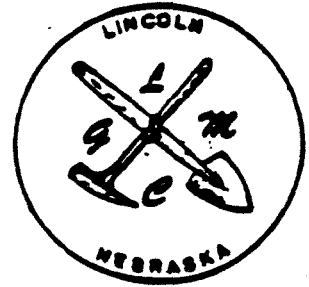


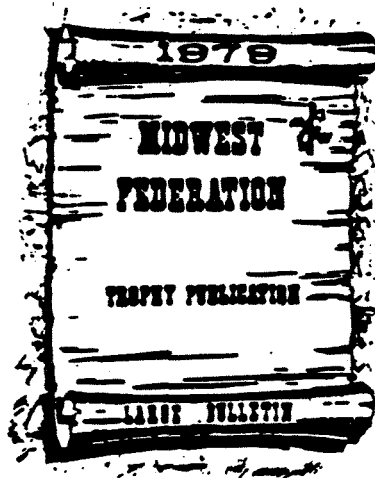
THE PICK & SHOVEL

OCTOBER 1985



In this issue

"THE VIOLENT EARTH"
"KRAKATOA"



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)
Community Arts Council of Lincoln (CAC)

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

1985 ELECTED OFFICERS:

President	Claude Scott	4917 Normal Blvd.	Lincoln, 68506	488-0739
1st Vice Pres....	Roger Pabian	315 'D' St.	Lincoln, 68502	474-2034
2nd Vice Pres....	Linda 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....	Mark Mercier	3316 'R' St.	Lincoln, 68502	476-6242
Board Member....	Jim Stewart	1339 Eastridge Dr.	Lincoln, 68510	489-2867
Board Member....	Marie Taylor	910 New Hampshire	Lincoln, 68508	476-3707
Board Member....	Janet Wright	3715 S. 33rd St.	Lincoln, 68508	488-1884

NOMINATING COMMITTEE -- 3 years: Vera Lyman, John Lewis
2 years: Jim Parks, Ervin Marshall
1 year: Richard Haney, Wilfrid Wittmann
Jim Taylor, Chairman

LONG RANGE PLANNING AND BY LAWS COMMITTEE:

1 year - Marie Taylor, Vera Lyman 3 years - Jim Taylor, Irl Everett
2 years - John Abel, Roger Pabian Jim Taylor, Chairman

STANDING COMMITTEE CHAIRPEOPLE:

Calling.....	Phyllis Parks	Membership.....	Linda Parks
	Marie Wells	MWF Liaison.....	Marie Taylor
Education/Publicity...	Roger Pabian	Programs.....	Bob & Mary Walker
Historian.....	John & Lillie Lewis	Scholarships.....	Marie Taylor
Hospitality.....	Susan Taylor	1985 Rockhound/yr...	Roger Pabian
Housing/Property.....	Claude Scott	1985 Annual Show....	Vera Lyman
Junior Activities.....	Janet Wright	1986 Annual Show....	Fred Holbert
Librarian.....	Jim Parks	Christmas Party.....	Marie Taylor

AUDITING COMMITTEE 1984.....John Abel, Ervin Marshall
Virginia Green, Phyllis Parks, Treas.

PICK & SHOVEL STAFF:

Editor.....David Heffelbower 1819 Washington, Lincoln, NE 68502
Asst. Editor....Vera Lyman 420 N. 56th St. Lincoln, NE 68504 (NAOESCI)
Sunshine Corner..Susan Taylor
Reporters.....Julius Young, "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.

Calendar of Events

GENERAL MEETING: A special Halloween outing will held again this year.
 7:30 P.M. at the Bethany Park shelter. October 26th, 1985
 Those who signed up to bring cookies please remember.

YOUTH MEETING: Same location, 7:00 P.M.

