

Apr 75

THE



J A S P I L I T E

Affiliated with the Midwest Federation  
of Mineralogical and Geological Societies

# Midwest Federation's NEWSLETTER

Published monthly except July and August as a service to members clubs.  
All news, articles, subscription orders and requests for information concerning publication should be sent to P. O. Box 1130, Des Moines, Iowa 50311



Issue No. 154 - April 1975

## MWF GEOLOGY COMMITTEE PLANS CAMPING TRIP

Under the sponsorship of the Geology Committee of the Midwest Federation a two week geology-camping trip along the north shore of Lake Superior and through the Keweenaw country is being planned for July 26 through August 9, 1975. Wayne Henderson is chairman and Don Clark is assistant chairman of the event.

The camping trip will be limited to 50 adults who may bring their children if of suitable age. It is planned so that campers may go for either or both weeks. There will be a fee of \$5 per week per adult to cover costs of arranging the trip. Camping fees will vary with the park and with your camping unit.

Mail your request for a place on this tour to Don. H. Clarke, 1107 Maple Street, Essexville, Michigan 48732. State the week or weeks you wish to be included, the names of adults and children in your party, your vehicle and type of camping outfit, and enclose the necessary fees. Requests must be in to Don by June 1. You will receive an acknowledgment and any further information needed.

## New MWF Appointments

### Lapidary Chairman -

Mr. Elmer P. Schmidt  
130 Bluff Street  
Aurora, Illinois 60505

### Public Image Chairman -

Mrs. Ruth Mogg  
Route #1, Box 231  
Grayslake, Illinois 60030

### Special Committee to Reopen Collecting Areas Chairman -

Mr. George W. Lyons  
W. 151 N. 8631 Marshall Dr.  
Menomonee Falls,  
Wisconsin 53051

## SPRING EXECUTIVE MEETING

Terry Huizing, Midwest President, announces the spring Executive Committee Meeting of the Midwest will be Saturday, April 26, beginning at 9:30 a.m. at Oakton Junior College, Morton Grove, Illinois. Complete information is being sent to all members by the Secretary.

## DON'T BUY A GOLD BRICK!

by Frank Mayo, EFMS President

Buying gold is a very dubious thing and not a wise investment for the small buyer. Whether the investor buys gold bullion or coins, he will be taking risks because there is great danger of counterfeit 14 karat gold coins and bullion which are coming out of Beirut, Lebanon. There are phony gold bricks that have lead or tungsten cores. The best protection against getting stuck with a gold brick is to buy from a reputable dealer and note whether it has the stamp of a recognized refiner. But refiners' stamps can be faked also.

The simplest and quickest test for the purity of gold is to use the Archimedes or specific gravity test. Weigh the specimen of gold in air; then tie a cord around it and weigh it suspended in water. The difference between its weight in air and in water divided into its weight in air for pure gold is always 19.3 which is its specific gravity. This test is good for gold bars suspected of 14 karat gold or of bars with lead cores, but it is no good if the "gold brick" you are buying is a gold plated bar of tungsten because tungsten also has the same specific gravity as gold - 19.3 and costs only \$6 per pound. Only a hole drilled through the bar and it chemically analyzed will assure you of its purity. Gold is almost twice as heavy as an equal volume of lead or silver which have specific gravities of only 11.3 and 10.5.

The eager gold buyer should beware of the gold swindlers and their many schemes to separate him from his money. For as long as gold has been sold, there have been crooks with glittering get rich quick schemes to take in the unwary, the greedy and the gullible such as maps of lost gold mines and buried treasure, the old Mexican prisoner's treasure map stick, gold bricks and salted gold mines.

Despite the hazards of being bilked, the major risk that a gold buyer faces is simply that the purchase may be a lousy in-

vestment. It is just a wildly, risky thing and at current prices the risks are enormous.

Warning: Several thousand people lost their life savings recently in the collapse of "Western Pacific Gold and Silver Exchange Corp." This organization advertised heavily in conservative publications. They sold silver and gold coins on margin and stored silver for investors. Millions of dollars have been lost in their "Ponzi" like scheme. Original investors were paid from monies taken in from later investors. Finally, the scheme bust when too many demanded their money back. The Securities and Exchange Commission has filed fraud charges against Western Pacific and three other coin and silver dealers. If you wish to buy gold, here are some "Golden Rules":

1. If you must buy gold, wait until after the initial rush, when the price goes down.
2. Never buy on margin and never pay storage fees - demand delivery.
3. Your source of supply should be of unquestioned integrity - some institution you trust completely.
4. Be wary of unsolicited correspondence or calls from strangers offering to sell you gold.
5. Be skeptical of promises of spectacular profits, ask yourself, "Why am I being offered this golden opportunity?"
6. Be suspicious of claims of new secret or exotic processes or extract gold.
7. Resist pressures to make hurried, uninformed investment decisions.
8. Find out if the company is registered with the Securities and Exchange Commission or state securities agency.
9. Seek independent advice from a person you trust and who is knowledgeable.
10. Ascertain what cost, in addition to the quoted price of gold is involved. For example, a refining charge, assay fees, commissions, shipping and storage, insurance cost and sales tax.

Already there is much phony or low quality 14 karat gold waiting to be unloaded on an unsuspecting public. Until the economy settles down and you know which way things will go, it is wise to play it safe and put your money in an insured savings account or U.S. Bonds. *from Cobb-L-Stones*

#### WELCOME NEW MEMBERS

Blackford Geological Society joined February 28, 1975  
Carl Boxell, President  
513 West Elm Street  
Hartford City, Indiana 47348

Richfield Mineral Club, Inc. joined March 6, 1975  
Carl R. Erickson, President  
6815 - 2nd Avenue South  
Richfield, Minnesota 55423

#### ROCK SLIDES

Maurice Starkey, Danville, Illinois, has an unusual group of 2 x 2 inch slides. He has cut from various rocks slices 1/32nd inch thick and mounted them in Aiqueipt slide mounts. When projected, the light penetrates the thick rock slices and shows the various colors and formations on the screen. Maurice is a past president of the Double I Mineral Society.

## What does your club do?

Several of the rockhound societies across the midwest cooperate with their local 4H Clubs. Some gem and mineral society members attend 4H geology meetings as occasional instructors. Some clubs arrange for the 4H young people to have lectures by local college or high school teachers in their institutions. The Kenosha (Wisconsin) Gem and Mineral Society has helped in their County Fair judging of the 4H Geological Exhibits. Additionally, this club has awarded United States Government Savings Bonds to winning entries.

What does your club do for the general public? Let Assistant Miss Dorothy Gleiser know what you do in this regard. She will include it in her report to the MWF. Her address is 1066 Griffith Street, Lake Forest, Illinois 60045.

*from the Public Image and Courtesy Committee*  
Mrs. A. Mogg, Chairman, R. 1, Box 231  
Grayslake, Illinois 60030

#### SAUCER OF GOLD!

A huge saucer of gold 150 miles across lies buried under the soil of South Africa, Rand Reef, and it produces more gold than any other place on earth. It has been mined since 1889. Modern mining goes into the reef two miles. Tunnels spread under the city of Johannesburg, now one of the biggest cities in Africa. Almost 300,000 miners work the tunnels where temperatures may reach 100 degrees. For every button of gold processed, 5 tons of ore must be dug and treated. Recently scientists have discovered that valuable uranium can be extracted from the "mountains" of waste from gold refinings. *via Pick and Shovel*

#### MORE ON GOLD!

Possibly the largest and most unusual treasure hoard of all time lies in eastern Montana. Its location is no secret -- everyone knows where it is. But this treasure is impossible to recover for it is locked between the huge, 250-foot high concrete walls of the Fort Peck Dam.

Built in 1940 on the Missouri River, the structure is the world's largest earth-filled dam. In this type of construction, the interior of the dam is filled with earth instead of solid concrete. However, the builders unknowingly used valuable gold-bearing earth to fill the dam.

Used to control floods and generate electricity, the dam contains over 125,000,000 cubic yards of material. A chemical analysis determined that each cubic yard of earth used to build the dam contains about .0023 ounces of gold. Does that seem like a small amount? When you multiply it by the amount of material involved, the value soars. According to present prices, the dam contains over \$30,000,000 worth of gold.

This treasure might be extracted some day through sophisticated mining techniques if the dam ever becomes obsolete. But until then, the gold will remain inside what has been called "the first man-made gold mine." *via Pick and Shovel*

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Issue No. 155 - May 1975

## 1975 REGIONAL SHOWS

The South Central Federation opened the 1975 group of regional shows and conventions on April 4th through 6th at Burkburnett, Texas. Titled the "Boomtown U.S.A. Gem-A-Rama and Convention", the event was held in the Burkburnett Civic Center with the North Texas Gem and Mineral Society of Wichita Falls, Texas as the host. Jim Belcher, 4021 Featherston Street, Wichita Falls, Texas was show chairman.

On May 16th through 18th the California Federation becomes the second regional to have their 1975 show and convention. Las Vegas, Nevada, has been selected as the location city with the event being titled "The World's Fair of Gems and Minerals". Hosted by the Clark County Gem Collectors, the show will be held in the Las Vegas Convention Center. Additional information can be secured by writing the show chairman, Roger Bridenburg, 5824 Halifax Avenue, Las Vegas, Nevada 89107.

