

THE PICK & SHOVEL



January
1987

In this issue

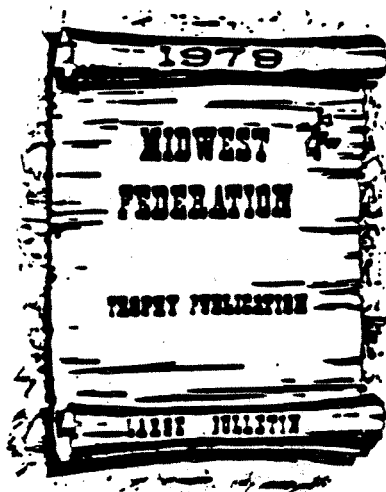
....NEW YEAR GREETINGS
An Irish Blessing

AGATE SPRINGS FOSSIL BEDS

NAS Scholarships

Junior Page

INDOOR SWAP



OFFICIAL PUBLICATION OF

Lincoln Gem and Mineral Club, Inc.

P. O. Box 5342

Lincoln, Nebraska 68505

LINCOLN GEM AND MINERAL CLUB, INC.
P.O. BOX 5342, LINCOLN, NE 68505-0342

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, particularly youth and student groups.

MEMBER: American Federation of Mineralogical Societies (AFMS)
Midwest Federation of Mineralogical and Geological Societies (MWF)
Nebraska Association of Earth Science Clubs, Inc. (NAOESCI)
Nebraska Academy of Sciences (NAS) (Life Membership)
Friends of the Museum

Regular Meetings: 4th Saturday of the month, September thru May; 7:30 P.M.
At Nebraska Center, 33rd & Holdrege

1987 ELECTED OFFICERS:

President.....Kevin Schwartman	1134 West Avon Ln Lincoln, 68505	464-3059
1st Vice Pres.....Janet Wright	3715 S. 33rd St. Lincoln, 68506	488-1884
2nd Vice Pres.....Jim Parks	2435 S. 19th St. Lincoln, 68502	476-6798
Secretary.....Vera Lyman	420 N. 56th St. Lincoln, 68504	464-6089
Treasurer.....Phyllis Parks	2435 S. 19th St. Lincoln, 68502	476-6798
Board Member.....Fred Holbert	2822 S. 13th St. Lincoln, 68502	423-5639
Board Member.....Shirley Rockel	1134 West Avon Ln Lincoln, 68505	464-3059
Board Member.....Tom Simmons	2970 South St. Lincoln, 68502	488-1619
Board Member.....Marie Taylor	910 New Hampshire Lincoln, 68505	476-3707

NOMINATING COMMITTEE -- 3 years: Dave Heffelbower, Wm. Rockel
2 years: Irl Everett, Claude Scott
1 year: Vera Lyman, John Lewis
Linda Parks, Chairperson

LONG RANGE PLANNING AND BY-LAWS COMMITTEE:

1 year - Jim Taylor, Irl Everett 3 years - Bob Wright, Linda Parks
2 years - Claude Scott, Phyllis Parks Linda Parks, Chairperson

STANDING COMMITTEE CHAIRPEOPLE:

Calling.....Phyllis Parks	Membership.....Shirley Rockel
Education.....Roger Pabian	MWF Liaison.....Marie Taylor
Field Trips.....	Programs.....Janet Wright
Historian.....John & Lillie Lewis	Scholarships.....Marie Taylor
Hospitality.....Ed Ridge	Xmas Party.....Marie & Susan Taylor
Housing/Property.....Claude Scott	1987 Rockhound/Yr....Dave Heffelbower
Jr. Activities.....Janet Wright	1987 Annual Show.....Jim Marburger
Librarian.....Jim Parks	1988 Annual Show.....

AUDITING COMMITTEE 1986.....Lois Hunt, Bruce Simon
Shirley Rockel, Chairperson
Phyllis Parks, Treasurer

PICK & SHOVEL STAFF:

Editors.....Board of Directors
Co-ordinator...Vera Lyman, 420 N. 56 st. Lincoln, NE 68504 (NAOESCI Reporter)
Circulation....Dave Heffelbower
Rays of Sunshine..Gail Clare Scott
Reporters....."CLUB MEMBERS"

DEADLINE: 1st of Month of Issue. Original articles may be reprinted if credit is given the author and THE PICK & SHOVEL and a copy of the publication is sent to the Editor.