BOARD MEETING: 7:30 P.M., November 7th, 1985
 American Charter S & L
 40th & South Streets

* * * * *

OCTOBER 19-20	GRAND ISLAND EARTH SCIENCE SOC. Grand Island, NE	SHOW
OCTOBER 26-27	NORTHEAST NEBRASKA ROCK & MINERAL SOC. Norfolk, NE	SHOW
OCTOBER 5-6	SIOUXLAND GEM & MINERAL SOCIETY Senior Center, 3rd & Pierce, Sioux City, Iowa	SHOW

Regional Show Schedule 1985

CALIFORNIA	EASTERN	MIDWEST	NORTHWEST	ROCKY MOUNTAIN	SOUTH CENTRAL
Ventura California July 26-28	Charleston W. Virginia June 20-23	Sioux Falls South Dakota July 18-21	Burley Idaho August 2-4	Denver Colorado Sep. 13-15	Wichita Falls Texas April 5-7

A HALLOWEEN WISH:

Scarecrows look scary,
but everyone knows
they never scare people--
they only scare crows!
And this one's so friendly,
he'd never be mean--
he's just come to wish you
a fun Halloween!



Got word that Helena had an accident and was hospitalized for a short while. Take it easy, Helena!

Hope you're all "treated" nicely on Halloween!

Suze Sunshine

A SPECIAL THANK-YOU

Thank you Lincoln Gem & Mineral Club members for your flowers, visits, cards and calls during my recent hospitalization. All were real morale boosters and were much appreciated.

Roger Pabian

PRESIDENT'S MESSAGE

With our record-setting low temperature the day of our September general meeting, and an all time record of earliest measurable snowfall the following day, it really made a person ask "where did the summer go ?"

It was nice to see a number of our members at the September general meeting. The attendance was quite good, but I feel that more people would have ventured out if the weather had been better.

Many of you remember our general meeting of October, 1984 which was held in a shelter on one of our city parks. The attendance was terrific and I think that everyone had an enjoyable evening. GOOD NEWS! We are going to have our October general meeting in the shelter at Bethany park. The shelter has been remodeled, and will be warm. The juniors are going to do something special. I hope that EVERYONE turns out on October 26 for a friendly evening.

See you then.

- Claude

NOMINATING COMMITTEE REPORT

The nominating committee has met and has announced the following slate of officers for 1986.

President:	No candidate
1st Vice President	Linda Parks
2nd Vice President:	Janet Wright
Treasurer:	Phyllis Parks
Secretary:	Vera Lyman
Board of Directors:	Fred Holbert
	Nelia Miller
	Kevin Schwartzman
	Tom Simmons
	Marie Taylor

Since we have no candidate for president, we must nominate and elect a president at the meeting. Please give this some serious thought and come prepared. Remember that candidates must have served for one year as board members.

"KRAKATOA"

This was a film describing the volcanic forces involved in land building. The areas shown were the Pacific Rim, the Mediterranean and Hawaii.

This film was made about forty years ago; so that recent eruptions (such Mt. St. Helens), were not portrayed. The importance of this process of land building and to agriculture and mining was stressed. Volcanoes bring rock and minerals up from the earth's mantle to replenish the soil and offset losses due to erosion.

Much footage was shown on eruptions of Vesuvius, Etna, Mauna Loa and Kilauea. This was all rather noisy, but was very instructive as well as instructive. All this set the stage for the principle event; the largest volcanic eruption in modern times.

The eruption of Krakatoa in 1883 was covered graphically, since no film exists. The island covered a vast submarine lava cauldron and erupted in such a way that the entire central core of the volcano was torn away; exposing the molten lava to the sea. The resulting explosion tore five cubic miles of rock from the island.

The tidal wave ravaged the lands and islands of the South China Sea, and was measured in the English Channel. About 30,000 people were killed and wreckage was extensive. The sound wave was heard in Australia 1300 miles away, and circled the earth three times. Rock dust and gases in the atmosphere caused severe meteorological disturbances (1884 was known as the year without summer--Ed); and caused strange and beautiful sunrises and sunsets for years afterward.

This will be my last issue of the Pick and Shovel. The move is caused by my having to spend more time with my personal business for awhile. I have enjoyed editing the bulletin and will continue to be active in LGMC.