The Rocky Mountain Federation will host the American Federation this year during the four day show opening June 19th in Denver, Colorado. The Denver Council of Gem and Mineral Societies is in charge with the show held in the National Western Hall of Education, Coliseum Complex. Show Chairman is Walt Risch, P.O. Box 1975, Denver, Colorado 80201.

The Eastern Federation follows the Rocky Mountain Federation and the American Federation Convention when they open their three day "Gem-Maine-ia" on Friday, June 27th. Show and convention will be held in the Exposition Building, Portland, Maine. Governor James B. Longley of Maine is expected to cut the ribbon officially opening the show. Neal Yedlin, noted authority and columnist for the Mineralogical Record, will speak on Saturday. Show chairman is W. J. Acord, Route #2, Litchfield, Maine 04350.

The fifth regional show of 1975 is the Northwest Federation show and convention on August 30th through September 1st in Billings, Montana. Titled "Montana's Treasure Chest" show, it will be the Northwest Federation's 35th annual show. It will be hosted by the Billings Gem and Mineral Club and held in the Fairgrounds Buildings. Show chairman is Joe Stockton, 1345 Mourine Street, Billings, Montana 58101.

The 1975 regional show season concludes on October 9th when the Midwest Federation opens their "International 75" show and convention in Detroit, Michigan. Hosted by the Greater Detroit Gem and Mineral Clubs, the show will be held in the Detroit Light Guard Armory. Additional information is available from William Meinert, 505 Bird Street, Birmingham, Michigan 48009.

## MIDWEST FEDERATION DIRECTORY INFORMATION

The 1975 Midwest Federation Directories have been mailed to all member clubs, individual members and to everyone on the Executive Committee. The Directories include all information received on or before February 22nd. For various reasons, the questionnaires from some clubs were not received by that date and the information shown for such clubs was taken from the 1974 Directory. The following is 1975 information to replace the 1974 information given in the 1975 Directory:

**KENOSHA GEM AND MINERAL SOCIETY, Inc.** (Send MWF mail to Liaison Officer.)

President: Melvin Monteen, 8840 32nd Ave., Kenosha, Wisconsin 53140

Liaison: John Cyzak, 7407 33rd Ave., Kenosha, Wisconsin 53140

Editor: Loretta Bohn, 4144 N. Green Bay Road, Waukegan, Illinois 60085

Show: April 12-13, Kenosha, Wisconsin, St. Therest Hall. George Becker, 8828 32nd Ave., Kenosha, Wis. 53140

**RIB MOUNTAIN GEM AND MINERAL SOCIETY** (Send MWF mail to Liaison Officer.)

President: Dean Rein, Rt. #2, Wausau, Wisconsin 54401

Liaison: Robert Hajenga, 1410 E. 2nd St., Merrill, Wisconsin 54452

Editor: Ethel Schwartz, Rt. #2, Wausau, Wisc. 54401

**GOOD EARTH MINERAL SOCIETY** (Send MWF mail to Liaison Officer.)

President: Jane Morrison, 472 Ridgevale Drive, Worthington, Ohio 43085

Liaison: Allen P. Brown, 546 Chatham Road, Columbus, Ohio 43214

Editor: Harold Isay, 2682 Eakin Road, Columbus, Ohio 43204

## new program

The Lake County Gem and Mineral Society has heard your Program Committee's plea and has given us an excellent program called "An Educational Show", consisting of 89 slides. This is a different and interesting concept in shows and should have much to offer any club.

Thank you, Lake County! It is appreciated! How about the rest of you out there? We need all kinds of programs.

E. Donald Stinnett, Program Chairman

## FULL SCHEDULE OF EVENTS AT NATIONAL SHOW

Meetings - Lectures - Slide Programs - Entertainment - Swapping - Exhibits - Square Dancing and much more will be available to visitors attending the "Show of the Year". The Denver '75 National Gem and Mineral Show to be held June 19-22 at The National Western's "Hall of Education", Coliseum Complex, Denver, Colorado, will present a wide variety of exhibits and programs relating to all aspects of the hobby and will provide something of interest to all show visitors. A formal opening ceremony will be held at 9:30 a.m. Thursday, June 19th at the Hall of Education and at 10:00 a.m. the show will open to the public.

Interesting trips have been planned to Heritage Square and Elitch Gardens. Heritage Square, located just a few miles west of Denver, is a replica of an old time Colorado mining town, complete with various shops and stores. Elitch Gardens is a beautifully landscaped flower garden amusement park with hundreds of blooming plants in many varieties. Rides and other amusement park attractions are provided for both adults and children.

Many outstanding special exhibits will be on display in a specially reserved area. One of the featured special exhibits will be "Tom's Baby", the largest gold nugget ever found in Colorado. It was found in Breckenridge on July 23, 1887 and at the time it was discovered, weighed 160 troy ounces. For over 74 years it was seemingly 'lost'. When it was recently located and identified it weighed only 102 troy ounces, (12 oz. troy equals 1 lb. avoirdupois). Olive Colhour will display twelve cases of her artistic lapidary creations, of these, some will be shown publicly for the first time; Meteorites from the Nininger collection and the Denver Museum of Natural History; French minerals from the Smithsonian Institution; Raymond Arndt's faceted quartz objects and many more.

A medal commemorating the founding of the American and Rocky Mountain Federations will be available at the show. The medal, about the size of a silver dollar, has the emblem



of the American Federation on one side and on the reverse side, the emblem of the Rocky Mountain Federation. They will be serial numbered and only a limited number will be made. The profit from the sale of these medals will be divided equally between the Colorado School of Mines and the Denver Museum of

Natural History to be used as financial support of their geology museums.

Admission charges will be \$1.50 daily for adults, 75¢ daily for juniors, ages 12 thru 17 years. Children under 12 will be admitted free if accompanied by an adult, otherwise they will be charged a 75¢ fee. Four day passes are available by advance sale or at the door on the first day of the show. The cost is \$5.00 adult and \$2.50 junior.

For complete information mail inquiries to: National Gem and Mineral Show, P.O. Box 1975, Denver, Colorado 80201, or phone Ernest E. Parshall, Publicity Chairman, area code 303-733-3191.

## INTERESTED IN KNOWING OF SWAP SESSIONS

The International Thumbnail Mineral Collectors Club, which is incorporated in Michigan as a Midwest Federation Member, is interested in knowing of shows which have swap sessions. Editor Paul Feldman, Box 38, Quartzite, Arizona 85346, will list these in that club's bulletin.

## PUBLIC IMAGE AND COURTESY COMMITTEE

The Corn Belt Lapidary and Geological Society of Bloomington-Normal, Illinois reported that the club has paid for the regular 4H trophy for the best geological exhibit at the 4H Fair. On occasion they have furnished the judge for the 4H exhibits. Mr. and Mrs. C. Pope have taken specimens and spoken to 4H Pebble Pups and to several classes in the local schools. Mr. LaFayette Funk and others have also done this.

Mrs. Norma Miller, Assistant, of 931 Cottonwood Drive in Lincoln, Nebraska 68510 is waiting to report and record what members of your organizations are doing so that the general public can share the happiness that is rockhounding!

Mrs. Allan Mogg, Chairperson  
Route 1, Box 231, Grayslake, Illinois 60030

## DEADLINE! JUNE 1ST!

If you wish to go on the two-week geology camping trip, you must have your request to Don H. Clarke, 1107 Maple Street, Essexville, Michigan 48732, by June 1st. The trip, which is under the sponsorship of the Geology Committee of the Midwest Federation, is limited to 50 adults who may bring their children if of suitable age. State the week or weeks (July 26 through Aug. 9) you wish to be included, the names of adults and children in your party, your vehicle and type of camping outfit, and enclose the necessary fees (\$5 per week per adult.) You will receive an acknowledgment and any further information needed.

## MEETING REPORTS

Complete minutes and reports will be sent to each member club on the Spring Executive Meeting held April 26 at Oakton Junior College, Morton Grove, Illinois.

## 200 MILLION YEARS OLD

Oil workers in the Soviet Union have found a fossilized lizard which lived 200 million years ago, according to the newspaper Turkemanskaya Iskar. Previously only bone fragments of lizards of this area have been found. -S. J. Mercury

**PITCH IN...** PUT LITTER IN ITS PLACE

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## EARTH RESOURCES OBSERVATIONS SYSTEMS

by June Culp Zeitner

Northeast of Sioux Falls, South Dakota, in the middle of a pasture, there is a huge laboratory and data center complex called EROS - Earth Resources Observations System. It is the largest photo laboratory in the world, devoted to processing photographs of earth taken from space.

This vast storehouse of information on earth's treasures and resources is one of the marvels of the space age. The six million dollar complex, located on Highway 121, nine miles north of Interstate 90, features guided tours each week day at 10:30 A.M. and 2:30 P.M. with special group tours by appointment.

In the lobby of the EROS visitor center is a spectacular photo mosaic, made by putting together 595 individual pictures taken from satellites. The unique intarsia forms a complete photograph of this nation taken from 570 miles in space. Other exciting photos are shown taken from unmanned satellites, Skylab, Apollo and high altitude aircraft.

A color film by NASA follows a tour of the building. This explains the Earth Resources Technology satellite which makes 13 orbits of the earth each day. The center currently stores 5 1/2 million frames of photography and is expected to reach 14 million in the coming years.

From the photos, scientists can study stream flow, snow depth, soil moisture, mineral deposits, volcanos, forests and even schools of fishes. Two international training courses have been held at the South Dakota facility to help train assistants for this new technology.

