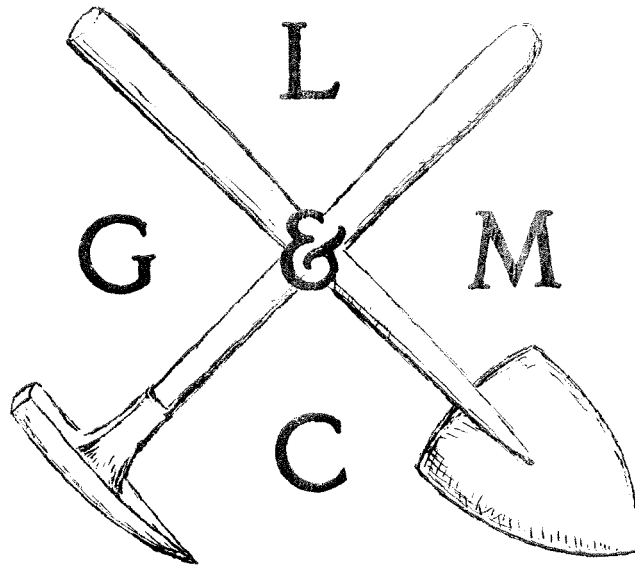


THE PICK & SHOVEL



OFFICIAL PUBLICATION OF
LINCOLN GEM & MINERAL CLUB
LINCOLN, NEBRASKA

LINCOLN GEM AND MINERAL CLUB, INC.
P. O. Box 5342, Lincoln, Ne. 68505

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: Midwest Federation of Mineralogical and Geological Societies (MWF)
American Federation of Mineralogical Societies (AFMS)
Nebraska Association of Earth Science Clubs, Inc. (NAOESCI)
Nebraska Academy of Sciences
Community Arts Council of Lincoln

Regular Meetings: 4th Saturday of the month, September thru May, 7:30 P. M.
1979 - Trabert Hall, Lower Level, 2202 So. 11th St.

1979 ELECTED OFFICERS & COMMITTEE

President.....	Howard Taylor	910 New Hampshire	Lincoln, 68508	432-3707
1st Vice Pres...	James Marburger	1910 So.26th,Apt.B	Lincoln, 68502	432-0214
2nd Vice Pres...	Bob Daniels	4030 St. Paul	Lincoln, 68504	466-5036
Recording Secy..	Vera Lyman	420 N. 56th St.	Lincoln, 68504	464-6089
Treasurer.....	Hazel Greenwade	6027 Fremont	Lincoln, 68507	466-4788
Board Member....	Larry Bigley	6126 Hartley	Lincoln, 68507	466-0211
Board Member....	Ray Lambert	1201 N. 79th St.	Lincoln, 68505	464-8552
Board Member....	Phyllis Parks	2435 S. 19th St.	Lincoln, 68502	432-6798
Board Member....	Frank Rule	6333 Kearney	Lincoln, 68507	466-1697

Nominating Committee-3 years..Wilfrid Wittman, Edwin Johnson; 2 years..Marita Bigley,
Lynn Wells; 1 year..Marie Wells, Irl Everett

STANDING COMMITTEE CHAIRMEN:

Program	Bob Daniels	Liaison & Calling	Marie Taylor
Education	James Marburger	Refreshments	Sylvia Daniels
Hospitality	Goldie Quinn		Shirley Roberts
Historian	Lois Everett	Scholarship	Ed & Vivian Johnson
Librarian	Paul/Stam Greenwade	Special Outside	
Membership	Marita Bigley	Displays	Virgil Carveth
Field Trips & Safety	Frank & Tom Rule	Housing & Property	Dick Roberts
Sunshine Corner	Susan Taylor	Publications	Larry Bigley
NAOESCI Reporter	Evelyn Ulrich	Auditing Comm. 1979	Dick Roberts
1979 Show Chairman	Glen Lyman		Nelda Oliver
			Marie Taylor

LONG RANGE PLANNING & BY-LAWS COMMITTEE

1 year remaining..Larry Bigley & Don Carter, 2 years remaining..Nelda Oliver &
John Harrison (John-Chairman), 3 years to serve..Jim & Phyllis Parks

1980 NATIONAL SHOW PLANNING COMMITTEE - selected 1977 General Meeting -
Howard Taylor, John Harrison, James Marburger, Tom Simmons, Roger Pabian, and
Frank Rule. Committee selected Howard Taylor as Chairman and added Ray Lambert
as Secretary.

PICK & SHOVEL STAFF: Chairman...Larry Bigley (466-0211)
Editor Evelyn Ulrich, 3521 S. 48th St., Lincoln, Ne. 68506, Phone 488-9051

Club News	Helena Baegl	Artwork Stenciling	Jim Parks
Sunshine	Susan Taylor	Publisher	Phyllis Parks
Typists	Flossie Litzenberg, Marita Bigley & Linda Parks		

Deadline for material to be printed is 1st of month it is to appear

Articles published in THE PICK & SHOVEL may be reprinted if credit is given the
author and the bulletin, and a copy of the publication is sent to the editor.

CALENDAR

January Meeting...January 27, noon to 10 P.M.
Trabert Hall, 2202 So. 11th St.

LGMC will be celebrating its 24th birthday. Celebration will begin at noon with a Swap. Details found on Swap Flyer in back part of bulletin. Business meeting: 7:30, followed by program. Stan Greenwood will show slides of LGMC activities. Don't miss this very important occasion.

Refreshments will be served by the Refreshment Committee, Mrs. Daniels and Mrs. Roterts. Birthday cake, coffee and fruit drink will be served.

IGMC Board of Directors Meeting: Febr. 1st, 7:30 P. M.
Home of Frank Rule-6333 Kearney

Directory Changes:

- Mr. and Mrs. Gies Litzenberg, Telephone: 435-4147
- Bob and Sylvia Daniels, 4030 St. Paul, 68504, Telephone: 466-5036
- Roger Pabian, 315 D St., 68502, Telephone: 474-2034

Welcome New Members:

- Bob and Mary Walker, 204 S. 44th, 68510, Telephone: 488-8620
- Rhonda & Jimmy Archuleta and Eileen Duncan - Junior Members same address

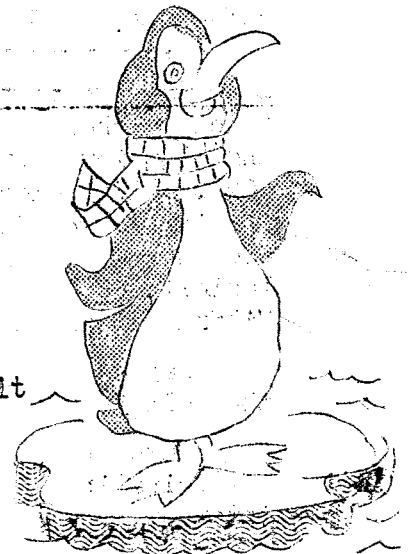
1979 Dates to Remember

Mar. 9-11	Kansas City, Mo.	Assn. of Earth Science Clubs of Greater Kansas City, K. C. Trade Mart, 250 Richards Rd.
Mar. 24-25	Lincoln, Ne.	Lincoln Gem & Min. Club Show, Nebraska State Fair Grounds
Apr. 20-22	Wichita, Ks.	Wichita Gem & Min. Soc. 26th annual show, Cessna Activity Center, 2744 Geo. Washington Blvd.
May 19-20	Hot Springs, S. D.	Picture City Gem & Min. Soc. Show
June 2-3	Hebron, Ne.	State Swap
June 8-10	Rapid City, S. D.	Rocky Mt. Fed., Black Hills Gold Rush Show, 444 Mt. Rushmore Road
July 14-15	Columbus, Ne.	Loup Valley Gem & Min. Soc. Show, Holiday Inn.
Aug. 2 through 5	Columbus, Ohio	MNF Show & Convention,
Aug. 18-19	Crawford, Ne.	N.W. Nebraska Rock Club Show, City Pavillion

LAST CHANCE - to pay your 1979 membership dues without paying a reinstatement fee. Dues were due January 1 and become delinquent January 31, 1979.

