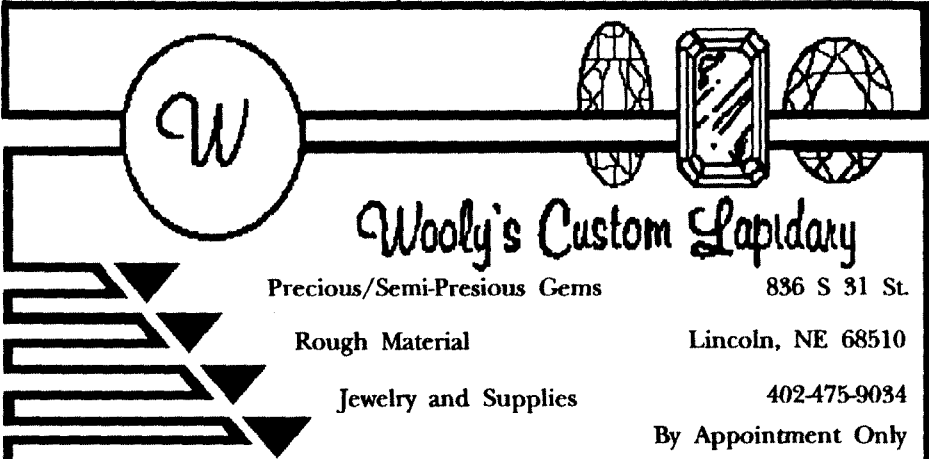
AUDITING COMMITTEE, 1992-93

Charles Wooldridge
 Francis Belohlavy
 Shirley Rockel

Your PICK & SHOVEL Staff

Publisher: Lincoln Gem & Mineral Club, Inc., P.O. Box 5342, Lincoln, NE 68505-0342
Editor: Francis Belohlavy, assisted by David Heffelbower
Coordinator: Phyllis Parks
Business Reporter: Vera Lyman
Circulation: Phyllis and Jim Parks

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



Woolly's Custom Lapidary
 Precious/Semi-Precious Gems 836 S 31 St.
 Rough Material Lincoln, NE 68510
 Jewelry and Supplies 402-475-9034
 By Appointment Only

J J & L
Rocks & Minerals
 P.O. Box 68
 330 Locust
 Hickman, Nebraska 68372

Open by appointment 402-792-2337 or 792-2348

Read your bulletin for new materials or specials from the above advertisers.

Advertising by rock-hobbyist business or interest is permitted with the approval of the Board. The rate now set at \$15.00 per full page; \$7.50/ 1/2 page; \$5.00/ 1/3 page; and \$3.75/ 1/4 page(Min) per issue, paid in advance. These ads will be placed throughout the bulletin as space permits.

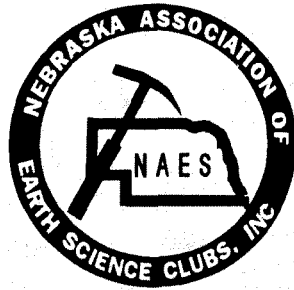
Subscriptions to the PICK & SHOVEL are \$10.00 per year mailed.

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

Adult (ages 16 or over) - \$10.00/year
 Junior (ages 12-16) - \$2.00/year
 Family (Husband, wife and resident children under age 16)
 \$22.00/year

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

Associated with:



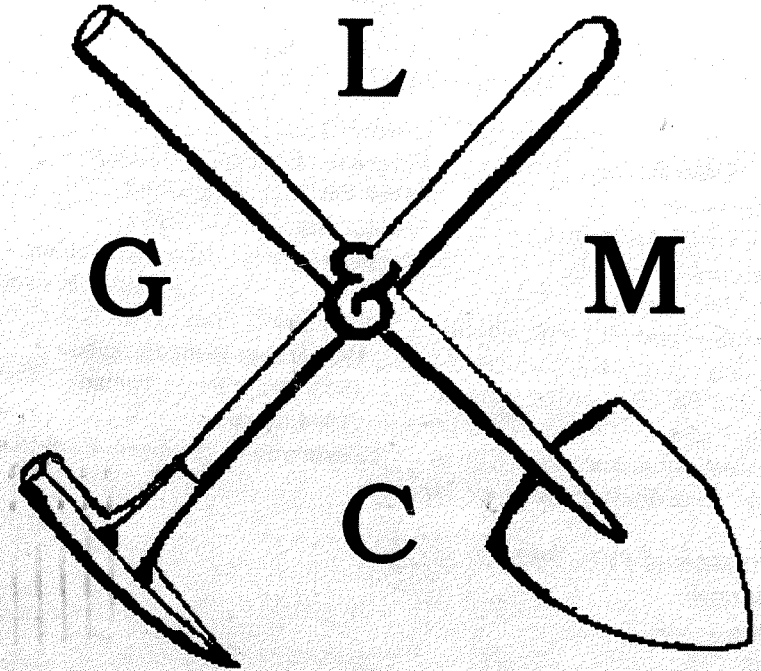
THE PICK & SHOVEL

APRIL, 1993



H. E. L. P.

Help Eliminate Litter Please

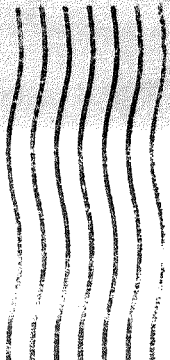


Mail Exchange Bulentins To:

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



Edward Ridge
2507 A St.
Lincoln, NE 68502



OFFICIAL PUBLICATION OF

LINCOLN GEM & MINERAL CLUB

LINCOLN, NEBRASKA

*Celebrate with us
as we join together...
Like the flames
of two candles
that unite
to form a
single flame,
we will shine
with greater brightness
and strength -
yet suffer none
in our individuality.*

*Kathrine Rosemarie Pavlish
and
Kevin James Schwantman
together with their parents
Mr. and Mrs. Richard Pavlish
Mr. & Mrs. William Rockel
and
Mr. Robert J. Schwantman
invite you to share in their wedding,
on Saturday, the first of May
nineteen hundred and ninety-three
at seven o'clock in the evening
St. Mark's United Methodist Church
740 North 70th
Lincoln, Nebraska*