People interested in a space view of their particular area for a nominal price may write User Services, Eros Data Center, Sioux Falls, South Dakota 67198.

### \$30.00 YEARLY HELP FOR CRIPPLED CHILDREN

The Red River Valley Gem and Mineral Club of Grand Forks, North Dakota voted to give \$30.00 each year to help the James River Rock and Mineral Club in the project of teaching crippled children lapidary techniques. These children are from all over the state and attend Jamestown Cripple Children School. Mr. Harry Tack has given lectures at the University of North Dakota and taught some silverwork. Mr. Dix has gone to a local grade school and given lectures and demonstrations on cutting, polishing, etc. of minerals. "Our club also had a booth with club display and demonstrations at the Centennial Days of Grand Forks", reported Ardelle Howe, Editor of the "Pik-n-Rok" of the Red River Valley Gem and Mineral Club.

Mrs. Allan Mogg, Chairperson of the Public Image and Courtesy Committee  
Route 1, Box 231, Grayslake, Illinois 60030

### A New Booklet

## THUMBNAIL SKETCH OF AFMS

A new booklet titled "Brass Tacks" has just been published by the American Federation. It is a brief summary concerning the American Federation of Mineralogical Societies, its Member Regions, its organization, Articles, Bylaws and duties of officers and chairmen, and of the Scholarship Foundation.

"Brass Tacks" was compiled by our AFMS President, Mary Anderson and our Education Chairman, LaDacia Ellis, to fulfill the need for the quick reference of the Federation. No attempt has been made to include details. The purpose is only to give the reader a "down to brass tacks" view of the organization.

A thumbnail sketch of each Regional Federation is included as well as the complete list of AFMS Past Presidents and the location of each year's show. It is a valuable booklet for every member of a rock club to give instant answers to many of their questions.

Copies are available through your Regional Treasurer at 60¢ each which includes first class postage. Be sure your check or money order is made payable to Mary Anderson. Send your order to Mrs. Joseph McCloskey, P.O. Box 527, Elm Grove, Wisconsin 53122. Copies will also be available at the AFMS Show and Convention in Denver, Colorado, June 19-22.

## A NEW MINERAL LIST

A "List of Minerals Frequently Exhibited Competitively at Mineral and Gem Shows, with Formulae from All Authorized References" by Dee and Don Belsher, has been published by the Colorado Mineral Society and is now available for \$2.00.

The booklet contains over two hundred minerals listed with their formulae and page number as they appear in Dana's Textbook, Dana's System of Mineralogy, Hey & Supplement and Fleischer's Glossary.

Dee and Don compiled this list to assist in their mineral judging and received so many requests for copies that it was getting out of hand. The Belshers graciously turned over the material to the Colorado Mineral Society for copyright and publication.

Copies may be ordered from the Colorado Mineral Society, D. Scott Cooper, Editor, 4625 Fillmore Street, Denver, Colorado 80216.

### DIRECTORY CORRECTION

On Page Y6 of the Midwest Directory for Ottumwa, Iowa events, September 6-7, the swap should be show. The swap notice on Y4 is correct.

## 1975 SCHOLARSHIP RECIPIENT SELECTED

Clayton H. Johnson, Associate Professor of Geology and Midwest Federation Scholarship Award Winner for this year, has announced that the student he selected for the AFMS Scholarship Foundation Grant is Mr. Norman Granneman, a student in the Geology Department of the University of Missouri in Columbia.



Mr. Norman Granneman

Mr. Granneman recently talked about his Masters thesis research to the Central Missouri Rock and Lapidary Club of Columbia. His thesis will be on the hydrology of the alluvium of the Missouri River valley at three locations in Missouri. His objective is to determine the capability of the alluvium to absorb wastes from water and to supply good water to municipalities along the course of the river.

## OHIO CLUB BRINGS ROCK HOBBY TO PUBLIC ATTENTION

The Licking County Rock and Mineral Society, Inc. of Newark, Ohio, reported that the club participated in exhibiting on two different occasions to bring the rockhound hobby and the study of earth science to the attention of the general public. The first was a display by Howard and Helen Smith during the month of April in the Stevenson Elementary School of common Ohio rocks. The 5th graders requested the display prior to a camp experience on nature study in May. The news media was involved so this covered exposure to more than 5th graders.

The second display turned out to be a substitute for a display of old currency at the Newark Trust Company booth at the annual Jaycee Home Show. It seems the original currency display did not arrive on time and again the Smiths set up a flint display - use of flint by primitive man and modern man, cabochons of various colors and quartz crystals on flint.

In addition the club has displayed rocks in elementary schools and Junior High Schools, conducted some class sessions for the younger children, and arranged educational displays on request. They try to exhibit Ohio's official gemstone - FLINT - whenever they have the opportunity. Comparison is made of primitive man's use of flint and modern man's use of it. Flint is a stone of many colors and cabochons of the various colors are included in their exhibit. Another display is made up of all types of quartz crystals on flint.

Norma Miller, Assistant, Public Image and Courtesy Committee

### WELCOME! NEW CLUB!

Florissant Rock and Gem Club  
Mrs. Harold W. Finch, President  
#6 Laurel Court  
Florissant, Missouri 63033  
joined 3/11/75

## HAZEN T. PERRY

Hazen T. Perry who served as President of both the Midwest Federation (1951-52) and the American Federation (1958-59) died April 15th in Hollywood, California. He was a charter (honorary) member of the Minnesota Mineral Club, a member of the Minnesota Geology Society, the Osman Temple of the Shrine and a 50 year member of the American Legion.

Together with the late Harry Woodruff, he helped commit the American Federation to the policy of ultimately establishing a Scholarship Foundation.

He lived in Minneapolis, Minnesota with his sister, Mrs. W. H. deNeui and her husband but spent much of the winter in Hollywood.

## RESERVATIONS AT FOUR PARKS

Camping sites at four national parks may be reserved by mail this summer, the National Park Service has announced.

The parks are Mount McKinley, Alaska; Acadia, Maine; Grand Canyon, Arizona and Platt, Oklahoma.

The Park Service had announced earlier that it would not offer a nationwide reservation system this year as it attempted to do in 1974.

But mail reservations at the four parks were approved because of the parks' popularity and the great distance of Mount McKinley, said Gary Everhardt, Park Service director.

The Park Service also announced publication of the 1975 edition of "Camping in the National Park System," at a cost of 65 cents. The book may be ordered from the Superintendent of Documents, U.S. Printing Office, Washington, D.C. 20402, under stock number 024-005-00573.

### GEM - A - TRIP

A very special tour for all interested in mineralogy is now being offered by Lou Blank, a member of the Monmouth Mineral and Gem Club of Oceanport, New Jersey. This tour takes you to Mexico, "The Mineral Kingdom of the Americas." The traveler will have the privilege of visiting active and inactive mines and visiting private as well as museum and state collections. It is a trip which offers a real vacation with the added bonus of new mineralogy experiences and the opportunity to secure valuable specimens at their source.

For complete trip information, please write Lou Blank, 257 Park Avenue, Elberon, New Jersey 07740.



Johnny Horizon says

**THIS IS YOUR LAND  
KEEP IT CLEAN**

OFFICIAL PUBLICATION  
of the

ISHPEMING ROCK AND MINERAL CLUB, INC.

Published quarterly

OFFICERS & COMMITTEE CHAIRMEN - 1975

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Librarian	Ernest Johnson	Marquette
Bulletin Librarian	Edith Anderson	Marquette
1975 ROCK SWAP	Pat Bemis	Gwinn
JASPILITE editors	Laurence and Olive Sain	Marquette

Deadlines: March 1, June 1, September 1, December 1.  
MEETINGS: 3rd Sunday of the month, 2 P.M., Bothwell School, Marquette;  
October through April. Field trips during the summer.

Membership: The Ishpeming Rock and Mineral Club, Inc. is open to anyone interested in the Earth Sciences.

- Initiation fee.....\$1.50
- Husband & wife annual dues.....3.00
- Adult annual dues.....2.00
- Junior annual dues.....1.00

Material in this bulletin may be copied provided full credit is given to the author and the bulletin.

OUR PURPOSE

To enjoy, to learn, to teach and to conserve  
The rocks, the gems, the fossils and ores.  
To collect, to admire, to brag and to show  
The material we've found we'll trade for yours.

.....Bob & Marian Markert

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PRESIDENT'S MESSAGE

Now that summer has come and we won't have any regular meetings, I would like to remind you all to try and go on the field trips Bob Phillips has lined up for this summer. Also would like to have as many club members take cases to the White Pine Show (U.P. Show) as can possibly manage it. If anyone wants help in arranging their cases we will help you. Also can make up labels for anyone.

Hope you all have a wonderful summer collecting. Be careful and bring back some real gems to show the club in the fall.

Dorothy sends thanks to all the members who sent get well cards to her while a patient at Bell Memorial Hospital.

Frazier Tubbs

\*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*  
 Give some serious thought to helping the Stone Head Lapidary and Mineral Club with the U.P. Gem and Mineral Show, July 11, 12 and 13 at the Mineral River Plaza in White Pine. Less than two dozen members will be sharing the responsibilities so your assistance will be appreciated.

Your exhibit in your own case whether competitive or non-competitive would be welcome--but do let them know far enough ahead of time so that table space will be available. Electricity is available but bring your own cords and plugs.