- Renewal dues - \$4.00 per adult member
- 1.00 per junior member
- 9.00 family membership-2 adults and children under 16.

Dues may be paid to Treasurer Hazel Greenwade at meeting or mailed to LGMC, P. O. Box 5342, Lincoln, Ne. 68505



Time Flies

LAST MONTH - Lets bring everyone up to date on the November meeting which was held on December 9th after two bad-weather postponements. 36 members and 4 juniors attended the annual meeting at which new officers were elected for 1979. These elected were Howard Taylor-President, James Marburger-1st Vice President, Bob Daniels-2nd Vice President, Vera Lyman-Recording Secretary, Hazel Greenwade-Treasurer, and to serve on the Board of Directors-Larry Bigley, Ray Lambert, Phyllis Parks, and Frank Rule. Nominating Committee for 3 year term- Wilfrid Wittmann and Edwin Johnson.

May we all get our rock-lovin' selves in gear and give these officers all the help needed to make 1979 a great memory for the years to come!

Taken up at the November meeting was the question of Club Member Dealers as participating dealers in our annual shows. The Board proposed that all who were interested in applying for dealer space be placed on a rotating basis by drawing numbers and that we accept one for each show with the next in line to be on stand by in case of a cancellation. After discussion the club members present voted to allow two local dealers per show since we normally have 12 dealers per year. This can not take effect in 1979 as 11 dealers have already signed contracts for our March Show.

Meeting ended with the serving of many delicious pies brought by the members and served by the refreshment committee.



In January 1969 a panel discussion followed the presentation by Mr. Claude Clarey, President of Nebraska Association of Earth Science Clubs, Inc., concerning the state organization. There were a lot of questions from our club members, since we were not yet members of NAOESCI.

Slides of a field trip to Wyoming in June 1969 were shown by Howard Taylor, Jim Parks and Lynn Wells.



20 Years Ago, in January 1959, we had a Rock Quiz on 65 mineral specimens. Program was presented by Irl Everett, President.

from the notebooks of Lois Everett, Historian (by Irl)

Greetings from the Sunshine Corner:

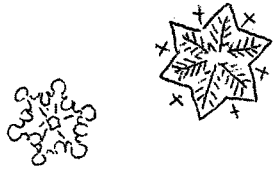
"Nature is beautiful, always beautiful! Every little flake of snow is a perfect crystal, and they fall together as gracefully as if fairies of the air caught waterdrops and made them up into artificial flowers to garland the wings of the wind."

Mrs. L. M. Childs

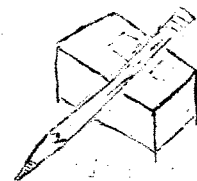
This month a wedding congratulations card was sent to Club Member Laurence Wightman and his new bride.

Until next time!

Suze Sunshine



FROM THE PRESIDENT'S DESK



Fellow Rockhounds:

Well here we are January 1979. Some new officers and some of the old ones are again ready to serve the club. I enjoyed the Christmas party and hope the rest of you that attended did also. We did have a nice turn out.

Thanks to all the members who had jobs last year and are not back again this year. Your efforts and participation made all the rest of our jobs easier.

In our first venture for 1979 at our January meeting will be our SWAP. This is a first so hope you will all show up and help to make it a huge success.

We have started the policy for "The Rockhound of the Year Award". In this issue are the basic rules for participation for you as a member of our Club. Lets all get behind this project and see what we can do with it.

We have received our 500% plaque from the AFMS Scholarship Foundation and also our 600% sticker to go on this plaque. I am very proud of our club for this accomplishment and of course you as members are the ones who have done it. Thank you all so much and lets keep up the good work.

Hope to see you all at the Swap and Meeting on January 27th starting at noon. Don't forget "Dues are Due!"

Howard

LAST CALL

We have the new map to "reduce" Gems on Location. Many of our current member's talents are not represented. If you would like your cutting to "be on the map" cabs or faceted stones up to 18 x 25 (13 x 18 or smaller preferred) and from the states of Alaska, Delaware, Georgia (no peanuts please), Hawaii, Indiana, Massachusetts, New Hampshire, Rhode Island, South Carolina, and the still District of Columbia are needed.

All other states can use a boost too.

Old Hands Welcome!

Jim

From the Editor's Desk.... Janus, the Roman God for which January was named, had two faces- one face looking into the past, the other into the future. This is the time of the year when we do just that; we look back into the past to assess the value of the things we have already accomplished, and into the future to anticipate the success of the goals which we have set for ourselves. Janus was also considered to be the god of all beginnings. Right now LGMC is very much concerned with future events. We have enjoyed a very successful year, and now we are making plans for even greater achievements. There will be new challenges- lots of work- and lots of good fellowship. To really appreciate our membership in the club we need to get involved in the activities of the organization. Sometimes we may feel that we do not have the knowledge of the duties that need to be performed and hesitate to accept them thinking others can perform the task better than we. There is an old educational adage that is very true.. The Dewey philosophy was that we learn by doing. This is very true.. To really enjoy membership to the fullest it is necessary to take part. Let's all get involved. With all members working to the best of their ability we can have the best year ever.

Happy New Year! Evelyn

RING OUT, WILD BELLS

Ring out, wild bells, to the wild sky,
The flying cloud, the frosty light;
The year will die ere falls the night;
Ring out, wild bells, and let him die.
Ring out the old, ring in the new,
Ring, happy bells, across the snow;
The year is going, let him go;
Ring out the false, ring in the true.

Ring out the grief that saps the mind,
For those that here we see no more;
Ring out the feud of rich and poor,
Ring in redress to all man-kind.
Ring out false pride in place and blood,
The civic slander and the spite;
Ring in the love of truth and right,
Ring in the common love of good.

Alfred Tennyson, 1850

- " My New Year's resolution is to stop correcting people."
- " If you can stick to a resolution, you have more willpower than me."
- " More willpower than I."

Pete Hansen, Chicago Tribune via Readers Digest

I'm extremely sorry that some of you may get copies with barely legible sections at the top of several pages. Of the 5 stencils which I have printed so far three have pulled apart in the upper two and a half inches. I have not been able to determine if the stencils in question are old and have lost their quality or if our Mimeo machine is causing the problem. Hopefully by the time I have run the other ten stencils I'll have an answer so it can be corrected. In the meantime - please excuse! Phyllis

W E S A L U T E Howard J. Taylor

September 1961, Lincoln Gem and Mineral Club accepted into membership "The Howard J. Taylor Family", Howard, Marie, Jim and Susan. Discovery was made that this Family does not just 'join' to be listed as they became active in club meetings, field trips, lapidary, shows and displays.

Howard accepted the annual chairmanship of our shows several times culminating with the Centennial Rockrama of 1967, our first show at Pershing and a real extravaganza.