Dave Heffelbower

LINCOLN GEM & MINERAL CLUB, INC. * BOARD OF DIRECTORS - Sep. 4, 1985

The meeting was called to order by President Scott on Sep. 4, 1985, 7:30 P.M. at the Taylor home with 7 Board Members present.

Minutes of the May Meeting were read. Motion for approval by Marie Taylor, 2nd by Jim Stewart. Motion carried.

Treasurer's report was read. Motion for approval by Janet Wright, 2nd by Linda Parks. Motion carried.

BILLS: Paid but presented for approval:

\$ 49.12 NE Center, March Meeting & refreshments
77.35 UN Printing - April Pick & Shovel
5.85 Accent Printing - Misc.
54.00 Officers Performance Bond
57.42 NE Center, April Meeting & refreshments
33.00 Security Storage - June
33.00 Security Storage - July
54.92 NE Center, May Meeting & refreshments
83.62 UN Printing, May Pick & Shovel
150.00 MWF - Film Library
33.00 Security Storage - August
44.61 Jim Taylor - Repair PA System
33.00 Security Storage
11.40 Postmaster - Postage

For approval and payment:

\$ 100.00 David Heffelbower - Delegate to MWF Show-Convention
Sioux Falls, SD in July
4.30 Claude Scott - Postage & Phone
33.00 Security Storage - Oct.
6.23 Phyllis Parks - Misc. supplies
65.87 NE Center - Aug. Program Meeting & refreshments
3.48 David Heffelbower - Difference in postage on P & S
62.50 Postmaster - Roll of stamps for P & S

Motion for approval by Vera Lyman, 2nd by Marie Taylor. Carried.

OLD BUSINESS:

Janet Wright: Reported findings on Poloroid Camera; an inexpensive model that anyone can use. Roger to purchase one. She also had requested possible change of Board Meeting dates. Leave as is for now.

Linda Parks: Could not locate anyone in town to make Club Name Tags. To contact Skip Lambert and see if he will do it for us.

Marie Taylor: Indicated Pick & Shovel must be out before meeting in order to be of any usefulness. Board all agreed.

NEW BUSINESS:

Thank You card from Mark Mercier for Congrats from Club for Graduation & Wedding.

Phyllis Parks: Norfolk Rm reserved for Sept., Oct., & Nov. Meetings. Nov. - Cider, Coffee, & Cookies

Certificate of Deposit- First National Lincoln - Due for renewal. Motion by Vera Lyman to renew as is now; 6 Mo. @ 7.55% 2nd by Janet Wright. Motion carried.

BOARD OF DIRECTORS - Sept. 4, 1985 - continued

Linda Parks: Question of entering LGMC Membership on computer. Board decided that club not in position to necessitate such vast information at this time.
Claude Scott: Requested that Marie check with NE Center regarding Christmas Party. Sat. Dec. 7 6:30 P.M. Columbus Rm.
Vera Lyman: Uncertainty of where Board Meetings will be held each month. Each member to check on possible locations & prices.
Janet Wright: Wondered about possibility of Oct. meeting in Park as last year. To check with Bethany Park. Also need of Club projector for program presentation.

Motion by Jim Stewart to check into getting projector repaired; whatever needs to be done. 2nd by Phyllis Parks. Carried.

MEMBERSHIP: Application by:

Bill & Shirley Rockel
1134 W. Avon Ln. 68505 464-3059

Motion for approval to accept by Marie Taylor. 2nd by Jim Stewart. Motion carried.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - Sep. 28, 1985

The meeting was called to order by President Scott on Sep. 28, 1985, 7:30 P.M. at NE Center, Norfolk Room.

Motion for approval of the minutes of the May meeting as printed by Irl Everett; 2nd by Marie Taylor. Carried.

Motion for approval of the Treasurer's report as printed by David Heffelbower; 2nd by Lillie Lewis. Carried.

HOSPITALITY REPORT:

Susan reported that 33 members were present and also 4 Juniors. She announced that Roger Pabian had been hospitalized, but home now and doing much better.