JANUARY						
S	M	T	W	T	F	S
				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

CALENDAR PAGE

JANUARY MEETING: January 24, 1987 - 12 noon-9th Annual Indoor Swap
 Nebraska Center, 33rd & Holdrege, 2nd Floor
 Scottsbluff-Minden Room - Swap Noon until 6 P. M.
 Regular meeting - 7:30 P. M.

JUNIORS: There will be a short field trip in the afternoon.

PROGRAM: "Geology of Agate Fossil Beds National Monument"
 Presented by Dr. Robert M. Hunt, Curator of Vertebrate
 Paleontology at UNL, Associate Professor the the Museum
 and Associate Professor in the Geology Department.

FEBRUARY BOARD MEETING: Time & Place to be announced by phone.

<u>S H O W S</u>	<u>&</u>	<u>S W A P S</u>	<u>F O R</u>	<u>Y O U R</u>	<u>N E W</u>	<u>C A L E N D A R</u>
Feb 4-8		COMMERCIAL SHOW	Quartzsite, Arizona,	Quartzsite	Improvement	Assoc.
Mar-13-15		SHOW	Kansas City, Mo.,	Assoc.	Earth Science	Clubs
Mar 28-29		<u>OUR</u> SHOW	Lincoln, Nebraska,	29th Annual	Show, Ag. Hall	
April 24-26		SHOW	Hastings, Nebraska,	Central Nebr.	Gem & Mineral	
June 11-14		NATIONAL SHOW	Oklahoma City, Oklahoma,	Rocky Mt. Federation &	AFMS combined	show and convention
June 25-28		MWF SHOW	Dearborn, Michigan,	Midwest Mineralogical &	Lapidary Society	Host
July 18-19		SHOW	Columbus, Ne.,	Loup Valley G & M	Club	
Sept. 19-20		SHOW	Kimball, Ne.,	Plains Rock & Mineral	Club	
Sept. 25-27		STATE SHOW	Ogallala, Ne.	Prairie Rockhounds	Host	
Oct. 10-11		SHOW	Omaha, Ne.,	Nebraska Mineral & Gem	Club	
Oct. 17-18		SHOW	Grand Island, Ne.,	GI Earth Science	Club	

There are also a number of Rock Swaps in Nebraska-Refer to Page 10, Dec.'86, Gem Palette.

DUES ARE DUE

Please 'Hurry and PAY YOUR DUES' before the January Meeting, Jan.24, 1987, or at the very latest pay at the club meeting, so we can prepare the listing for our new Nebraska State Directory which is to be published in February by the Nebraska Association of Earth Science Clubs, Inc. (NAOESCI).

Dues structure is found on the inside of the back cover of each Pick & Shovel and a reinstatement fee of \$1.00 each family will be required after the delinquent date of January 31, 1987.

Phyllis Parks

GREETINGS IN THE NEW YEAR 1987



Ring out the old
Ring in the new.
Attend G&M meetings tho' tis cold.
We miss and really need you.

Resolve to aid Jim in every way.
Our show is coming & we want to do well.
The weather has "zapped" us on many a day
But this year everyone must excel.

We wish you good health & pleasure
All through the year '87.
Success and joy in generous measure
Is our prayer for all, 100-11.

Never be discouraged
When failures come to light--
Just use them for stepping stones
And make a stronger fight.

Loreta Inman

qcs



* * * * *

FOR THIS NEW YEAR - - An Irish Blessing

May you live a long life,
Full of gladness and health,
With a pocket of gold
As the least of your wealth.
May the dreams you hold dearest,
Be those which come true,
The kindness you spread,
Keep returning to you.

May the friendships you make,
Be those which endure,
And all of your grey clouds,
Be small ones for sure.
And trusting in Him,
To whom we all pray,
May a song fill your heart,
Every step of the way.