They would like to put up all exhibits on Thursday. Friday and Saturday the hours are from 9 to 9; on Sunday from 9 A.M. to 6 P.M. Six dealers will be there. There will be a silent auction, field trips, door prizes, a swap area, special displays, etc. FREE admission and FREE parking.

Let Frazier Tubbs know if you can bring an exhibit-- he will contact the show chairperson or else give you the name, address and telephone number so you can make your own arrangements.

\*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*        \*\*\*\*\*

I R & M C ROCK SWAP.....AUGUST 16th

A special flyer is included in this Jaspilite regarding the swap and the field trip/s on the following day.

Pat Bemis is chairman of the swap and has given his chairpeople a list of members to call in arranging work schedules. Not all of the members are listed to date but that doesn't mean that you won't be called. Any one of the chairpersons may call you.

Do try to help if you possibly can. The jobs are easy, and with many workers--the time short. Besides you will meet many wonderful people from many parts of the country, do a little swapping if you have some extra specimens, see what is available to collect in other areas, etc.

The materials for the silent auction table hopefully will come in large part from your collections and from visiting rockhounds who donate a

IR&MC ROCK SWAP...continued

specimen or two. The name of the specimen and where it was found should accompany each specimen, if possible.

Parking and Registration chairman..Leonard Bartelli

Laurence and Olive Sain, Ray and Ruth Boeryp, Ken and Frances Hodgins, Fred and Doris Garceau, Wayne and Ida Wilson, Lowell and Dawne Smail, Harold and Selma Tolan, and Fred and June Masters

Publicity....Ernie and Helen Johnson

Program (Cracker Barrel)..Saturday night

Carl Gutman and Frazier and Dorothy Tubbs

Insurance.....Arnold Mulzer

Food and concessions....chairwomen..Eleanor LaChance & Barbara DePetro

Concession stand...Majestics

Auction.....Chairman..Ray Anderson

Joe Dunham, Leonard Hanninen, Richard Place, David Proper, Vernon Miljour, James Quayle, Allan Korby, Joe LaChance, Francis DePetro, Bob Markert, Jim Bowns, George Bell, Bob Schenk, Bob Vanderburg, Faustin Anderson and Ben Desonia.

Treasurer.. Arnold Mulzer

Junior Auction...Chairwomen.. Pat Elie, Chris Miljour, Jayne Yelland and Teresa Bemis

All junior members/ pebble pups will be asked to work some part of the day.

Field Trip..Chairman.. Bob Phillips

Ernie Johnson and Ray Anderson

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IR&MC Badges Approved

The 31 members attending the Ontonagon field trip saw the sample name badge from a company downstate whom Frazier Tubbs had contacted. It is a molded plastic badge with a pin in back; very durable. The club name and emblem is on the upper section and the lower portion is for the individual's name. The company will engrave each individual's name on his or her badge. The club will pay \$20.00 to have the emblem/plate made which will be kept on file by the company enabling the club to order additional badges in future years as new members come into our club. The cost is \$2.00 per badge.

The members voted to have the plate made. You will be contacted by telephone if in the local area if you want a badge and how you want your name to appear on your badge. For example: Jonathan Jones may wish to be called Jon Jones or Slim Jones, etc. The order for badges will go through Frazier Tubbs so call or write to him if you haven't been called during June.

## NOTES FROM THE SECRETARY'S MINUTES

A letter of thanks for the \$5. contribution to help defray the cost of the state newsletter was received from MGAGS.

The president announced that the application for an American Federation award had been sent in together with some pictures of club activities.

The Jasper Knob situation was tabled for the winter but will be discussed with Burt Boyum of Cleveland Cliffs and the Ishpeming City Commission. Ernie Johnson and Frazier Tubbs will represent the Club at the Commission Meeting. It was suggested that a letter be sent to the Midwest Federation, to be included in their newsletter, telling about the situation since most of the destruction seems to have been done by rockhounds. It was also thought that copies of "before" and "after" pictures might be included with the article.

Leonard Bartelli, safety chairman, was authorized to purchase supplies for a club first aid kit to be used on club field trips, at the swap and the field trip following the swap.

A motion was made and passed that past presidents of the IR&MC be allowed to wear past president's pins. It was suggested that a special design be made up for such a pin.

Following discussion about name tags for club members Frazier Tubbs said he would check on the cost of tags similar to the ones made up for officers of the Midwest Federation.

A book on wire wrapped jewelry will be purchased in memory of Laura Maynard and put in the club library.

Burton Boyum, representing the Chamber of Commerce at Ishpeming, contacted Frazier about the condition and location of our club's rock and mineral display at the Chamber office. The Chamber is interested in having the exhibit remain there but due to limited space feel that streamlined, modular cases with adequate lighting and a general cleaning up and rearrangement of specimens would result in a display in which the club could take much pride. Mr. Boyum stated that additional specimens from the CCI museum could be used to fill in the present display and that the club could keep the specimens should they ever have a permanent meeting place.

Frazier Tubbs and his committee will meet with representatives of the Chamber and the Travel Bureau to further discuss the display cases and to resolve the situation in the best manner possible.

Carl Gutman stated that UOP has sold 50.5% of their stock to Signal Corporation and suggested that the secretary inquire about collecting privileges for the club.

Dorothy Tubbs reported on and showed specimens of Datolite. It is one of the rarer minerals to be found in the copper mines of the Ontonagon area where the club will have a field trip over the Memorial weekend in May.

.....secretary's minutes.....

Mrs. Anita Meyland presented a program about the 1976 Bicentennial Celebration and our Heritage Crafts at the April meeting. She said that the Bicentennial consisted of three phases: (1) our heritage, which is the past, (2) our horizons which are the new things, and (3) our festivals which are the various shows and parades and celebrations.

Mrs. Meyland said various craft groups have been studying and working including: spinning and weaving, metal work in copper and pewter, candle making, quilting, dolls, doll houses and doll furniture, wood-work which includes Shaker furniture and carving, scrimshaw, blacksmithing, painting on tin and rug and sunbonnet making.

Mrs. Meyland suggested that we study the history of our hobby. Where did it begin? What kind of tools were used in the past? We should also inform the public about our hobby.

The speaker for the April meeting was Fred Rydholm who told many interesting stories about local old mines including copper mines near the Marquette prison, the Silver Lake mines, Ropes Gold Mine and gold mining in the Yellow Dog area. He spoke about Charlotte Kawbawgam's part in the discovery of iron ore near Teal Lake. He also told about discoveries of prehistoric stone hammers, copper artifacts and stone tablets in Marquette County.

Bob Phillips, field trip chairman, reported that due to the possibility of low water in Silver Lake, that particular field trip would be exchanged with the Humboldt one. (The schedule of field trips is on another page.)

The pebble pups have been making a report of their own meeting to the rest of the club. Chris Johnson, reporter, said that Mrs. Miljour discussed and helped them with the identification of rocks and minerals in February and March. They held their silent auction in conjunction with the adults and netted \$9.05. At their last meeting they discussed the rock swap to be held in August.

The president read a short prayer in memory of Laura Maynard, Selma Tapola and Royal Elie. Carl Gutman moved that a library book be purchased in memory of Mrs. Tapola; carried.

Dorothy Tubbs, secretary

New members received into the club since the last Jaspilite and included in the 1975 membership list are: Miss Lilly Johnson, David Lee (jr), Richard Place and wife Judith, Mrs. Lois Olson, Mrs. Helen Jackson, Wayne Yelland and wife Jayne.

We welcome you and encourage you to become involved in the club's activities as much as you can. Use the membership list--call some of the people and see if you can get together to look at and talk about what you have collected or see their collection. There are so many facets to the hobby-- do you know what some of them are? Which ones do you think you would like to explore? This is an indoor/outdoor and year around hobby with a lot of sociability included. It is up to each one to explore and find a specialty.

PROGRAM NOTES

To me an organization like ours serves its members through the functions of recreation, education and entertainment. This means active participation and intermingling with fellow members. All of us do not pursue the same fields of interest. All of us do share a common bond and fascination with things natural.

Accordingly, I would like to submit some concepts for you to consider over the summer on how we all can get actively involved in each monthly meeting:

(A) There is real value in a program attended by the entire club. I propose that the talk and/or demonstration be keyed to a specific need; i.e., an authority discussing a particular mine soon to be visited by the club or a survey and display of new machinery available to lapidarists. By nature of the structure of the monthly meeting, this segment of the program should be no longer than half an hour.

(B) Following the aforementioned segment, members separate into special interest groups such as micro-counting, lapidary, faceting, silver-smithing, specimen collecting, et al. We all learn by doing and from each other; this is where it's at.

(C) Another form of recognition and advancement is the denoting of a particular mineral, suite of minerals, element, and/or mine for each meeting. The bragging table would reflect this subject with a member or group of members giving a brief talk on the topic. This talk would also be submitted to the Jaspilite for publication. I propose that this portion of the program begin the meeting. This should be the proper entry into the business end of the meeting and set the tone for the day.

(D) A long-term club project could be the identification and cataloging of collecting locations within the reach of club members and principally confined to the Upper Peninsula.

All suggestions for programs are warmly received as are critical comments on the above. If you like the format, let's do it! See you on the piles this summer. Take care, wear a hard hat and protective glasses, clean-up after you and leave some beauties for your neighbors. Cheers.