OLD BUSINESS:

A number of years ago, Adeline was asked to design an FFA emblem. This is the emblem that now appears on all FFA jackets. For her efforts she was honored at a dinner and received the "FFA Blue & Gold Award" (Plaque). She was also made an honorary member of the North-east FFA Chapter.

NEW BUSINESS:

Jim Taylor, Chairman of the Nominating Committee, presented the slate of officers for 1986; as prepared at the Committee meeting held on Sep. 13, 1985. The slate is as follows:

- continued

LINCOLN GEM & MINERAL CLUB, INC. - General Meeting - continued

Board of Directors - Marie Taylor Nelia Miller
 Fred Holbert Kevin Schwartman
 Tom Simmons

Treasurer - Phyllis Parks
 Secretary - Vera Lyman
 2nd Vice - Janet Wright
 1st Vice - Linda Parks
 President - Noone

President Scott then made three calls for nominations from floor for each office as follows:

	- Motion to cease nominations	- 2nd to Motion
1st Vice - none	- Marie Taylor	- Wilfrid Wittmann
2nd Vice - none	- Helena Baegl	- Irl Everett
Secretary - none	- Linda Parks	- Richard Miller
Treasurer - none	- Wilfrid Wittmann	- Lillie Lewis
Board - none	- Susan Taylor	- Linda Parks
President - John Lewis	- but he declined	

Still can work on this until Nov. It was suggested that Claude Scott assume presidency until he retires or moves from Lincoln. Then 1st Vice fill position until end of year.

President announced that Marie Taylor had confirmed date for Christmas Party. It will be Dec. 7, 1985, 6:30 P.M. Columbus Room at NE Center. More details at Nov. meeting.

October Meeting will be in Bethany Park Shelter, Oct. 26 at 7:30 P.M. Come in Halloween costume! Cookies, Hot Cider & Coffee.

Board Meeting - Oct. 3, 7:30 P.M. 4000 S. 27th, Am. Charter Bldg.

Irl announced several rock collections for sale.

Marie announced that Mary Wareham of Hastings and also Jim McGrew, Hebron Club, had passed away.

Program: "Krakatoa" from club Library was presented. Outstanding!!

Respectfully submitted,

Vera Lyman
 Vera Lyman, Secretary

LGMC Treasurer's Report - October 1, 1985	NBC Checking 9/1/85	\$419.66
Receipts: First Nat'l Bank, Interest on 6 month CD	700.24	
(\$350 to First Fed. Trans.)	to NBC Checking <u>350.24</u>	\$769.90
Payments: Dave Heffelbower, MWF Delegate Exp.	100.00	
Postmaster, pre-cancelled stamps	62.50	
Nebraska Center, Aug. program mtg.	65.87	
Lincoln Parks/Rec, Oct. mtg.	30.00	
Security Storage, Oct.	33.00	
UNL Printing & Duplicating, Sept. P&S	54.39	
Misc. Exp. (postage, calls, printing)	<u>14.01</u>	\$359.77
National Bank of Commerce Checking Balance	September 30, 1985	\$410.13

THE VIOLENT EARTH

Volumes could be written about violence on earth; the results of stupidity and avarice of this world's traditionally chosen and favored creatures, commonly called the "human race"; the progeny of genus Homo and species sapiens i.e. modern "persons". This month's theme deals with vagaries of nature, not those of the sinful descendents of the original garden club.

Recent news stories have featured earthquakes, floods and atmospheric turmoil. I shall not attempt to infringe on that reportorial field, but there are a few facts and figures from various sources that may be interesting, with small reference to personal experience.

Mexico City's two recent major earthquakes, Sept. 19, 21 - 1985 shared the news with hurricane "Gloria" as "she" spun up the U.S. east coast from Florida to Canada, but fortunately with lessened power, as usual over land; yet very destructive and frightening. Thousands of coastal dwellers fled to safety, the N.Y. stock market closed, and so did Atlantic City's casinos for the duration. The Titanic and Halley's comet played "second fiddle" for awhile.