Howard J. Taylor

Howard was 1st Vice President the year of the Rockrama and served his first term as President in the award-winning year of 1968. Already plans were taking shape for IGMC to host the National Show in 1974 and Howard was on the original Steering Committee selected to formulate plans and secure facilities and chairpersons needed to put on a show the size of the National. Howard served as Dealer Chairman and was named Assistant Show Director by our 1974 Show Director Irl Everett.

In 1972 Howard was again elected to IGMC Board of Directors where he served through 1976, was elected 1st Vice President for 1977, President for 1978-his second term. Now in 1979 he is setting another record as he serves a third term as President of IGMC. He is the first person in our 24 year history to serve three terms.

During the years between 1968 and 1974 Howard filled other responsible positions and took a very active part in activities all over the United States.

When IGMC joined the Nebraska Association of Earth Science Clubs in 1970, Howard was one of our first delegates to the annual meetings. He was elected Vice President of NAOESCI for the year 1972 and served that office for two years. He was President of NAOESCI in 1974 and reelected for 1975 then served two years on the Board of Directors.

The MWF selected Howard in 1971 to act as Nebraska State Director and filled that office until 1973 when he was elected as Second Vice President of MWF for 1974, First Vice President for 1975, becoming President of MWF November 1975 until November 1976. As Past President for MWF he became a member of the Long Range Planning Committee until now and is Chairman of that committee for 78-79. He was a member of the Special Display Committee, Chairman of Nominating Committee for 77-78 year and has been elected Chairman of the Show and Convention Committee for 1978-1979.

During the time Howard has been active with the Midwest Federation he has traveled over the country to shows and meetings, usually taking displays. He is naturally a booster for IGMC as he does his various jobs for the Rockhounds of the Midwest.

While serving in various offices Howard works enthusiastically and attempts to stimulate others in the joys of our hobby. He (and his family) have made friends throughout the entire United States and keep in touch with many other members of our hobby, working to encourage and increase the number of rockhounds who can benefit from the various organizations or federations.

In addition to serving as President of IGMC in 1979, Howard is Chairman of the Planning Group for the 1980 National Show and will welcome offers and efforts of help in this busy year as we prepare for probably the largest GEM SHOW ever to be produced in the Midwest. The Motto "I-80 TO LINCOLN IN '80" will be on the lips of all 'rockhounds' in the United States until June of 1980, and our hat is off to Howard Taylor who will help make it happen.

ROCKHOUND OF THE YEAR AWARD

PURPOSE: To stimulate interest in the Lincoln Gem & Mineral Club and the Lapidary Arts.

ELIGIBILITY: Any member of the Lincoln Gem & Mineral Club (There will be one award for Adult member and one award for Junior member)

DURATION: January 10, 1979 thru January 10, 1980.

JUDGES: To be announced.

RULES:

- 1 point Attending Lincoln Gem & Mineral Club meetings.
(one point for each meeting)
- 5 points Giving slide presentation or demonstration at meetings.
(sorry, program chairman can't count regular meetings)
- 1 to 5 points Bringing Rocks (or related material) to display at
monthly meetings (one point per month)
- 5 points Displaying material at any Rock Show, Arts & Crafts Show
or Fair. (material must pertain to hobby---5 points per
show---5 point bonus for Regional Federation Show or
10 point bonus for National Show)
- 2 points Bringing item for Silent Auction.
- 1 point Checking books out of Club Library. (one point per month)
- 5 points Attending field trips sponsored by any Rock Club.
(5 points per trip)
- 5 points Submitting article to Pick & Shovel (the Editor will
attempt to publish as many as possible---sorry, regular
reports and normal Editor's news doesn't count--
5 points per month.)
- 5 points Bringing visitor to monthly meetings. (maximum of 2
meetings for any one guest to count. Families count
as one visitor--bonus of 5 points if the visitor joins
the club)
- 5 points Attending another Rock Club meeting. (maximum of 5 points
for each club during the year)
- 5 points Enrolling in any class pertaining to our hobby. (must
be Earth Science related)
- 5 points Giving Educational talk on some subject in the Earth
Sciences to an outside group. (schools, Scouts, etc.)

1979 SHOW

EGMC'S
21st

PROGRESS REPORT

The New Year is off to a fast start and so are the plans for our '79 Show.

Dealers, Special Features and Working Demos have responded well. Our outstanding feature will be the Amber Display.

The Raffle Committee has located a 12" RCA Television as 1st prize and Dremol Drill and Press as 2nd prize. These items should sell well to the public as well as the rockhound.

Many of the chairpersons need assistance between now and Show date. Please volunteer or be willing to help when asked.

The success of our Show depends on the willingness of all Club Members to help.

Your Show Chairman
Glenn Lyman

HELP NEEDED

for

SILENT AUCTION - '79 SHOW

We need rough materials-polished gems and finished jewelry. Dig deep in the "Ole Rock Bag" and let's come up with some really fine sales. Have all items securely labeled.

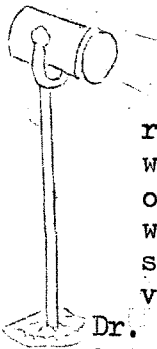
Please bring all donations directly to the Show. Paul and Bev Reuter will be around to take care of your donations.

Thank you for your help, and see you at the Show.

Paul & Bev Reuter
Silent Auction Chairpersons

A FINAL REMINDER - Dues are Due by January 31 if you wish to receive a Pick & Shovel in February. Hurry - just two weeks to deadline.

HIGHLIGHTS from HELENA



Happy New Year to all. Lots o' news this week!

The Club Christmas dinner party was lovely, altho a somewhat larger room would have helped. The raffle was won by Joella Olson - a necklace with a Mojave stone given to the club by the MacNamaras. The highlight of the evening was Louise Baugher's slides taken in the Phillipines, where her daughter and family live. Louise obtained beautiful photos of some of the natives--such interesting faces. All enjoyed her program very much. Thank you, Louise.

Dr. and Mrs. Bertrand Schultz attended an international geological meet in Israel this summer, returning in late July, after which he was hospitalized for surgery. He was home for Christmas and is recuperating satisfactorily. Their time in Jerusalem and surrounding areas was delightful, according to Mrs. Schultz, with several field excursions to the Gaza Strip, Lebanon, Golan Heights, et al. Maybe we can prevail on them to show the Club some of the many pictures they took?

Julius and Myrtle Young's younger son David teaches in the Classics Dept. of Univ. of California at Santa Barbara. An authority on the ancient Greek lyric poet Pindar, David this year took a semester's leave to lecture at Oxford Univ., then on to Greece for a period before returning home in Goleta, Calif., and back to teaching.

Elder son Don, lives in Minneapolis, where he has been with the Guthrie Theatre for some years, his most recent role being the "Spirit of Christmas Present" in Dickens' Christmas Carol. Don's stage name is Don R. Fallbeck--- Fallbeck being Myrtle's maiden name. Interesting, eh wot?

The Young's daughter Kathleen, home for Christmas will be returning to Western Univ. at Bowling Green, Ky., where she is working for her master's degree in Folklore.

Bev Reuter says: "Paul and I leave for the Southwest on Jan. 16, hoping to dig up parts of Arizona and Texas to bring back for the LG & M March show.

Joella Olson has been in Alpine, Texas, only 18 miles from Woodward Ranch. The Irl Everetts plan to leave Jan. 12 for Phoenix and other parts. We hear 'tain't warm down south either, folks.