Carlton W. Gutman  
Program Chairperson

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PEWTER WORKSHOP

A rare opportunity is being made available to anyone wishing to learn to work with metals. Mrs. Anita Meyland, coordinator of heritage crafts for the Bicentennial, has obtained a grant which makes it possible to have David Sloan, silversmith from Eastern Michigan University conduct a pewter workshop July 9-13 in the Art annex at Northern Michigan University. You will learn how to work with the metal--pewter. No enrollment fee but possibly a lab fee if you use considerable supplies. Call Mrs. Meyland 226-8807 for further details or write to her at 606 Pine St., Marquette.

CALENDAR OF CLUB FIELD TRIPS

- June 21(Saturday) Republic Mine Tour. Because of a Cleveland Cliffs ruling no one under 12 years of age will be allowed to participate in this trip. The trip will start from Koski Corners (Junction of M95 and U.S.41) at 9:30 A.M., Bob Phillips, leader.
- July 27(Sunday) Humboldt area--Betsy and Isinglass mines for iron minerals, graphite and feldspar. Bob Markert, leader. Trip will start from Markert's Rock Shop at 9:30 A.M.
- August 17(Sunday) To Lindberg's Quarry for Kona Dolomite and Mt. Shasta for Garnet Pseudomorphs. Trips start from the Marquette Tourist Park at noon. Ernest Johnson and Ray Anderson, guides.
- Aug. 23(Saturday) To Silver Lake for Silver and Galena. Trip will start from the Ishpeming Miracle Center at 9:00 A.M. Boats are needed for this trip. Club members having boats are asked to call Bob Phillips.
- Sept. 14 (Sunday) Alberta for Pyrolusite and Ohio Mine for iron minerals. Meet at Alberta Forestry Center and Saw Mill at 9:30 A.M. Frazier Tubbs, leader.
- \*\*\*\*The Silver Lake trip has been changed to July 27 and the Humboldt trip to August 23.\*\*\*\*\*

Hard hats and safety glasses are needed for the trips. Bring sack lunches. Members who plan to go on the trips should call the leaders in charge of individual trips or call Bob Phillips, field trip chairman. Bob said he hoped to see as many people on the trips as at the club meetings.

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CLEANING YOUR COPPER SPECIMENS

Most copper specimens you find on the poor rock piles are imbedded in a matrix--from calcite to a basalt, etc. You may hammer off some of the rock but then there is the danger of damaging the copper crystals.

Some chemicals can be used in removing calcite or other carbonates: a 5-10% solution of sulphuric acid is usually satisfactory. To remove oxides, a 20% nitric acid solution is effective but a lot of fumes are given off--do not inhale them.

To remove discoloration from copper use the following formula 'by weight' 1 part sodium hydroxide, 30 parts crystallized rochelle salt and 20 parts distilled water. Use a glass container. Suspend copper by a copper wire in the solution until the natural red/brown color appears. Rinse, soak, and repeat until the water remains clear.

Be sure to use caution in handling acids. Follow directions on the container of acid.

An excellent booklet on cleaning most any kind of mineral is Cleaning and Preserving Minerals by Richard Pearl

# Rockin' Round



IR & MC

with Edith Anderson

Vern Miljour's educational table with brag rocks brought by members and the hand out sheets provided by Vern have been a welcome addition to our programs. Good opportunity to learn to identify some of your rocks and it surely gives you the urge for a field trip.

The samples of old heritage crafts exhibited by Mrs. Meyland created much interest and it is good to know that there is a revival of many of them. Articles of pewter, silver, scrimshaw, blacksmithing, woodcarving dolls, candlemaking, spinning yarn, dolls, quilting, etc., drew the attention of everyone around the tables during the social hour following her talk.

July 26 and 27 are the dates for the annual Art on the Rocks held at Presque Isle in the bandshell area. This is an excellent opportunity to exhibit and sell some of your rocks and minerals, crystals, and articles made from rocks. This is not a rock show but a display of practically any kind of art you can think of. Demonstrations of various crafts are held throughout the two days. Applications for space to set up a table to display and sell can be obtained by writing to Mrs. Bruce Miller 1813 M 28, Marquette. Call her for more information about the Show.

September 25-27, the Marquette County Harvest Festival will hold their annual FAIR at the Lakeview Arena instead of at the National Guard Armory. Pick up a premium book at the county courthouse in early September to see what you might enter or call the Anderson's or Sain's for information. Do plan on entering displays in the mineral and lapidary area. Premiums are given for blue, red and white winners.

Edith Anderson and Eileen Dunham have been appointed to be the hospitality committee to welcome members and guests, to sign everyone in for the door prizes, etc. This will also give the club a good record of attendance and to know our guests and new members.

Audubon Jenkins reached a long desired goal when he received his High School diploma at recent graduation exercises. Congratulations!

.....Rockin' 'Round.....

Lise Bermani spent spring vacation in Germany with 18 members of the German class at Marquette High School. They had good experience using the German language along with touring many historical sites.

Jill Malin and Becky Helt are members of the cluster at Bothwell School who raised \$3,000, to have a week of 'school' at Bay Cliff where they expect a thrilling experience orienteering, swimming, canoeing, etc.

From the Old Capitol Geological Club bulletin we find they have a new book "The Minerals of Iowa" by Paul Horlick. It took a few years to write it and the work that went into compiling it makes a good story. It must be a good source of information for anyone rockhounding in Iowa because it seems much in demand as noted in many club bulletins.

From the Tully--Park Forest, Illinois bulletin we learn Jim and Mary Edwards are coming to our area for the 4th of July bringing with them members of their club. They are former members and officers of IR&MC.

Congratulations and good wishes to Ben Desonia and his wife Susie who were married February 13.

Mr. Frimodig had a request for a native rock from the U.P. With the help of Jack VanAlstyne, they were able to send a piece of Jaspilite to Deming, New Mexico for a monument being built of rocks from all the states.

Eileen Dunham joined the Senior Citizens and took the bus trip to the Tulip Festival at Holland, Michigan.

We hope the Pat Bemis's soon have an upturn in family health. Misfortune has plagued them this year. Their daughter was injured and their truck demolished in an accident-- the daughter is recovered now. Theresa had surgery several weeks ago and shortly after returning home had to be taken back to the hospital again.

Our club has been saddened by the loss of members and friends this year. Laura Maynard, 79, of Marquette passed away March 22 after a 2 month illness. Laura was always interested in the club and attended field trips when she was able. Her family and friends will miss her and the club extends heartfelt sympathy to her husband Rufus and family.

Selma Tapola, 76, Princeton, charter member of the club, passed away April 15. Due to poor health she hadn't been active in the club the last few years but all who knew her will miss her pleasant manner and happy countenance.

We also extend our sympathy to Pat Elie and family. Royal died suddenly on April 8. He wasn't a rockhound but encouraged Pat and attended many of our meetings. He will be missed by all who knew him.

On May 15, John Jacobson, 78, Negaunee, passed away. He had been a very active member and officer of the club before his illness prevented him from attending meetings. He shall be missed by his wife Hilda and three daughters to whom we express our sympathy. John and Hilda's son died earlier this year.



## MEMORIAL WEEKEND FIELD TRIP '75

For the second year a number of our club members drove North and West for a field trip in the Ontonagon area over the Memorial Day weekend. More than thirty members participated while several who had anticipated making the trip found it necessary to cancel because of illness or other conflicts.

Friday afternoon and evening found most of us arriving at Trudgeon's Done-Roam-ing Resort on Lake Superior about 6 miles west of Ontonagon on Highway M-64. Many of those staying in motels were housed at Johnson's Motel nearby. After setting up housekeeping and a late evening meal everyone moved about visiting and getting information on the program for the 3 day sojourn. Most of our members gathered at the Johnson's for coffee, cookies and popcorn plus much visiting. Finally to bed about 11:00 P.M. Weather warm and humid with plenty of black flies.

As the first field trip led by Ted Trudgeon was scheduled for 1:00 P.M., Ken Hodgins offered to lead us to the Mass No.4 mine poor rock piles. Quite a few accepted the offer including Mr. and Mrs. Louis Fischer of the State Line Club. We welcomed them as Lou had been very generous with many of us when we were at their swap in 1973. Everyone found some copper and a few datolite specimens were also found. We spent a couple of hours there and went back to camp for lunch. Bug dope was a must.

Shortly after 1:00 P.M., Ted proceeded with the scheduled tour. It was a real long caravan as we learned that other clubs were also included. A club from Ritchfield, Minnesota, the Minnesota club, and from the Chicago, Illinois area swelled the group; there were 91 collecting or attending the tour tickets sold. It was first to the Victoria mine and then to the dam. Copper specimens were found at the mine and a beautiful view enjoyed at the dam. On the way back on the east side of the road we stopped at the National Mine where we viewed an adit under a waterfall and then climbed until we reached the mine tailings. Quite a walk and climb as we came in at the base of the piles. Some of the members stayed on the highway and found some specimens along the roadway.

We then drove to the Minesota mine where we met Glenn and Elsie Gregg with their club from Traverse City. They were leaving for the Keweenaw Peninsula. We prospected here for a short time and then were led to the prehistoric pits near the Michigan mine. Some stayed at the Michigan mine to search while the rest moved on with Ted to the Bumble Bee. Most of the rock here had been hauled away for construction but still a good place to prospect. It being late, warm and plenty of flies the caravan broke up for the day with everyone finding his or her own way back to camp.