- Grace E. Easley

PRESIDENT'S MESSAGE:

As your new president, I'd first like to wish everyone a Happy New Year! Thanks to all who worked so hard in our club this past year, and a special thanks to those who have agreed to serve as committee chairpersons for this up-coming year. I know they can rely on the rest of us if they should need any extra help.

Since I did not get much time to work on my Master's Thesis this last semester, I am not going to take any classes next semester; instead, I am going to spend the rest of the school year working on my thesis. This will also enable me to spend more time working for the LGMC.

This year our show is scheduled for March 28th and 29th. So be thinking of what you would like to display. We would like to have a lot of club participation this year. And also, as a reminder, the annual swap and club birthday party will be held later this month. We also have an excellent speaker for the program, so get together your best swapping material and we'll see you on January 24th.

Good Luck in the New Year!

Kevin J. Schwartzman

P.S. Please remember the Miller's in your prayers, Richard was hospitalized at the end of last year with cancer.

Thanks

KJS

SCHOLARSHIPS AVAILABLE THROUGH ACADEMY

(High school science teachers & counsellors should advise seniors promptly)

LINCOLN GEM & MINERAL CLUB SCHOLARSHIP: \$100.00 Available to any Nebraska high school senior showing interest in the earth sciences may apply by submitting evidence in written form about this interest. Supporting information such as scholastic achievement, school and community activities in earth sciences, awards received along with two teacher recommendations. Applicant must show evidence of having been accepted at any accredited college or university in Nebraska. Student is honored and Award presented at the Annual Banquet of the Academy in April. The deadline for application is February 28th.

MARIE & HOWARD J. TAYLOR SCHOLARSHIP: \$50.00 Available to any Nebraska high school senior showing interest in the geology of the State and the importance of rocks and minerals. Evidence of interest must be submitted in writing and be accompanied by teacher recommendations and scholastic achievements. Applicant must show evidence of intention to enter a college or university in Nebraska in summer school or first semester. Application deadline is February 28th. Student is honored and Award is presented at the Annual Banquet of the Academy in April.

- via Nebraska Academy of Sciences, Inc
Newsletter
December, 1986

MWF Bulletin "Gems"

This is a new spacefiller column. This editor thought it would be nice to recognize a few of the many interesting articles I have read in the bulletins I have been receiving this past year.

Polished Slab 9/85 (Clark County Gem Collectors Inc.) - an article titled "More About Gemstones" by LaRaw Bringhurst. Interesting legends & lore of gems.

Rock Talk 11/86 (Black Hawk Gem & Mineral Society) - a book review, "Stones of Destiny". A Story of Man's Quest for Earth's Riches - by John R. Poss. Interesting to both history buffs and rockhounds.

Rockhound Harold 12/86 (Blue Water Lapidary Society) - Club project: Members donate a wrapped gift for a child, picked up by local Visiting Nurse Assoc., to be given to elderly patients, so they may give them to their grandchildren for Christmas.

Fox Rox News 12.86 (Fox Valley Rocks & Minerals) - Hats off to the clever typist of a fireplace with Christmas tree.

- via MWF Newsletter
December 1986

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - Dec. 20, 1986

Antelope Park Shelter House, A St. & Park Rd., 7:00 P.M.

Meeting of combined '86 Board Members & newly elected '87 Board.

Present: Linda Parks, Janet Wright, Kevin Schwartman, Vera Lyman,
Phyllis Parks, Jim Parks.

Guests: Dave & Billie Heffelbower

Minutes of Oct. & Nov. Board Meetings read. Motion for approval by Jan Wright, 2nd by Phyllis Parks. Carried.

Oct. Treasurer's report read. Motion for approval by Vera Lyman, 2nd by Jan Wright. Carried. Nov. report read. Motion for approval by Kevin Schwartman, 2nd by Jan Wright. Carried.

FUNDS:

\$ 1,500.00 NBC -- Transfer of funds to earning account
(Receipts from '87 Show dealers)

Motion for approval by Vera Lyman, 2nd by Kevin Schwartman. Carried.