Most people do not realize the magnitude of damage and loss of life due to earthquakes and storms during the current century as well as in earlier times, which were greater. The most recent Time Magazine lists the top ten quakes since 1900. They range from 29,970 to 242,000 deaths, and from 7.0 to 8.6 on the Richter Scale in power. Mexico City's Sept. 19th, 1985 quake registered 7.8, and the one on Sept. 21 slightly less. Death toll may run to several thousands when the count ceases. The greatest quake known occurred in Chile, May 1960 and rated 9.5. Scientific measurement is rather new, and earlier tremors are only estimated.

Most heavy quakes since 1900 were in China, Japan, Italy, India and South America. The San Francisco quake in 1906 deaths were 700, largely because of fire which is usually following, and Richter Scale estimated at 8.3. It is said to be the greatest in U.S. history. Rating scales are difficult to understand, and only recent dictionaries attempt definitions. Below is from New World Dictionary, 1979:

"Richter Scale: a scale by which the magnitude of earthquakes is measured, having graded steps from 1 to 10, with each step approximately 60 times greater than the preceding step, and adjusted for different regions of the earth."

I find no recorded earthquake has exceeded 10 on the Richter Scale. Mexico City's recent 7.8 rating was high enough to cause tremendous destruction, as news photos have vividly shown. The death toll, miraculously, may not exceed a few thousands, though that may be revised. The damage pattern seems to be irregular. Many ancient structures survived with little or no damage, while nearby modern ones were reduced to piles of rubble. The old-timers apparently knew how to build for permanence, without benefit of computers.

- continued

THE VICLENT EARTH - continued

Ancient works abound in and near Mexico City. The Aztec capital, Tenochtitlán, was there long before Cortez plundered the area and "made off" with over 25,000 pounds of gold and 134,000 pounds of silver from Mexico and Chile. Much of that loot was melted-down, finely-wrought objects. (Shame on those thieving, bad hombres!)

Mexico City is built on an ancient, dry lake bed, altitude over 7,000 ft., which is still subsiding to lower levels. This poses great problems for water supply and sewage disposal; not easily solved. This old Aztec city's modern replacement is rapidly becoming the world's most populous city, with little hope of relief.

The physical nature of the dry lake bed surrounded by mountains and volcanoes accounts for much of the destructive effect of this recent quake, with its epicenter 200 miles away in the Pacific Ocean, beyond solid rock shorelines. Many places in line had much less damage.

Tectonic plates of earth's crust, varying in depth from 20 to 150 miles, are believed to be in constant movement, slowly colliding and scraping together in certain areas. This creates fault lines, and changes land surfaces world-wide. Energy involved in these contacts is transformed into earthquake action, and the heat of hot springs, geysers and volcanoes. Much of continental mass movement is measurable with modern devices. Scientists may correctly predict future earthquakes, hopefully!

Myrtle and I felt a definite, minor earthquake about 15 years ago while we were in Hilda Neihardt Petri's two story brick home just north of Columbia, Missouri on the Moberly road. I was in an upstairs bedroom preparing some boxes of Neihardt memorabilia for the Western Manuscript Collection at University of Missouri. Poet Neihardt was resting in a room nearby. Myrtle was dialing the University at Columbia regarding the collection, on a 1st floor wall phone.

Suddenly the wall seemed to vibrate and Myrtle lost contact with the phone. The walls on second floor vibrated too, but no visible damage occurred. That quake was felt in Lincoln; the origin was near St. Louis. I don't know the Richter Scale rating.

We were in Billings, Montana when the 1959 quake wrecked the west Yellowstone area, but we were unaware of it. A dormant fault crosses S.E. corner of Nebraska, not thought to be dangerous. America's heaviest quake made a huge lake near New Madrid, Mo. in 1811; about 500 miles S.E. of Lincoln -- Richter rating was not known. (Charles Richter was not yet on the drafting board!)