After supper a beach fire was built, marshmallows and hot dogs were roasted and a lot of visiting and bragging carried on between club members and clubs. Bedtime was about midnight. Cooler near the lake and fewer insects.

Sunday morning everyone was on their own so a number of us decided to tour the Adventure mine near Greenland. It was an interesting and educational tour with a very enthusiastic, knowledgable and patient guide. Veins and masses of copper are visible along the walls of the adit. One

.....next page....

## .....field trip.....

makes the trip with hard hat, flashlight and jacket. At one point, he has us turn off our flashlights and he turned off his gas lantern--it was total blackness. Then he lit the candle on his hat as the early miners used and gradually we could begin to see one another dimly. It was quite an experience. We who made the trip recommend it highly--well worth the fee.

As we would be too late for the afternoon tour a number of us prospected on the B-shaft of the Mass mine for the afternoon. The tour group were taken to the Mass No. 4 and Lake mine. Copper and datolite were found.

Dinner on Sunday evening was at the Konteka in White Pine. There were 81 present for the dinner and program. After an excellent dinner, an interesting film on the copper mining at White Pine was shown. A booklet, Rocks and Minerals of Michigan and a Petoskey stone was presented to each club for their library by the Trudgeons. They also gave door prizes. A pleasant evening followed by visiting back at camp and more bonfires.

Monday everyone was on their own. Members went in different directions but quite a few stopped at Lake Mine. The parking area looked like a trailer camp. Quite a bit of copper and some datolite was found again. Faustin Anderson found the prize. We'll all be interested in seeing it when he gets it cleaned up.

In spite of the flies and the heat everyone seemed to have had a wonderful time with lots of memories and specimens.

Nothing in this world is ever perfect and some constructive criticisms are in order, especially when one considers the tremendous number of people, vehicles and trailers involved. A single bathroom/shower for men and the same for women was extremely inconvenient. The tour group on Saturday was too large to be handled efficiently as turning around space and parking was limited; especially when you consider 6 stops. A ripple of discord went through the club when they learned that although a camper or motor home paid for 3 nights, once they moved their camper to go on the conducted tour, they lost their parking space. We are all used to one site for the duration of a stay once it is paid for. Stakes with numbers and occupant cards as the state parks and most trailer parks have would have prevented late comers from thinking some of the area was available that in fact had been paid for.

The overall hospitality was great and the tour was to a generous number of sites.

.....Laurence Sain

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 INSECTS!#/\*!! To keep mosquitos away take 1 vitamin B<sub>1</sub> tablet daily for 10 days before going into the woods or B<sub>12</sub> taken every 24 hrs. gives some relief.

Dust shoes and trouser legs with powdered sulfur to help keep ticks and chiggers away. Have druggist mix 1 part straight (not compound) benzil benzoate and 8 parts of denatured alcohol. Shake well. Spray shoes, socks inside and out and let dry. Will last until washed. Won't harm fabric or colors.

HOW TO PLAN A COLLECTING TRIP

Vern and Christine Miljour will have a two month collecting and sight seeing trip when they visit their son and daughter-in-law this summer. There will be nothing haphazard about the trip. Maps have been studied, magazines and the articles pertaining to the states they pass through have been carefully read and catalogued. Once the routes and sites have been more or less selected, Vern orders geology maps of those areas. He thoroughly enjoys geography, science and certainly is skilled at understanding geological maps.

Vern subscribes to several mineral magazines; Peter White Library in Marquette also has the same ones so they are available to you. In this Jaspilite he shares with you a part of his research as he planned their summer route to and from Oregon. Certainly only a small fraction of this list was eventually selected for stops or they would be gone for several years but how much better to have a choice beforehand and not spend precious time rambling around.

To conserve space, the names of the magazines will be denoted by a No. Lapidary Journal (1), Rockhound (2) and Gems & Minerals (3). By states, here is Vern's research. Keep it for your use in the future.

- Rock and Gem (4) -

SOUTH DAKOTA

- Chalcedony in S. D. (3) Aug. '72. (Interior to Scenic)
- Rose Quartz of S.D. (2) Jan. '73 (Pringle)
- The Prized Fairburn (2) July '73 (S. of Rapid City)
- Rockhunt on the Cheyenne (1) Sept. '74 (SE of Rapid City)
- Badlands Bonanza (2) Nov. '73 (Crawford, Neb; Ardmore, S.D.)
- The Big Chief Mine (3) Jan. '71 (Keystone)
- Gems & Minerals near Mt. Rushmore (2) Mar. '74 (Keystone)
- Garnets by the Mile (2) Sept. '73 (Pringle)
- The Conata Beds (2) July '74 (Interior)
- Gem Fossils of the S.D. Badlands (1) Oct. '68 (general)
- The Fairburn Agate is not Extinct (2) '74 (general)
- The Elusive Fairburn (2) Mar. '73 (SE of Rapid City)
- Cheyenne River Rock Bonanza (2) Mar. '75 (Float trip)
- The Old Agate Beds on the Buffalo Gap National Grasslands (3) May '74 (S.E. of Rapid City--collecting fairburn agate)

WYOMING

- Digging the Blue Forest (4) Aug. '73 (Rock Springs--NW)
- We Found Turritella (1) Oct. '73 (Wamsutter)
- Turritella Agate Beds (2) Mar. '74 (Wamsutter)
- Hunting Fossils at Wyoming's Lake Gosuite (2) July '72 (Rock Springs--W)
- Wyomings Storehouse of Agates (1) Dec. '72 (Tipton - Wamsutter)
- Eden Valley's Fossil Fish (2) Sept. '73 (Rock Springs - Farson)
- Unfinished Business Rock Roaming in Wyoming (1) June '70 (general)
- Wyoming Fossil Agate (4) Sept. '72 (Wamsutter)
- Rockhounding on Church Butte (4) Feb. '73 (SW Rock Springs)
- Wyoming Wood (2) Jan. '74 (Eden Valley, Blue Forest, others)
- The Oregon Buttes (4) Dec. '72 (Farson - Lander Rd.)
- New Sweetwater Agate Bed (2) May '72 (Jeffrey City)
- A Nephrite Mother Lode (3) De. '70 (general)
- You Can Still Find Jade in Wyoming (3) Sept. '72 (Jeffrey City)
- Wiggins Fork: Then and Now (1) Nov. '71 (Dubois)

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WYOMING----continued

Wyoming Agate Mountains to its Ancient Fossil Strands (1) May '68 (gen.)  
 Jade Hunting at Jeffrey City, Wyoming (1) Feb. '69 (Jeffrey City)  
 Rockhounding in Wyoming's Red Desert (1) Mar. '70 (Farson)  
 Wyoming Jade (1) Mar. '72 (Jeffrey City)  
 Turritella Agate from Wyoming (1) Sept. '69 (Wamsutter)  
 Woods of Wyoming (1) Oct. '72 (general)

MONTANA

Montana Sapphires (2) July '72 (Helena)  
 Jade Hunting in Montana (1) Feb. '70 (Red Lodge)  
 In Search of Sapphire (4) '72 (Helena)  
 Rockhounds Montana (4) Jan. '74 (general)  
 A Yellowstone Float Trip (3) July '73 (Miles City)  
 Fossil Forests of the Yellowstone (3) Jan. '72 (Gardner)  
 Montana Baculites (3) Feb. '73 (general)  
 Montana Diamonds (3) Oct. '71 (Lewistown)  
 Sapphire Hunting Deluxe (1) July '72 (Phillipsburg)  
 Five Miles of Sapphires (1) Jan. '69 (Utica)  
 Montana's Dendritic Moss Agate (1) Aug. '68 (general)  
 "Dryhead": Montana's Fortification Agate (1) July '68 (Big Horn Canyon)  
 A Petrified Forest Above the Timberline (1) Sept. '69 (Gardner)  
 Along the Yellowstone There's More Than Agate (1) July '73 (general)

IDAHO

Collecting at the Bruneau Fossil Beds (2) July '73 (Mountain Home)  
 Rich Agate Diggings at Graveyard Point (2) Jan. '75 (Homedale)  
 Fiery Blue Opal of Marsing, Idaho (2) Jan. '75 (Marsing)  
 Digging Precious Opal at Spencer, Idaho (2) Nov. '73 (Spencer)  
 Then and Now at Famous- Graveyard Point (3) Aug. '71 (Homedale) Alene)  
 Digging for Star Garnets at Idaho's Emerald Creek (2) Mar. '74 (Couer de/  
 A Recent Discovery of Blue Opal in Western Idaho (1) Oct. '74 (Marsing)  
 Exploring Idaho's Lava Fields (2) Sept. '72 (Atomic City)  
 Good Picking in Deserts of Idaho (4) May '72 (Bruneau & Mountain Home)  
 The Overlooked Opal Mine: Idaho (4) May '75 (Spencer)  
 Geodes at Rabbit Springs (4) Jan. '72 (Twin Falls - Jackpot, Nev.)  
 The Hidden Petrified Forest (4) Oct. '72 (Challis, Sun Valley)  
 Opal Land, USA (4) May '73 (general)  
 Idaho's Star Opal (4) Sept. '74 (Spencer)  
 Where to Find Topaz in Idaho (2) Mar. '72 (Mountain Home - Dismal Swamp)  
 Lost Deer Hunt Opal Mine (2) Mar. '72 (Spencer)  
 Garnets in Idaho (2) May '73 (Clarkia)  
 Gemstones of Whitebird Canyon (2) May '72 (Whitebird)  
 Precious Opals in Idaho (1) Oct. '69 (Spencer)  
 Emerald Creek, Idaho Star Garnet Area (1) June '69 (Fernwood)