BILLS: Paid but need approval:

\$ 20.00 Vera Lyman - Anniversary Cakes for Johnsons & Youngs
47.50 NE Center - Sept. Meeting
33.00 Security Storage - Nov.
58.76 UNL Printing - Oct. P & S
33.00 Security Storage - Dec.
85.08 Janet Wright - Christmas decorations, Favors, Poinsettias
138.68 UN of NE State Museum - May Meeting
(decision to underwrite to 400.00)
13.44 Accent Printing - 1987 Indoor Swap Exp.
(300 fliers w/swap & Show Dlr info for Gem Palette)
62.50 Postmaster - 500 (12½¢ stamps for mailing P & S)
128.65 Six Speedy - '87 Show Flyers (4000)
33.00 Security Storage - Jan. '87
45.00 NE Center - Nov. Meeting Room
50.00 Postmaster - Bulk Permit - '87
29.00 Postmaster - Box Rent - '87

Motion for approval by Jan Wright, 2nd by Kevin Schwartman. Carried.

BILLS: Payment and approval:

\$ 332.06 NE Center - Christmas Dinners (41.25 gratuity, 15.81 tax)
(44 persons served - inclu. 2 guests, Jrs.
from Jr. Fund.)

13.20 Jim Parks - Show Dealer Expense

16.39 Phyllis Parks - Receipt book, Misc copy, Ballots, Oct. ref.

55.25 UNL Printing - Dec. P & S

Motion for approval by Vera Lyman, 2nd by Kevin Schwartman. Carried.

Payment and approval: (mailed Jan. 1, 1987)

\$ 47.50 MWF - Membership for 1987 - 91 Adults - \$ 2.00 for Jrs.

31.85 NAOESCI - '87 Membership dues - 91 Adults @ 35¢ ea.

Motion for approval by Kevin Schwartman, 2nd by Jan Wright. Carried.

MEMBERSHIP:

Motion to accept Billie Heffelbower as member by Jan Wright, 2nd by Phyllis Parks. Carried.

BOARD OF DIRECTORS - Dec. 20, 1986 - continued

OLD BUSINESS:

Jan Wright - Question of "camera". Decision should be made. Motion by Phyllis Parks that we rescind motion to purchase camera, to appoint President to take photos at Club functions w/personal camera using B/W film; for reimbursement by Club. 2nd by Kevin Schwartman. Carried.

Linda Parks - Questions of which Board members doing what pages for P & S. Officers will submit same pages as previously designated.

NEW BUSINESS:

Phyllis Parks - Question of membership in Lincoln Arts Council & Friends of Museum - put off decision until Jan. Meeting.

COMMITTEE REPORTS:

All American - Jan working w/Shirley. Will put together in Feb. Show Chairman - Show Theme - "Circus of Gems"

Show Flyers ready

Total member participation w/displays

Library Report - Daughter of donor of book "The Collector's Encyclopedia of Rocks & Minerals" requested return of book for study. Motion by Phyllis Parks that we return Mrs. Grant Woodward's book to her daughter. 2nd by Jan Wright. Carried.

Next Board Meeting Jan. 6, 1987, 7:30 P.M., 40th & South Am. Charter.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

P.S. No General Meeting Minutes for Dec. because no Meeting. Christmas Party report in December P & S

LGMC Treasurer's Report - October 1986

		NBC Checking 10/1/86	\$ 288.48
Receipts:	1986 Member Christmas Dinners	18.75	
	1987 Prepaid Dues	5.00	
	1987 Subscription Pick & Shovel	<u>5.00</u>	28.75
	1986 Show program fee returned check uncashed		25.00
Accounts paid:	For anniversary cakes	20.00	
	Security Storage	33.00	
	Nebr. Center Sept. Meeting	47.50	
	U.N.L. Prtg./Dupl. Oct.PS	58.76	
	Misc.Postage,copy,picnics	<u>29.42</u>	188.68
		NBC Checking 10/31/86	\$153.55

LGMC Treasurer's Report - November 1986

		NBC Checking 11/1/86	\$153.55
Receipts:	1986 Member Christmas Dinners	118.75	
	1987 Prepaid Member Dues	126.00	
	1987 Prepaid Dealer Space Show	<u>1575.00</u>	1,819.75
Accounts paid:	Security Storage	33.00	33.00

AGATE SPRINGS FOSSIL BEDS

Some Nebraskans are unaware of our important National Monument on the Niobrara River in central Sioux, Nebraska's huge northwest county. Many have known the area for years, but its great potential has yet to be fully established. The term "National Monument" has more meaning when one has been on the several square miles of interesting grounds and learned its history. Beginning with the summer of 1919 I have been there several times.