P.S. Charles Richter died suddenly Sept. 30th, 1985. (See article on p. 2, this issue of Pick & Shovel)

- Submitted by J.D. Young



.. JUNIORS

JUNIOR LGMC

We will meet the half hour (7:00 P.M.) before the LGMC October meeting at the Bethany Park shelter.

ALL juniors are to come in costume, as a rock or mineral. Prizes will be awarded! The Juniors plan to hold elections for officers officers at the October meeting also. We are all looking forward to our Halloween Party and to the cookies and cider.

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Please join us and bring an interested friend
and potential member for our
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in

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16th and W Streets,
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Nebraska Hall Parking
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West lot 20

RSVP
472-2637
by October 9, 1985

*Less than 1% of our 3.5 million specimens are on exhibit in Elephant Hall.

Seismologist Richter dies

PASADENA, Calif. (AP) — Charles F. Richter, the pioneering seismologist who helped develop the Richter scale to measure the power of earthquakes, died Monday after a long battle with heart disease. He was 85. Richter retired as a professor of seismology at the California Institute of Technology in 1970.



Richter

Via the Lincoln Star, Tuesday, October 1, 1985, News Digest Section, p. 3

Midwest Federations NEWSLETTER



Published monthly except July and August as a service to member clubs. All news and articles should be sent to the Editor, Mrs. Lois Blackburn, 902 North St., Appleton, WI 54911. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Ave., Des Moines, IA 50311.

PRESIDENT Edwards Appleton, WI 60466	1ST VICE-PRESIDENT William Parch PO Box 180 Fountain City, WI 54629	2ND VICE-PRESIDENT Mrs. Esther Mullaly 30018 Dawson Garden City, MI 48135	SECRETARY Miss Jean Reynolds 107 Tuttle Avenue Claredon Hills, IL 60514	TREASURER Mrs. Kitty Starbuck 7636 V Avenue East Vicksburg, MI 49097
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SEPTEMBER, 1985 Issue No. 255

IMPORTANT NOTICE IMPORTANT NOTICE IMPORTANT

Persuant to Executive Committee Action, the Midwest Federation will no longer accept subscriptions to the Newsletter. Present subscriptions will be honored through the December 1985 issue. Clubs having subscriptions which run beyond that date should contact the Midwest Federation Treasurer giving the number of months, number of copies per month, and the amount to be refunded.

President Jim's Corner

We had another successful Convention and Show in Sioux Falls, SD July 18-21, 1985.

Most of our Executive Committee people were present and 64 delegates from the Clubs were also present at the Council Meeting on Saturday. That is only about 25% of the clubs represented.

People ask, "What does the MWF do?" What better way to see it in action than to attend a Convention and show. Your next chance will be July 17-20, 1986 in South Bend, IN.

Each of the Committee chairpersons gave a written or oral report on the activities of their committee. About 65% of the Committees had a report. I would like to see that increase also. We need good people willing to work and willing to come to meetings. A good place to start is to help on a committee to see what goes on and then when you are experienced, step up to the chairmanship job. Don't be shy, come on and join the fun.

New chairpersons were announced. For the State Director of Illinois, Mary Henning will take the job. Bob Heinek will be State Director for Indiana. The Newsletter will be done by Lois Blackburn. Bulletin Editor Aids will be taken over by Lois McMahon.

Jim Taylor had to resign as Show/Convention Chairman. We need a new person in that job - anyone interested?

At the live auction for the MWF Endowment Fund we raised \$777.10. The silent auction earned over \$200 for the AMFS Scholarship fund.

At the South Bend Show in July 1986, we hope to break the record of 203 Competitive displays. Everyone bring your best "stuff" and show it at South Bend. This is your big chance to show at a combined MWF/AFMS show close to home.

The Fall meeting of the Executive Council will be in Dearborn, MI., on November 2, 1985. If you plan to go and do not know the details, get in touch with me or Happy Gibb of 622 - 8th Street, Wyandotte, MI., 48192. Details will be mailed out by Jean Reynolds later with the Committee Reports.

It has been fun being President for the past year. I appreciate all the help the committees, officers, assistants, directors, etc., have given. All I have to do now is stand up and be introduced as the Past President!