UTAH

The Diggings at Dugway (2) July '73 (S.W. Salt Lake City, Tooele, Vernon)  
 Petrified Wood in Outlaw Country (2) July '72 (Green River)  
 The Geodes of Dugway (4) Mar. '72 (Tooele, Vernon)  
 Topaz Mountain (4) July '72 (Eureka, Jencho, Delta)  
 Utah's Fire Opal (4) Feb. '74 (Milford)  
 Field Trip: Dugway Geodes (4) Nov. '74 (Tooele, Vernon)  
 Lost Cave of Topaz (2) Mar. '72 (Thomas Range)  
 The Causey Fossils (2) Nov. '74 (Ogden)  
 Wolverine Petrified Wood (4) Apr. '75 (Escalante)  
 Hunting Utah Trilobites (3) July '70 (Hinckley)

UTAH continued

Topaz Mountain West ( 3) Oct. '74 (Lehi)  
 Birding in the Rocks (3) Sept. '74 (N.E. Utah)  
 Field Trip: Snowflake Obsidian (3) Feb. '75 (Delta - Milford)  
 A Commentary from Utah's Treasure Chest (1) Nov. '74 (Delta)  
 Collecting at Topaz Mountain (1) May '74 (Delta)  
 The Clay Point Agate Field in Eastern Utah (1) Aug. '71 (Capitol Reef, NM)  
 New Notes from Utah's Treasure Chest (1) Sept. '71 (general)  
 Topaz Mountain: Utah's Treasure Chest (1) May '69 (Delta)  
 Notes from Utah's Treasure Chest (1) Nov. '70 (Delta)

OREGON

Indian Creek Wood of Central Oregon (2) Jan. '75 (Madras)  
 Thundereggs at Central Oregon's Lucky Strike Mine (3) 7/74 (Prineville)  
 Wandering the Fabulous Owyhees (1) Sept. '74 (Homedale, Idaho)  
 Petrified Wood in Oregon (2) Mar. '74 (McDermitt, Nev.)  
 Pink Plume Agate and Angelwing (2) July, '72 (Nyssa)  
 Surprises at Oregon's Sun Flower Flat (2) 7/72 (Mt. Hood area)  
 What's Going on in Succor Creek Canyon (3) 8/74 (Homedale, Idaho)  
 The Kennedy Ranch- Reopened after 25 Years (1) 6/70 (Madras)  
 Field Trip: Oregon Agate 'Bogwood Agate' (2) 8/74 (Jamison)  
 The Ochoco Mountains, Thunderegg Country (1) 2/70 (Prineville)  
 Maury Mountain Moss Agate (2) 5/74 (Post)  
 A Rare Beauty "Vistaite" (2) 7/74 (Prineville)  
 South Fork Limb Casts (2) 9/72 (Prineville)  
 Trek to Succor Creek (1) 11/73 (Homedale)  
 The Fabulous Limbcasts of Crooked River, Oregon (1) 10/68 (Prineville)  
 Ashwood, Oregon Agate (1) 6/71 (Ashwood - Madras)  
 A Visit to the Antelope and Ashwood Areas in Oregon (1) 4/70 (Madras)  
 Picture Rock Rancher (4) 4/73 (Wasco)  
 Carnelian in Western Oregon (4) 5/74 (Lebanon)  
 Thundereggs at Crane Creek (2) 3/72 (New Pine Creek)  
 Where to Find "Plush" Diamonds (2) 1/72 (Plush - Lakeview)  
 Beachcombing for Agates (2) 1/72 (Newport Beach)  
 Digging Holley Petrified Wood (3) 5/70 (Sweethome)  
 Orange Agate and Green Jasper at Tillamook (3) 2/72 (Tillamook)  
 Yeguina - Oregon's Agate-bottomed Bay (3) 10/71 (Newport)  
 Collecting Sunstone in Lake County, Oregon (3) 8/73 (Plush - Lakeview)  
 Oregon Sunstones (4) 12/74 (Plush - Lakeview)  
 High Desert Beach Agates (1) 6/72 (Burns)  
 The Agate Desert (1) 5/74 (Medford)  
 Thundereggs (1) 1/71 ( general)  
 The Lebanon Carnelian Area of Oregon (1) 4/69 (Lebanon)  
 The Snakeskin Agate Area, Oregon (1) 10/69 (Burns)  
 A Visit to Succor Creek (1) 5/69 (Homedale, Idaho)  
 Collecting Bogwood Agate (2) 11/72 (Jamison)  
 These Prineville Area Thundereggs (2) 11/72 (Prineville)

WASHINGTON

A Good Spot for Opalized Wood (2) 11/73 (Vantage)  
 Red Top Agate Beds (2) 3/74 (Cle Ulum)  
 Carnelian Agate at Pigeon Springs (2) 1/74 (Chehalis)  
 Pile-Up Creek Bonanza (2) 9/74 (Yakima)  
 King of the Blues (2) 5/73 (Ellensburg)  
 Collecting Ellensburg's Rare Agates and Petrified Wood (3) 11/72  
 Treasures at Tono (3) 10/73 (Chehalis and Centralia)  
 Yakima Canyon Wood (3) 2/74 ( Yakima)

WASHINGTON continued

Beachcombin in Jefferson County, Washington (3) 1/74 (Kingston)  
 Washington Gem Jade (1) 7/74 (Darrington)  
 Nephrite Jade Has Been Discovered in Washington (1) 11/68  
 Saddle Mountain 'Picture Wood' Area Reopened (1) 7/68 (Vantage)  
 The Actinolite Crystals of Wenatchee Lake (1) 2/74 (Wenatchee)

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CALENDAR OF SHOWS AND SWAPS & FIELD TRIPS

June 14-15 SWAP (Buy, sell, trade)Isaah Walton Clubhouse, Hwy. 218 S., Iowa City, Iowa. Field trip Sun. A.M.  
June 19-22 National Gem & Mineral Show (read MWF Newsletter)  
June 28-29 SWAP. Tremont, Ill. at Timberline near Goodfield, Ill.  
July 11-13 SHOW, swap and field trips. Mineral River Plaza, White Pine.  
July 12-13SHOW and AGATE DAYS. Auditorium of Moose Lake Hi.Sch., Moose Lake, Minnesota.  
July 26-27 SWAP (buy, sell,trade) Columbia Park, Pipe, Wi. North of Fond du Lac)  
July 26-27 SHOW. Lakeland Hi. Sch. Jct of Hwy 70 & 51, Minocqua, Wis.  
Aug. 2-3 Gem and Mineral Fair. Boone Co. Fair Grounds- 1 mi. North of Belvidere, Illinois.  
Aug. 16 Swap. Tourist Park, Marquette, Mi.  
Aug 17 Field Trip from Tourist Park, Marquette, Mi. 12 noon.  
Aug. 16-17 Mesabi Range Roundup. Fairgrounds, Hibbing, Minnesota.  
Aug. 24 SWAP. St. Pat"s School, Green Bay, Wis.  
Aug. 24 SWAP (buy, sell, trade). E. edge of Oakdale, Wis. off Hwy 12 and 16 near Tomah.  
Sept.6 SWAP. Gaines Twsp., Hall, 1685 - 68th St., Grand Rapids, Mich.  
Sept. 6-7 Muskegon Fall Rock SWAP. Pioneer Park, N. Muskegon, Mich.  
Sept. 6-7 SWAP Rock Island Conservation Club Campgrounds, Big Island, Milan, Ill.  
Sept. 12-14 SWAP Lorain County Fairgrounds, Wellington, Ohio.  
Oct. 9-12 International '75. Midwest Federation Convention. Detroit,MI.  
Oct. 24-26 SHOW. Lansing Michigan.

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DID YOU KNOW THAT:

Turquoise was mined over 5,000 years ago by Egyptians?  
 Red chalk is another name for earthy Hematite because of its color and texture?  
 One of the most popular, flowerlike varieties of Gypsum is called a Selenite rose?  
 The mineral Azurite is blue Copper Carbonate?  
 Graphite is still called "lead" when used in pencils?  
 Amber is a Fossil Resin of ancient trees, used as a gem?  
 Bloodstone is also called Heliotrope?  
 Blue John was the miner's name for Fluorite?  
 Bentonite is used in soaps and washing compounds?  
 Opal is a noncrystalline form of Quartz?  
 Calc-sinter is an old name for Travertine?  
 Amethyst is the most valuable variety of Quartz?  
 Aragonite is a variety of Limestone formed as a deposit from hot springs?  
 Flos Ferri is a distinctive variety of Aragonite?  
 Moonstone is a gem variety of Feldspar?  
 Kaolin was once Feldspar?