When I returned from Colorado by train in 1919 I took a side trip to N.W. Nebraska to visit my eldest brother, Fred and his farm near Mitchell. Railroads then mutually granted such deviations in routes and time scheduals. Fred gave me a variety of local auto trips to points of interest. A most memorable one took us over 35 miles of Kinkaid grasslands to Capt. James H. Cook's Agate Springs Ranch and its already world-renowned fossil beds, worthy of nearly 70 years of memory.

The Agate Springs Fossil Beds had not yet been designated as a National Monument, but it was already a haven for Indian tales devotees because of the famed owner, and the extensive deposits of vertebrate fossils which gained world-wide attention among scientists. Cook had "wild west" exploits, including the capture of the Apache Leader, Geronimo, and his ancestry goes back to the famed English navigator and explorer Capt. James Cook who was killed by Hawaiians in 1779. The modern Capt. Cook became a great friend of Indians, especially Chief Red Cloud in post-war years.

The "welcome mat" was really out to us, and Capt. Cook showed us the interior of the ranch house, as well as outside points of interest, especially the fossil beds. There were many objects of historic value in the house and grounds. In the "den" a large portrait of Chief Red Cloud adorned a wall. We were told that the chief would not "sit" for any artist but one chosen by his friend, Capt. Cook. Red Cloud died on Dec. 10, 1909, and the place is marked on the lawn where he had his last sleep while visiting Cook. I do not remember where he was at time of death.

We drove in Fred's Model-T and found there were several named hills where fossils occur. The fossil-rich layers in the faces of the hills were being "worked" by scientists from different institutions. We saw a three ton slab of petrified bones being prepared for the American Museum in New York, In it 21 skulls and other materials were imbedded, mostly rhinoceros. Prof. E. M. Barbour from University of Nebraska happened to be there at the same time. (Later I learned to know him personally in Lincoln.) My little camera was kept busy and those snapshots taken in 1919 are well preserved in my favorite album.

The fossil deposits are found in layers many feet below the surface of the hills, quite compact with skeletal parts, mostly vertebrate, and they form distinctly different layers from the later strata. When were these deposited and why? The geologic time of the deposits is believed to be in lower miocene or upper oligocene, millions of years ago. There were massive river floods in prehistoric times,

AGATE SPRINGS FOSSIL BEDS - continued

often drowning many animals, some not always friendly to each other. The eddies piled them up and they were covered with debris, and later deposits of sediment.

The Captain told of a few amusing "explanations". One was that Noah disposed of dead animals as the Ark floated over the area. Others gave the often expressed belief that the whole mess was simply the work of the devil to deceive people and shake their faith! Modern methods have been able to solve the time problem more accurately.

There are many other places somewhat similar to Agate Springs in Nebraska and other places in the world, but this is one of the great ones, and they don't all come equipped with a man like Capt. Cook was, as the owner of the area, and be ranked as National Monuments.

I do not know all of the facts about the "National Monument" status of Agate Springs Fossil Beds, but I believe that "lack of funds" may hinder the full museum potential. Certainly the historic, scientific and human interest possibilities are unsurpassed. The Captain has long ago "joined his ancestors" and so have most of his family. The roads leading to the Springs Ranch have been improved, the agatized chalcedony out of which the water flows is still there. (no Fairburns). The little "half pint" Post Office is gone.

Capt. Cook and his young bride discovered the fossils while on horseback through the area, which was at first called the O-4 Ranch. He purchased the ranch from his wife's parents, Dr. and Mrs. E. B. Graham of Cheyenne, Wyoming, in the late 1880's, and changed the name to Agate Springs Ranch.