Saw Gene Eno at Lincoln Artists' Guild party. He's been to shows in Oklahoma and Wichita with his glass blowing and seemed very pleased with sales. He, too, will leave Jan.15 for Phoenix Rockazona (sp?) show; then to Quartzite, Brea, fine arts shows in Yuma, and elsewhere. Hopes to see Bloyds in Quartzite.

Dr. Herman Gimmetad, former head of Humanities Dept. at Midland College, Fremont, died December 30th. He and Mrs. Gimmetad were members of LGMC for several years, altho did not attend meetings very often due to distance from Fremont to Lincoln. They always enjoyed the Pick & Shovel. A memorial service was held January 4th.

Called the Waddle home and delighted that Marian answered the phone. She is improving, altho somewhat slower than she would like. Always impatient, aren't we? And at 11:00 A. M. C. Ray was still in bed! tsk, tsk. Sounds like my sis and me--to bed about midnight, and then start reading. So our lights are "outened" anywhere from 1:00 to 2:30 A. M. Well, why not? That's what "retirement" is all about: do what you want when you want. It's wundaful!

Til next time Helena

Evvy reports that the shop will be closed for a month.

TIME and things

by J. D. Young

Scientists consider three fundamental units of measure, Length, Mass and Time. With these, singly or in combination, practically any physical thing or event is measurable. Perhaps Time is the most difficult to define or understand, and the same units are used in different systems of measure; the second is an example. In the English or common (fps) system the foot, or its divisions or multiples, measures length, and derived units are made related to it. In the metric (cgs) system the centimeter and its related units measure length.

Mass (or weight) in fps is measured in pounds, and the gram measures mass in cgs. The second is common to both systems for measuring time. There are many other scientific details involved in measurement, such as gravitational and absolute distinctions, too minute to be mentioned here. The whole subject of measurement can become very complex and confusing - from the beginning of TIME, whenever it began.

Time expresses duration of an event or occurrence, and my dictionary devotes nearly a half-page to various aspects of its definition. It seems to involve rate of motion of some material substance relating to the past, present and future. When did it begin? When will it end? and HOW?

Geologic time relates to our gem and mineral hobbies. The finite mind cannot grasp the enormous span, and although man's time on the Earth seems to have begun much earlier than was once believed, it still is only a small fraction of the total history "written in the rocks".

The earth must have been able to endure without man for eons of time, and at the rate things are going it may have to get along without this brainy (?) biped in the future. We have been endowed with so much bounty stored on this planet that we do not appreciate our good fortune. The future is yet to be determined.

We delve into Mother Earth with increased technology, using a complex combination of knowledge and skills accumulated from ages past. We now employ machines and techniques unknown to our plodding ancestors who were satisfied with much less, or merely enough to sustain life. We are uncertain as to when the "dawn of civilization" occurred. In some places it is still "primitive", ready to move "upward" when given the opportunity.

Mankind seems to progress through waves of gain or loss, or advance or decline, as measured by certain standards. Some civilizations have risen and fallen in successions. Some have been lost in the struggle while others rise to greater heights. The reasons are not always known, but they could involve natural calamity such as climatic changes, earthquake or flood. Some seem to be man's own stupidity and misuse of environment.

continued

TIME and things -continued

Forests have been destroyed, waterways defiled and prairies denuded without regard to the future. Mineral deposits are being misused and exhausted, the air polluted and even the vast oceans are threatened. One does not need to be an extreme environmentalist to realize that man is nature's greatest disturber. A few specimens collected by rockhounds are no threat to the environment.

Primitive society made little use of minerals as we now know them. Such inactive, heavy metals as gold, silver, copper, and tin were easily obtained without great knowledge of metallurgy. Equipment was simple and required no great energy sources. Aluminum, one of the most abundant metals, was too difficult to obtain, and had to wait for modern technology and electrical energy.

Measurement of time has always been a problem. Exact time-pieces were not needed for most activities, yet man slowly learned how to make them. Water clocks and hourglasses depended on the uniform rate of flow of a material through an opening. Actions of animals were interpreted in time schedules, for example, the crowing of the male fowl.

The sundial used the steady rotation of the earth on its axis as shown by the sun's shadow of a stylus, or gnomon, on a graduated horizontal dial. It was not portable and needed careful placing to be accurate. The gnomon must lie in a true N and S plane and its upper edge should be parallel with the earth's axis making an angle with the horizontal equal to the latitude of the place of observation. The time - indicating shadow will give local apparent time which may differ from watch time if the location is far from the time zone meridian, and also by the "equation of time". Dad's old dollar Ingersoll is more convenient.

Galileo's discovery of the uniform period of the pendulum led to modern time clocks. The energy stored in a spring, or slowly descending weights, offsets friction and air resistance. Balance wheels oscillating against a spring made small clocks and watches possible, before electronics.

Grandfather's clocks with their stately slow-moving pendulum feature had to be tall for the long pendulum to swing. For its "tick" to occur one second before its "tock" a simple pendulum must be 39.0982 inches long, almost one meter, at Latitude 40°. Because the pull of gravity increases slightly with latitude the length of a seconds pendulum increases in higher latitudes. This is mainly due to the earth's polar diameter being a few miles less than at the equator, so the pendulum is under greater gravitational force. If the swinging pendulum weight is made of magnetic material, like iron, magnetic forces would also affect the instrument. This is also true for balance wheels of small clocks and watches. "Time marches on."

J. D. Y.

P. S. A bragging sprinter athlete once asked the timekeeper if his stopwatch was ready. The timekeeper replied, "For you I need a calendar, not a stop watch!" That fixed him.

RARE II NEWS

The following information is from OUTDOORS UNLIMITED:

The public comment period for proposed National Forest System land and resource planning rules was extended to Nov. 29th, and a second public meeting was scheduled for late November. The many requests received for an extension of time resulted in this action taken by Assistant Secretary of Agriculture, M. Rupert Cutler. A total of 264,000 responses has been computed by the RARE II Data Center in Salt Lake City.

According to news notes found in OUTDOORS UNLIMITED, Secretary of the Interior, Cecil Andrus, has carried out his threat to freeze 99 million acres of Alaska d-2 lands to prevent commodity development until a decision is reached by Congress. Since the Senate did not get around to voting on Alaska lands legislation there will be no Congressional designation of lands in four conservation units by the December deadline. This paves the way for the Administration to carry out its threat to categorize 99 million acres in Alaska as National Monuments under Antiquities Act.

The Northwest Mining Association's latest beef with the Secretary of Interior, Cecil Andrus, is over his recent announcement that he and the President have decided that if Congress won't do their bidding by locking up millions of Alaska d-2 lands, the administration will go ahead and do it themselves, NWMA President R. C. Babcock said, "Such action on the part of the administration is dictatorial and contrary to the way a democracy works". "It has become increasingly apparent to Westerners that public land and natural resource decisions by the Interior Department leadership have been single-mindedly no-growth. It appears the Interior Department hasn't yet received the message the nation's people are giving - to stop big government and get back on the track of jobs, economy and self-sufficiency. We in the West will suffer most first, but the whole nation will ultimately suffer."

George S. Dibble, president of the Rocky Mountain Oil & Gas Assn., opened the 33rd annual meeting of the organization by calling for the removal of George Davis from his post with the U. S. Forest Service. Dibble charged recent decisions on official definitions of "wilderness" and "multiple use" are a perversion of statutory language, clear Congressional intent, and common use of these terms and the RARE II process. Davis is a staff assistant for recreation management and acts in a coordinating capacity for the RARE II study the Forest Service has underway. He recently decreed that "wilderness" is now "multiple use" and that the two terms are interchangeable. According to Davis who is former executive secretary of the Wilderness Society, letters in response to the RARE II study stating that the writer is in favor of the multiple use will be ignored as being unresponsive. Throughout the West, Dibble said the term "MULTIPLE USE" is spoken of as the opposition of "wilderness" by ranchers, timber people, the mining industry, recreational users of public land, the media, by the Bureau of Land Management and the Forest Service officials themselves.