1975 I.R.& M.C. Membership List

<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE</u>
Anderson, Faustin V.	717 W.Bluff St, Marquette, MI. 49855	226-2925
Anderson, Leon	Box,74, Little Lake, MI 49833	346-3466
Anderson, Robert Ray R.	2, Box 522, Marquette, MI 49855	226-2327
Anderson, Edith (Mrs.)		
Argeropoulos, John	347 E. Crescent, Marquette, MI 49855	225-0504
Baker, Mary Spear (Mrs.)	385 Lakewood Lane, Marquette, MI	249-1836
Bartelli, Leonard	2010 Sugar Loaf Ave., Marquette, MI	226-3762
Bartelli, Ingrid (Mrs.)		
Bell, George G.	1993 Wright St., Marquette, MI 49855	226-7708
Bemis, Charles	P.O.Box 356, Gwinn, MI 49841	346-3361
Bemis, Theresa (Mrs.)		
Bermani, Lisé (jr)	410 E. Hewitt Ave, Marquette, MI 49855	226-9641
Boerup, Ray	311 Pine St., Box 503, Gwinn, MI 49841	346-5472
Boerup, Ruth (Mrs.)		
Boerup, Becky (jr)		
Boerup, Bobie (jr)		
Boogren, Joe (jr)	604 Elm St., Box 255, Gwinn, MI 49841	346-9390
Boogren, Lucy (jr)		
Boogren, Nora (jr)		
Bowns, Jim	R. 1, Box 105, Negaunee, MI 49866	475-9317
Bowns, Dorothy (Mrs.)		
Bowns, Scott (jr)		
Boyum, Burton (L.M.)	1740 Glendora Lane, R.2, Ishpeming, MI	485-1854
Brunngraeber, Glen	411 E. Magnetic St., Marquette, MI 49855	228-9240
Brunngraeber, Marlene (Mrs.)		
Cross, Jane (jr)	Box 271, Gwinn, MI 49841	346-3455
DePetro, Francis	1938 Neidhardt, Marquette, MI 49855	226-9720
DePetro, Barbara (Mrs.)		
Desonia, Ben	756 W. Eashington St., Marquette, MI 49855	226-7456
Desonia, Gene (jr)	818 W. College Ave., Marquette, MI	226-8001
Dunham, Joseph J.	1256 M-28, Marquette, MI 49855	248-1328
Dunham, Eileen A. (Mrs.)		
Edwards, James T.	306 Somonank St., Park Forest, IL 60466	

NAME	ADDRESS	TELEPHONE
Elie, Pat (Mrs.)	Box J, 408 Birch St., Gwinn, MI 49841	346-9742
Fallat, Lyndon R.1,	Box 744C, Ishpeming, MI 49849	485-1951
Fallat, Fran (Mrs.)		
Fredlund, L.V.	R.2, Box 80, Iron River, MI 49935	
Garceau, Fred (summer)	756 White Ave., Ishpeming, MI 49849	486-4355
Garceau, Doris (Mrs.) (winter)	33 Sanderhen Dr, Henderson St, Naples, Florida 33940	
Gutman, Carlton	201 W. Magnetic, Marquette, MI 49855	225-0684
Gutman, Susan (Mrs.)		
Hanninen, Leonard R.1,	Box 269, Champion, MI 49814	376-2329
Helt, Becky (jr)	191 W. Grove St., Marquette, MI 49855	226-2940
Hodgins, Ken	Co. Rd. 550, Marquette, MI 49855	226-3376
Hodgins, Frances (Mrs.)		
Hudson, James J.	1217 Cleveland Ave., Marquette, MI 49855	226-3155
Hudson, Adeline (Mrs.)		
Hughes, Jerry R.2,	Harbor Springs, MI 49740	
Hunt, Lucian F.	368 W. Park, Marquette, MI 49855	226-3603
Hunt, Myrtle (Mrs.)		
Jackson, Helen (Mrs.)	317 E. Crescent, Marquette, MI 49855	226-3875
Johnson, Lilly	P.O. Box 504, Marquette, MI 49855	226-2925
Jenkins, Audubon H.	R.1, Box 7, Ishpeming, MI 49849	486-4565
Jenkins, Mildred (Mrs.)		
Johnson, Ernest Jr.	1962 W. Fair Ave., Marquette, MI	228-9422
Johnson, Helen (Mrs.)		
Johnson, Sheryl (jr)		
Koivula, Martin W.	614 Vine St., Ishpeming, MI 49849	486-6584
Koivula, Anna (Mrs.)		
Korby, Allan R.2,	Box 21, Negaunee, MI 49866	475-6302
LaChance, Joseph	355 E. Arch St., Marquette, MI 49855	228-6863
LaChance, Eleanor (Mrs.)		
Lee, David (jr)	429 E. Crescent, Marquette, MI 49855	226-2633
Markert, C. Robert	R.1, Box 620, Ishpeming, MI 49849	486-9055
Markert, Marian (Mrs.)		
Markert, Dudley	5438 Crowsnest Ct., Fairfax, VA 22030	
Markert, Scott	10 Whirlwind Ct., Apt. 10, Baltimore MD 21207	
Markert, Donna (Mrs.)		



## THE JASPILITE

NAME	ADDRESS	TELEPHONE
Malin, Jill (jr)	U.S. 41 South, Marquette, MI 49855	228-7538
Markham, Charles	725 Lake Ave., Hancock, MI 49930	482-1518
Masters, Fred	625½ E. Division, Ishpeming, MI 49849	486-4176
Masters, June (Mrs.)		
Maynard, Rufus	216 Silver Creek Rd., Marquette, MI 49855	249-1867
Meden, Terry (jr)	115 Smith St., Gwinn, MI 49841	346-5857
Meyland, Anita (Mrs.)	606 Pine St., Marquette, MI 49855	226-8807
Miljour, Vernon	Box 237, Gwinn, MI 49841	346-5320
Miljour, Christine (Mrs.)		
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Mortenson, Helen (Mrs.)		
Mullaly, Albert V.	30119 Dawson St., Garden City, MI 48135	
Mulzer, Arnold	322 Rock St., Marquette, MI 49855	226-2321
Mulzer, Doris (Mrs.)		
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	(summer) P.O. Box 131 Lake, Michigan 48632	
Olson, Lois (Mrs.)	1215 N. 3rd St., Marquette, MI 49855	226-8055
Osterberg, Helmi (Mrs.)	224 E. Ridge, Marquette, MI 49855	226-8886
Phillips, Robert	813 N. 3rd St., Ishpeming, MI 49849	486-8308
Phillips, Sandra (Mrs.)		
Place, Richard	R.2, Box 171, Marquette, MI 49855	226-2443
Place, Judith (Mrs.)		
Place, Arthur and Greg (jrs.)		
Plimpton, Janet (jr)	Box 349, Gwinn, MI 49841	346-5296
Proper, David	236 Kawbawgam Rd., Marquette, MI 49855	249-1941
Proper, Bonita (Mrs.)		
Quayle, James	527 Vine St., Ishpeming, MI 49849	486-8282
Reidy, Luella (Mrs.)	129 W. Superior St, Apt.1, Ishpeming, MI 485-5996	
Roberto, Theresa (jr)	Box 446, Gwinn, MI 49841	346-3046
Ruuska, George	112 E. Fair Ave., Marquette, MI 49855	226-8513
Sain, Laurence W.	818 W. Kaye Ave., Marquette, MI 49855	226-7325
Sain, Olive K. (Mrs.)		
Schenk, Robert	Agate Shop, R.1, Box 91, Republic, MI 49879	376-2373

THE JASPILITE

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Smail, Lowell Smail, Dawne, (Mrs.)	100 Marble St., Ishpeming, MI 49849	486-6588
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Tapola, Charles	R.1, Box 3, Princeton Loc., Gwinn, MI 49841	346-9639
Tolan, Harold J. Tolan, Selma (Mrs.)	Box 140, R.1, Negaunee, MI 49866	475-9019
Tubbs, Frazier H. Tubbs, Dorothy (Mrs.)	1710 Glendora Lane, R.2, Ishpeming, MI 49841	485-5920
Vachon, Joseph (jr)	1260 Erie St., Marquette, MI 49855	228-7247
Vanderburg, Robert Vanderburg, Joan (Mrs.)	335 E. Arch, Marquette, MI 49855	226-7125
Wainio, John V.	500 W. Ridge, Marquette, MI 49855	226-6638
Wilson, Wayne (summer)	1910 Granite St., Marquette, MI	225-1860
Wilson, Ida (Mrs.) (winter)	2021 Australia Way West, Apt. 19, Clearwater, Florida 33515	
Yelland, Wayne Yelland, Jayne (Mrs.) Yelland, Elizabeth (jr) Yelland, Richard (jr)	Mehl Lake, Gwinn, MI 49841	346-4871
Matthews, Frank, Sr. Matthews, Katharine (Mrs.)	US Hwy 41, Negaunee, MI 49866	475-4865

THE AMERICAN FEDERATION .....CODE OF ETHICS

- I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.
- I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no wilful damage to property of any kind --fences, signs, buildings, etc.
- I will leave all gates as found.
- I will build fires in designated or safe places only and will be certain they are completely extinguished before leaving the area.
- I will discard no burning material--matches, cigarettes, etc.

I will fill all excavation holes which may be dangerous to livestock.

I will not contaminate wells, creeks, or other water supply.

I will cause no wilful damage to collecting material and will take home only what I can reasonably use.

I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.

I will cooperate with field trip leaders and those in designated authority in all collecting areas.

I will report to my club or federation officers, Bureau of Land Management, or other proper authorities, any deposit of petrified wood or other material on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.

I will appreciate and protect our heritage of natural resources.

I will observe the "Golden Rule", will use "good outdoor manners" and will at all times conduct myself in a manner which will add to the stature and "Public Image" of rockhounds everywhere.

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THIRD CLASS

Return Postage guaranteed

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JASPILITE

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