Jim Edwards, President, MWF

ADULT ADVANCED ORIGINAL ARTICLES

1. THE AMAZING DESERT, Lorraine Burson, author, published 2/84 in Crystal Cluster, IL.
2. NEW CATEGORIES FOR OLD FOSSILS, Paul Harris, author, published in Ozark Earth Science News, 4/84, AR.
3. MICHIGAN'S SECOND MOUNTED MASTODON, Ron Smith, author, published in The Petoskey Stone 3/84, MI.

CERTIFICATES

4. STONE TOOLS, Jean Reynolds, author, published in Earth Science News, 12/84, IL.
5. CRYSTALS OF THE ISOMETRIC SYSTEM, John Ade, author, published in Esconi, 11/84, IL.

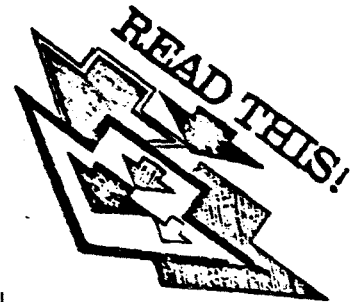
Congratulations to all who entered the contest and to all winners!!!!

Please watch the newsletter for the next contest, usually announced in October!!

PLEASE LET YOUR BULLETIN EDITOR AIDS CHAIRMAN KNOW IF YOU MOVE OR IF YOU ARE A NEW EDITOR OF A BULLETIN, SO YOU CAN BE ON HER ROSTER. Thanks!

I have enjoyed reading all of your bulletins, mini, small, and large.

Rita C. Hagerbaumer, BEAC
Hazel Kuntz, Asst.



MERIT AWARDS COMMITTEE REPORTS

The Merit Awards Committee received applications from 26 clubs this year. This is more than any other federation received. based on scores of 90 or more, three of our clubs were entered in National Competition. They were:

1. Calumet Gem & Mineral Society
2. Wisconsin Geological Society
3. Neville Public Museum Geology Club

At the AFMS Show at Charleston, The Neville Club received a second place rating, sandwiched in between two California Clubs. This was in National competition. This club scored a 93 or better by five different judges. They found the club had many attractions for new members, good field trips, good show, great support for youth and senior citizens, and the programs were excellent.

The Calumet Gem and Mineral Society is a repeat winner in this competition. The club does everything well but lots of things better. Its best and most useful tool is its success in getting items into press—four papers regularly published information of the club's activities. At the time of the report the club was nearing 2000% in support of the AFMS Scholarship Fund.

Another repeat performance was given by the Wisconsin Geological Society. This club's report was prepared by enthusiastic members. The club showed great skill and capability in hosting the 1984 MWF SHOW. This club will celebrate its 50th anniversary in 1986. It must be doing something right.

In addition to those clubs winning awards at the national level, the Midwest recognizes clubs which in one way or another, have unique features or make unusual contributions to their local group and community, as well as to the welfare of the MWF. At Sioux Falls, six clubs received the Midwest Club Award. All awards are of equal merit and the order and presentation does not indicate a rank of any sort. These clubs are:

Gem City Rock Club
The Park Forest Earth Science Club
Midwest Mineralogical and Lapidary Society, Dearborn
Earth Science Club of Northern Illinois
Michiana Gem and Mineral Society
Black Hawk Gem and Mineral Society

The MERIT AWARDS COMMITTEE thanks the clubs for their participation. We hope many more clubs enter next year. The committee was composed of these judges: Alan Hukill, Margaret Heinek, Joe Claxton, and Helen Smith. I wish to thank them for their work and cooperation.

Ben Moulton,
Chairperson

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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)

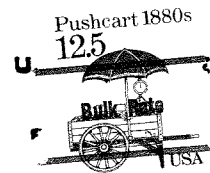
New membership must be approved by the Board, after applicant attends at least one (1) regular meeting of the club, and pay the above dues plus \$1.00 registration fee.



H.E.L.P.

HELP ELIMINATE LITTER PLEASE!

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