Prepared by Evelyn Ulrich
Chairman RARE II Committee of LGMC

POTPOURRI

The Jeweler's Circular Keystone states that the International Time Bureau in Paris, the world's official time keeper, wishes whoever is fooking around with the rotation of the earth would cut it out. It is throwing off the world's clocks.

The Time Bureau through the use of the Cesium clock measures time according to the oscillation of atoms and molecules. The clocks are kept in perfect phase with the 24 hour period defined by the earth's spin.

For the past 6 years a second has had to be added to the last minute of the last day of the year to keep clocks coordinated with the spin of the earth.

Scientists do not know what is causing the variation in the earth's spin. Some believe it may be due to eruptions on the sun and consequent electrical changes that occur at the earth's molten core. Others believe it may be due to natural wobbles in the earth's spin axis.

* * * * *

A rare collection of precious metal craftsmanship and gem specimens collected over a 500 year period by Saxon rulers may be seen for the first time in history outside of Dresden. The collection is at the New York Metropolitan Museum at present and will be at the Fine Arts Museum of San Francisco February 18th.

* * * * *

GRINDING & SANDING... Before grinding and sanding cabochons, put cold cream on your hands and rub them until they are dry. This fills all the pores and cracks in your fingers. When the grinding, sawing, or sanding is completed, the dirt can be washed off easily. This tip is also good when painting, to keep hands from getting stained.

THE GEMSTAR via BRECCIA

* * * * *

Charoite is a new gem mineral from Russia. Named for the Chary River of Siberia, the mineral is a gorgeous lilac color with a silky luster. Occurring in a rock with anasite and tinakasite, it is associated with the potassium feldspars. The charosite rock is tough, hard and dense and takes a jade-like polish. Inclusions of yellow tanakasite and green aegrine plus snowy grains of quartz and occsionally black metallic "feathers" make the gem unique and showy.

Charoite has been cut into vases, bowls, carvings and ornamental objects, and is already a choice collector's item. Very little was imported to this country, and most was imported as finished art objects. No one knows how large the deposit is and whether more of the material will become available to American lapidaries.

A few pieces have been exhibited and sold at shows. The Smithsonian has several excellent pieces, as have Midwest collectors Lawrence Stalling and Ed and Mary McNamar. Jack Greenspan has the most exceptional cabochon of the new gem.

via AFMS Newsletter

Junior Page

Dear Juniors,

I'd like to share some interesting news about dinosaurs with you. James A. Turner, Jr. has reported a find of dozens of dinosaur footprints near Coopersburg, Pa. More than 100 tracks have been uncovered of 18 different species. One of the dinosaurs was a two-legged, carnivorous dinosaur about five feet tall. It may be previously unknown to science.

A Princeton University scientist discovered a nest of the fossilized remains of 15 baby dinosaurs in a desolate region of Montana. About 100 yards from the closely bunched young duckbilled dinosaur skeletons found in Teton County, Mont. was the skeleton of an adult dinosaur believed to be the Mother.

The nest or pit in which the bones were found was about six feet in diameter and about six feet deep. It is thought the baby dinosaurs were trapped in a mudslide or flood.

The fossils were about 2 1/2 feet high and about 10 inches long. When fully grown they would have reached about 30 feet in length and would have stood about 10 feet high.

Dr. Donald Baird, curator for the geology museum at Princeton, said plans are to bring the fossils to the museum, where they will be put on display.

The Kansas City Times reported the find of the dinosaur nest Aug. 16, 1978.

In the Dallas Morning News for Sept. 7, 1968, there was a report of a find that unearthed man-like foot prints in the same stratem with dinosaur tracks. "To consider that these humanoids wore sandals with carefully designed heels is enough to blow the conventional scientific mind out", wrote Columist, Brad Steiger.

What do you think? Did man live millions of years ago along with dinosaurs-- or is the earth younger than scientists have theorized?

Happy New Year!

Mrs. Ulrich

Did you know ?

that a typical sauropod had teeth in the front of the jaw, five fingers on each hand and five toes on each foot?

Diplodocus was a typical sauropod except that he had pencil-like teeth and could live almost entirely on land. He was sturdily constructed like a bridge-arch above and suspension below. Certain of the bones were hollowed out to make them lighter though strong. Size probably about 90 feet and 11 tons weight.

Reference-JURASSIC GIANTS

by Richard M. Pearl

Earth Science March 1975



Safety Page

HOW TO SURVIVE A BLIZZARD

You leave home early in the morning in sunshine and before noon the sky is gray and a few snowflakes are beginning to fall. On the road again after lunch the snow is really coming down. You start to worry. By four o'clock in the afternoon, still 100 miles from your destination, you are caught in a full-fledged winter storm-- a blizzard. What should you do?

The first thing every driver should do, before the season's first snowfall is to prepare for a winter storm emergency. That means getting your car fully winterized, including snow tires and a set of tire chains. It also means equipping yourself with some highly useful items in case you get caught miles from a town in a severe blizzard. According to the Minnesota ParaRescue Team, the following items are a MUST for your trunk and glove compartment:

In a 3-POUND COFFEE CAN with a plastic lid, put the following items: face mask, first aid kit, matches and candles, small knife, safety pins, aspirin, two dimes and two nickles taped to the cover for phone calls, compass, flashlight and extra batteries, facial tissues or paper towels.

Food should include honey, semi-sweet chocolate, instant coffee, raisins, candy bars and fruit.

Mittens or work gloves should be tied to the coffee can with a bright red or orange cloth which will serve as your signal banner.

Now add: Sleeping bags or blankets.

Tow cables or chain (a truck may come along and be able to pull you out if you have a chain.)

Booster cables

Emergency flares

Boots, extra overshoes or snowmobile boots

Sand-salt mix or granite poultry grit in one-quart plastic or paper milk carton.

Extra stocking cap or winter hat with ear flaps

Extra heavy overcoat

Extra fuses

Although you may never need to use your winter emergency kit, it is nevertheless excellent insurance to have with you when you are driving in winter.

Flint Chips via Rockhound Tales



INDOOR SWAP - HEATED

Winter blahs got you down?

Come to the January Rock Swap.

Who's hosting: Lincoln Gem & Mineral Club

When: Jan. 27, 1979, 12 noon to 10 P.M.

Where: Trabert Hall, Lower Level, Entrance East Side
2202 South 11th Street

(SIGNS WILL BE POSTED)

What you need to bring: Card table or small folding
table

Rocks, gems & other goodies

Chairs, coffee and punch will be provided.

FOOD - available within 2 blocks.