- Submitted by J. D. Young

Junior Page

Juniors will meet at the Mid-winter Swap. We will have a grab-bag table and go on a field trip to Tom Simmon's Rock Shop at 2 o'clock. If you haven't been to Tom's, you'll be surprised at the number of museum quality specimens on display. Thanks in advance Tom. The Juniors will talk about making up a box of mineral specimens, cutting material, and fossils from the surrounding Nebraska area to trade with another Junior club possibly in California.

LAPIDARY *Journal*

November 26, 1986

Ms. Janet Wright
Lincoln Gem & Mineral Club
Juniors
3715 S. 33rd St.
Lincoln, NE 68506

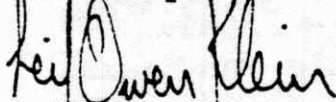
Dear Ms. Wright:

When I discovered your organization, Future Rockhounds of America, I became very excited and immediately called Ms. Ruth Hammett. After a delightful conversation, we decided it was a good idea to send each F.R.A. Club a small complimentary shipment of the December, 1986 Lapidary Journal, an issue devoted to young rockhounds.

We hope that copies of the December issue will be distributed, free to your current members, as well as to new members who join throughout 1987.

If you need more copies, please contact Hazel Balinger in California, or myself in Pennsylvania, and we'll make sure you get them as soon as possible. Thank you for your help, and I look forward to working with the F.R.A. clubs in the future.

Sincerely,



Leif Owen Klein
Associate Publisher
Lapidary Journal

P.S. The December issue's Touchstone editorial by Merle Berk is devoted to your clubs.

LOR/cg

You're Invited

To

LINCOLN GEM & MINERAL CLUB, INC.'s

9th INDOOR SWAP

Date: Saturday, January 24, 1987

Time: 12 noon - 9:30 P. M.

Place: Nebraska Center for Continuing Education
33rd & Holdrege Sts., Lincoln, Nebraska
2nd Floor - Scottsbluff - Minden Room
(Elevator & cart use available)

Come and join us. Tables, chairs and coffee will be provided. Food available nearby.

Silent Auctions, Junior Fun Trip, Rocks, Tall Tales, Conversation, More Rocks, Swapping, etc.

Swapper Bucks will be provided, 10% to club.

Business meeting at 7:30 p.m. followed by an excellent program presented by one of our U.N.L. Professors, Dr. Robert Hunt, on Agate Fossil Beds.

L. G. M. C. will no doubt be celebrating our 32nd Anniversary with delicious cake after the program and you are all invited.

A courtesy donation will be solicited for the Silent Auction, proceeds to go to the "Lake Mac Fossil Dredging Operation" of August 1986. This was funded in part by several of our Nebraska 'Gem & Mineral' Clubs. In fact we only need \$138.68 to complete the necessary funding.

COME ON ROCKHOUNDS !!!!

Bring your rocks and plan on bidding.

Midwest Federation NEWSLETTER

Member of The American Federation of Mineralogical Societies



OFFICERS 1986-1987

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Garden City, MI 48135

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107 Tuttle Ave.
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7636 V Avenue East
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Except June, July, August

DECEMBER 1986 - Issue No. 267

Mrs. Lois McMahon, Editor
2S621 Gray, Lombard, IL 60148

FOR DECEMBER NEWSLETTER

PRESIDENT'S MESSAGE



How nice it is to be able to send Season's Greetings to each and every one of you. Feelings of gratitude and renewal are especially strong during this time of year when we contemplate the events of the past years and face, with expectation, the hoped for joys of the year to come. We, in the Federation, are bound together in the enjoyment of what nature has provided. Let us hope that the year to come will give us the pleasure and satisfaction that we seek in a hobby.

As is normal with the passage of time, we see some tried and true friends leaving positions, in the Federation, which they have held for many years. We thank them for their service and wish them well. As they leave office, let us not say good-bye but, rather, "see you again" - and we are richer for having known you!

New names are appearing where the old friends have departed and they deserve a word of thanks for accepting a challenge which will bring change to their life. No one can really work for the Federation without realizing that it intrudes upon their personal hobby time. They do their job because they believe in the value of that task and the benefits to the hobby and its followers. It is my strong belief that the Federation exists to serve the members and clubs of whom it is composed. Its purpose is to enable them to accomplish goals which would be unattainable otherwise. The common good is more important than the wants of any small segment within the organization. We can't become lost in what was done in years gone by. Conditions change and we must change with them. Our hobby isn't the same as it was ten years ago. We shouldn't expect the Federation to stay the same. We must change to meet the challenge of the future.

Best wishes for the holiday season and the year to come.

NOTICE OF CHANGE

MIDWEST FILM LIBRARY

Please send all program requests to:

Marge Collins
3490 S. Hannan Rd.,
Canton, MI 48188
(313) 722-6043

Esther

With all good wishes for
CHRISTMAS
and the **NEW YEAR**

March 1986

From: Mary Boland, Paleontology Chairperson

To: Lois McMahon, NWF News Editor

News Releases for Publications at Editor's Discretion

1) The January issue of the Lapidary Journal was one featuring fossils. Having visited the MacAsphalt Pit, I can testify to it truly being a fossil collectors paradise. It will close during July and August and when it opens in September for collecting, it will be on Saturdays only. A hard hat is required, can be purchased there, and a \$3.00 collecting fee as well as signing a release are required. There is no limit, and collecting is limitless.

2) There is a current display at a museum in Albuquerque, NM with controls that are managed by the visitor allowing the observer to see how fossil dinosaurs and mammals carried on some of life's functions, such as eating. One is not just an observer, but the visitor can actually become involved in this museum display. News on CNN on March 18, 1986, by Science Reporter, Charles Crawford of CNN.

3) Charles Crawford back in January reported on a Mastadon dig taking place near Madison, WI. I have not seen any local reports on this dig. The site is a farm. Woolly Mammoth & Giant Beaver are also being sought. In September, 1981, Alberta Cray reported in the Cedar Valley Gems, a complete Mammoth jaw was found along the Skunk River, below Geode St. Park.

4) Thomas Johnson of Lebanon, OH has honored all amateur collectors by having his very "professional" collection of Trilobites deemed worthy of display at the Smithsonian, Washington, D.C. Johnson has also published a book, Trilobites of the Thomas Johnson collection. If any club is interested in purchasing this book for their club library, write me for the address, it will cost \$12.95.

5) Four women from the St. Louis, MO area have the distinction of saving a Mastadon fossil site for preservation as a park for us all to enjoy. I am confident they belong to an earth science club, and hopefully a NWF one. Construction on a \$1.2 million museum is to begin soon. McDonnell Douglas Co. donated \$40,000 to this project, through the efforts of the McDonnell Douglas G & K Soc. MO State Director, Lucille Bishop, and award winning bulletin editor Willis Smith were present for the groundbreaking ceremony. More information is forthcoming.

6) Thousands of fossilized bones were reported out of Washington, January 29, 1986, from a 200 million year old site in Nova Scotia, the announcement made by the National Geographic. The item states: "The fossils, representing the crucial period in history when dinosaurs emerged to become masters of the Earth, were discovered on the shores of the Bay of Fundy north of the coast of Maine."

Mary Boland, Paleontology Chrm.



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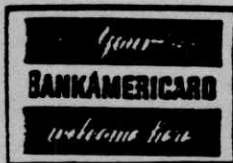
MEXICAN MINERALS - SLABS - TUMBLED STONES

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Read your bulletin to spot *new materials* or *specials* of the above advertisers.

Advertising by a rock-hobby business or interest is permitted with 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 \$5.00 per year mailed.

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

Adult membership fee \$5.00 (age 16 and over)

Junior membership fee \$1.00 (age 12-16)

Family membership fee \$11.00 (husband, wife and all children under 16 - permanent residents of household)

New membership must be approved by the Board, after applicant attends at least one (1) regular meeting of the club, and pay the above dues plus \$1.00 registration fee.

DON'T FORGET - 9th Annual Indoor Swap - January 24th, 1987
Noon 'till 6:00 P.M.
General Meeting at 7:30 P.M.

Also 32nd Anniversary of the Club!

ANNUAL SHOW:

March 28 and 29, 1987



H.E.L.P.

HELP ELIMINATE LITTER PLEASE!

MAIL ALL EXCHANGE BULLETINS TO:

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



John & Lillie Lewis
6225 Judson St.
Lincoln, NE 68507