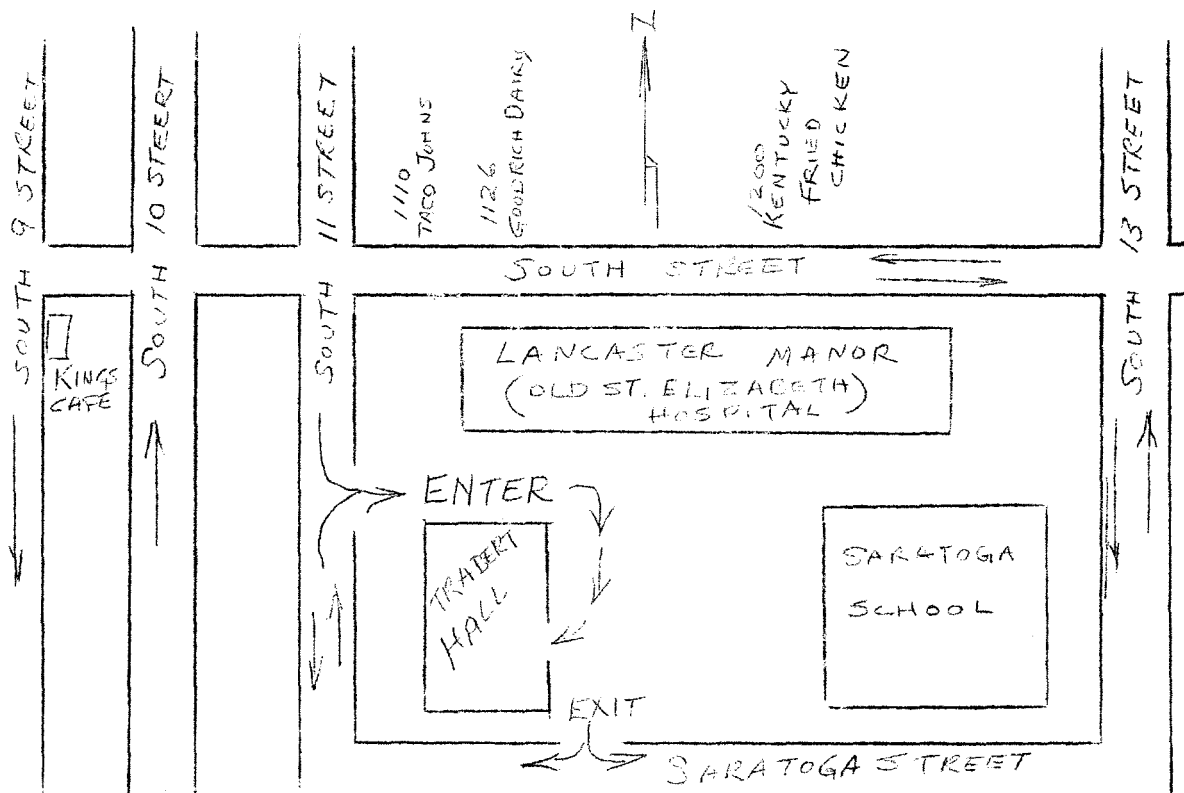
Tacos - Colonel Sanders - Family Restaurant

.... Direct swapping or swapper bucks only

Silent Auction --- Proceeds to AFMS Scholarship Fund

At 7:30 a short business meeting followed by birthday party.
(It's our 24th!)

WHY: A chance to get together, swap, swap stories and yarns
and have some plain ole' fun!



Merry Christmas * Happy New Year

Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news, articles, subscription orders and requests for information should be sent to the Editor, Haydon Peterson, Parrot Printing, 2125 Forest Ave., Des Moines, Iowa 50311

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January 1979 - Issue No. 191

Program fee eliminated New programs added

Donald Stinnett, Film Library Program Chairman, announced the decision of the Executive Committee to eliminate all charges for the use of the Federations slide and movie programs by member clubs. Beginning January 1, 1979 clubs may book these programs without payment of the service charge.

He also announces the addition of eight new slide programs to the list of those available for immediate booking.

"Ohio Lapidary Creations." This program by the Euclid Lapidary and Mineral Society is about finished articles created with unusual cabachons, vases, silver work, etc.

"Creative Lapidary with Reforzado" (in Spanish means reinforced). This is a process developed by Les Petery of the Gem City Rock Club. This was one of the 1977 American Federation award winning programs.

"Geology of Yellowstone and Grand Tetons" by Dr. David Hess, Environment Committee of the Midwest Federation.

"Method for Making Intarsias" and "High Desert Country" two excellent programs received in our program 'swap' with the Northwest Federation.

"Introduction to Faceting" and "Geology of Minerals of Rutherford Mine, Amelia, Va." are two more of the American Federation award winning programs.

And how many people would like to go "down under"? The Wisconsin group from Verona has provided a chance to do this with our latest program "Noodling, Yowah Nuts and Walkabouts." If you don't talk Australian, it's about Australian Opals. There are 140 slides to give you a good view of the out-back and opal mines.

All of these programs together with the others in the library are now available without charge. Order early to allow time for processing and always include a second and third choice so that your club will not be without a program for your meeting. Send your request to E. Donald Stinnett, 29462 Aspen Drive, Flat Rock MI 48134.

NEW SOUTH DAKOTA DIRECTOR NAMED

Midwest President Betty Crawford announces the appointment of Dell Milbrandt, 1301 N. 4th Street, Aberdeen, S.D. as State Director for South Dakota.

MIDWEST NOW 500% IN SCHOLARSHIP FOUNDATION

by Katharine Steinbrenner, Scholarship Chairman

Congratulations are in order for our Midwest Federation. Word has just been received that we are now a 500% Federation. This is really quite an achievement and it is all due to the generosity and loyalty of our clubs in supporting the worthwhile project — the American Federation Scholarship Foundation.

Since the report was made at the Fall Executive Committee Meeting over \$930.00 has been received from thirteen Midwest clubs. The following clubs have advanced their Scholarship status:

Ashtabula Rock & Gem Club	600%
Lake County Gem & Mineral Society	1400%
Lincoln Gem & Mineral Society	600%
Michiana Rock & Gem Club	1500%
Rock Exchange Club	900%
Licking County Rock & Mineral Society	200%
Heights Gem & Mineral Society	400%
Central Iowa Mineral Society	800%

A very special thanks to all of the Midwest Clubs that helped us to become a 500% Federation. The 500% Plaque will be presented at our Spring Executive Meeting.

TRUMAN RAMSDELL

Our State Director for Iowa, Truman Ramsell died during the past month in Cedar Rapids. He was a member of the Cedar Valley Rocks and Mineral Society and active in the Midwest Federations show in Cedar Rapids last August. He was also a member of the Rollin' Rock Club. He is survived by his wife Wilma, and two sons, Dr. John Ramsell of Omaha, Neb. and Rodney of Oakdale, Minn.

Bulletin Contest blanks mailed

Our Bulletin Editors Committee Chairman, John McFadden, has sent contest rules and entry blanks to all club editors for the 1979 Bulletin Editors Contest. If your club has not received copies of these rules please send a request for duplicate copies to John McFadden, 1201 N. Wheeler, Griffith, IN 46319.

This year in addition to the Bulletin Editors Contest there will be classes for New Bulletin Editors, Original Articles, and Special Publications.

Deadline for mailing your entries is Jan. 15, 1979 and they must be received by John by Jan. 25, 1979 to be eligible. Winners will be announced at the Editors Breakfast in Columbus, Ohio during the Midwest annual show and convention.

The Midwest has always had a vast interest in the Bulletin Editors Contest and it is hoped this years will be one of biggest and best. Be sure your club joins in this activity.

COPY DEADLINE, TOO MANY "BLACKHAWKS" CAUSE REPORTING ERROR

A copy deadline for the 1978 MWF Directory plus three clubs with "Blackhawk" in their names caused a reporting error in the 1978 Directory, regarding the Scholarship

A copy deadline for the 1978 MWF Directory plus three clubs with "Blackhawk" in their names, caused a reporting error in the 1978 Directory, regarding the Scholarship status.

Information that the Blackhawk Rock Club, Rockford, Ill., was 1000% in Scholarship status reached the printer after the pages were prepared and printed, and a transformation of status with another Illinois club showed the Rockford club with a completely incorrect status listing.

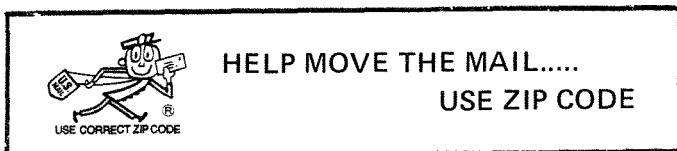
A report from Cedar Rapids on the amounts realized from each club's donation of material for the auction reported \$16.75 to be credited to an Iowa "Blackhawk" club instead of the Blackhawk club in Rockford, Illinois.

Our Scholarship Chairman, Katharine Steinbrenner, has had the error corrected and the Rockford Rock Club is shown as 1000% and the \$16.75 is credited to them.

SHOULD THERE BE A NATIONAL GEM?

In the December issue of the American Federation Newsletter there was a story as to whether there should be a national gem together with a ballot to fill out and return.

If this has not been brought to your clubs attention by the person in your club receiving the AFMS Newsletter, check around to see who this person is and then discuss it at your club meetings. Then return the ballot so your opinion can be known.



With a growing interest in fossils among members of the federations, perhaps the time has come to speak of a few publications of interest in this aspect of our common hobby. One book that has just come to this reviewer's attention is Common Fossil Plants of Western North America, by William D. Tidwell and published by Brigham Young University, Provo Utah. It is soft bound but more substantially than a paperback; includes an exceptionally generous number of illustrations in its 197 pages, and retails for \$7.95.

Anyone who has collected fossils has soon learned that books about fossils are everywhere, those about fossil invertebrates are plentiful, but books about paleobotany are few and far between. That is one reason this book, which appeared in 1975, is so welcome. Besides a systematic treatment of the ferns, cycads, conifers and angiosperms, Tidwell devotes some pages to a history of collecting, review of the plant kingdom and remarks about collecting, preservation and methods of study. Tidwell describes his work as an effort to unite the opportunities of the amateur collector and the skills of professional paleobotanist in working for science.

A publications with an unfortunately short life is worth recalling because its one issue is still of real value to the fossil collector. This is the sumptuous magazine FOSSIL, which saw daylight for the first time in May, 1976, in San Diego California, under the editorship of John B. Wexo. The issue is splendid with color, authoritative with distinguished contributors, and notable for its articles on trilobites, continental drift, fossils on stamps, fossils from Lake Worth, Texas, and the history of fossil collecting in the west, sacred ground for the dinosaur worshipers. Its review of fossil literature is exceptionally attractive, and is one reason that those who can find a copy on a rock shop shelf would be well advised to buy it at the original price of \$5.00, as this reviewer did.

BUYERS GUIDE LISTINGS

If your club wishes to be listed in the Lapidary Journal ROCK HOUND BUYERS GUIDE the forms must be returned by February 15. Please make certain that the proper address of your club is included. It is surprising to see the number of listings sent in with the name of the club, but with no mention of the city where the club meets. Sometimes the information is so incomplete that it is impossible to trace back and find out where the club belongs, and then it has to be left out of this world-wide list of over 1000 rock, gem and mineral clubs. The listing is free. Send completed forms to P.O. Box 80937, San Diego, Calif., 92138.

DEADLINE EXTENDED

Deadline for sending in your application for the annual AFMS All American Awards has been extended to March 31, 1979. LaDocia Ellis, Education Chairman, says this will give clubs more time to complete their application and get it mailed to their Regional Chairman.

Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news, articles, subscription orders and requests for information should be sent to the Editor, Haydon Peterson, Parrot Printing, 2125 Forest Ave., Des Moines, Iowa 50311

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February 1979 - Issue No. 192

FORMER SOUTH DAKOTA DIRECTOR HONORED AT PARTY

Maybelle Wilcox, South Dakota State Director for the past four years, was honored recently at a "THIS IS YOUR HOBBY" party in her honor, hosted by her home club, the Rosebud Geological Society of Winner. Maybelle, who relinquished her duties this fall, served 14 Midwest clubs in her area. She attended most of the shows and field trips in South and North Dakota, and most of the Federation shows during her term. She was also active as bulletin Editor and in other capacities in her own club. Her club and Federation activities date from the Field Convention in 1969. Letters and telegrams from her many friends in the hobby helped make the evening an unforgettable one for Maybelle. Maybelle announced that the new South Dakota Director is Dellis Milbrandt of the Lakota Glacier Club in Aberdeen.

OFFICIAL ADDRESS OF AFMS CHANGED

William deNeui, whose address in Minneapolis, Minn. has been the official address of the AFMS Incorporation, notified the Federation Directors of his impending change of address beginning January 1979.

The Directors on July 26, 1978 adopted a resolution to make the official address, 1397 Chelmsford St., St. Paul, Minn. This address change is now official.

The new address is that of Armin Steinhauer who was agreeable to be the official address. He is a long-time member of the Minnesota Mineral Club, very active in all phases of the hobby, including responsible and active participation in the affairs of the Midwest Federation.

Scholarship report

The AFMS Scholarship Fund continues to grow, thanks to all the excellent support from the many clubs and individuals of the Regional Federations, and provide scholarships for students in the earth science fields.

As a testimonial to the accomplishments of the Foundation since it was organized only a short fourteen years ago, the following statistics should be of interest.

A total of 86 students — 73 young men and 13 young women — have received scholarships grants from the Foundation to assist them in their endeavor to gain increased knowledge in earth science fields. Collectively these grants total \$98,650 and cover a span of 126 years of college learning.

And perhaps of greatest importance, only the earnings generated by the principal fund has been expended. The entire amount of your contributions, which as of this report stands at \$273,276.86, is still on hand busily earning money for a furtherance of this work. And with contributions continuing to be received in ever-growing proportions to increase this principal fund — and thus its earnings, the work of the Foundation and the number and amount of the scholarships it grants can also be expanded.

The number of scholarship grants in 1979-1980 will be expanded to ten. Each grant will continue to cover a two-year period with the amount of the grant remaining at \$1,000 per year. They will be distributed to the Regional Federations as follows: California, 2; Eastern, 1; Midwest, 3; Northwest, 2; Rocky Mountain, 1; South Central, 1. This is based on the earnings generated by the contributions received from the respective Federations.

Students Selected for 78-79 Scholarships

The Scholarship Foundation will be assisting another impressive group of students in their graduate study in Earth Science during the 1978-1979 school year. Each student will receive a grant of \$1000.00 to assist with their schooling, and, if they continue in school for the following year, will receive a similar amount for that year. In addition to the six regular grants to each of the Regional Federations, two special grants have been provided, with Honorary Awards being made to two men who were instrumental in the formation and growth of the Foundation.

These two are Richard W. Burnham of Upper Montclair, New Jersey and William deNeui of Minneapolis, Minnesota. The idea of a Scholarship Foundation for the AFMS had begun in the late 1950's, but progress was quite slow. In 1962 at the Des Moines Meeting AFMS President Russell Trapnell appointed Mr. Burnham to develop plans for achieving the objective of providing grants to graduate students in Earth Science. A preliminary report was presented by Mr. Burnham to the AFMS Meeting in Oklahoma City in 1963 and at the 1964 Meeting in San Antonio the AFMS Scholarship Foundation became a reality. Mr. Burnham then served as first president of the Foundation and saw the first grant given at the 1965 Meeting in Yakima.

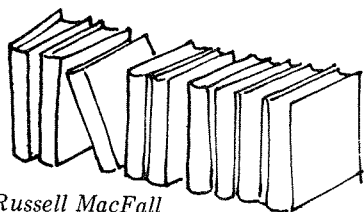
Mr. deNeui served as first Treasurer of the Foundation, a position he held for four years, and was Foundation President in 1969-71. He has been on the Investment Committee since the Foundation was incorporated and collected and turned over to General Mills nearly 4 million Betty Crocker Coupons. *Scholarship — Continued on back page.*



Nancy Newberry
Midwest Scholarship Recipient

BOOKS

By Russell MacFall



One of the most encouraging developments in the world of the rock and gem collector is the appearance of several state guides of professional caliber. Mention was made in a previous review of **The Mineralogy of Arizona**, by John Anthony, Sidney Williams and Richard Bideaux. Virginia is well represented by R.V. Dietrich's **Minerals of Virginia**. In recent months several other guides worthy to stand beside these have appeared.

One of the most helpful for the amateur is **Mineral Collecting Sites in North Carolina**, by W.F. Wilson and B.J. McKenzie, which may be ordered from the Department of National Resources and Community Development, P.O. Box 27687, Raleigh, N.C. 27611. A twinned emerald crystal in full color ornaments the cover, and inside sites are pin pointed by counties both in the text and in detailed keyed maps. North Carolina, here we come.

Mineralogy of Pennsylvania 1966-1975 by Robert C. Smith supplements such classics as Samuel G. Gordon's **The Mineralogy of Pennsylvania** by reporting primarily on mineral species discovered in the state since 1975 and the locations where they can be found. Descriptions of the species are well illustrated in color and black and white, along with systematic tables. Publication of the book has been sponsored by a chapter of Friends of Mineralogy.

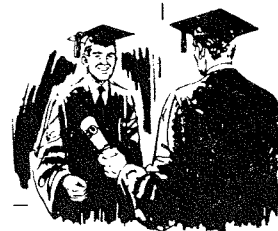
Not to be forgotten are several other excellent state guides that appeared in 1971 and 1972. **Rocks and Minerals of Michigan** by O.F. Poindexter, H.M. Martin and S.G. Bergquist, published for the state department of Natural Resources by Hillsdale Educational Publishers, Hillsdale, Mich., is a well illustrated, large size pamphlet of 45 pages that replaces an older edition. Clarence E. Miller's **Minerals of Rhode Island**, published by the University of Rhode Island, Kingston, is an exhaustive listing of minerals with a number of maps. Roger K. Pabian's **Minerals and Gemstones of Nebraska** is Educational Circular 2 of the University of Nebraska at Lincoln and is notable for its color, its educational value for the beginner, and its sly touches of humor. We have heard of two more new state guides. More later.

ANNUAL CLUB FIELD TRIPS ARE HIGHLIGHT FOR OHIO GROUP

One of the clubs which makes annual field trips together to distant areas in the Fort Hamilton Gem and Mineral Society of Hamilton, Ohio. The group has taken well arranged vacation field trips to Wyoming, Arkansas, Missouri and South Dakota, among other places. The carefully planned trips include fee and free areas, cave tours, and group fellowship events. The yield is lots of good cutting materials, minerals and fossils, and greatly increased club interest.

Scholarship — Continued from Page 1.

Mr. Mark Eugene Cavaleri was selected by Mr. deNeui for one of the special grants as he pursues his Master's degree at the University of Minnesota. Mr. Burnham has chosen the University of Colorado for his special grant and the student is being chosen.

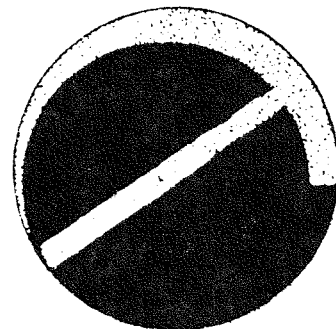


Midwest Federation

Nancy Newberry received a grant to pursue her M.S. in Mineralogy at the University of Michigan. Nancy is a native of Coldwater, Michigan and completed her undergraduate work at Michigan. Her special interest has been study of barium minerals, and she will be doing assistant teaching in Mineralogy.

Ed Hajic, the 1977 Awardee, is continuing graduate work at work at the University of Iowa, where he will be a research assistant. Mr. Hajic spent his first semester at the University of Illinois, and then transferred to Iowa where his interests include geomorphology, geoarcheology and Holocene Paleoclimatology. During the past summer he did his thesis field research on paleopedology of the Koster Archeological Site in Illinois.

UNIVERSAL ROCKHOUND SYMBOL RECEIVING ENCOURAGEMENT



A move to promote a universal rockhound symbol has been receiving some encouragement from various parts of the Federation.

The new symbol, proposed by the Far North Coast Regional Council of Lapidary Clubs in Australia, was designed by Mrs. Jo Robinson of the Lismore Gem and Minerals Society, New South Wales, Australia, has already received some widespread acceptance. As a school teacher, Mrs. Robinson knew the value of a simple uncluttered symbol for instant recognition in any part of the world.

Betty Clauser, Eastern Federation Newsletter Editor, is proposing that the Eastern adopt the new symbol and help promote its use as a sign of friendship and fellowship to our rockhound friends.

The symbol is not intended to replace club or district badges, it complements them by saying "I am a rockhound". No words or mottos are necessary. In a short while, everyone, rockhound or not, will recognize it, thus widening your circle of friends and helping you learn of new locations and ideas.

Many ways of incorporating this design are visualized. Fix it to the outside of your house or fence, display it on your vehicle or make a badge in gemstones or enameled copper.

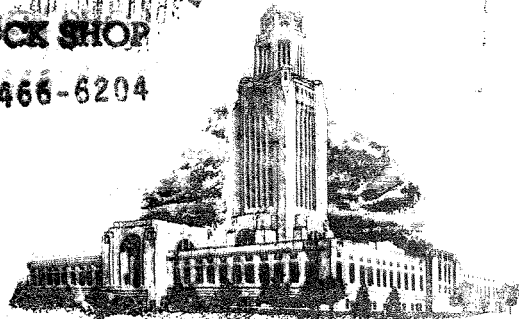
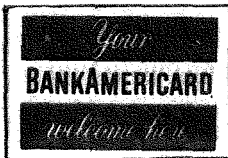
It is a stylized design of a rock hammer in gold on a background of lapis lazuli blue. "The gold of the earth that so few of us can find and the blue of the sky that everyone can see.

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Subscriptions to the Pick & Shovel are \$3.00 per year, mailed. Advertising by a rock hobby business or interest permitted with approval of the Board, at a rate now set at \$10.50 per full page per insertion. 1/2 page-5.25, 1/3 page-3.50 and 1/4 page-2.75 (minimum)

PLEASE accept our apologies for the covers - they may not be color-matched. Nelda and I are working on the heavier covers planned for the 1979 Pick & Shovel, but due to some late appointments and other demands on our time we do not have them in time for the January P. & S. We are putting together the remnants of our joint supplies and efforts this month. All you who have your dues paid by January 31, 1979 be watching for our new, professionally done covers. We think they will be super! Nelda & Phyllis

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Lincoln, NE 68505



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