

Central Dakota Gem and Mineral Society
Mrs. Blossom Campbell, Editor
1134 North 18th Street
Bismarck, North Dakota 58501

DIGGINS FROM DAKOTA

CENTRAL DAKOTA GEM & MINERAL SOCIETY

- AIM:
1. The study of Mineralogy and Geology.
 2. To foster field trips to collect minerals, gems and fossils.
 3. The improvement of its members in the art of cutting, polishing and mounting gem material.
 4. To provide opportunity for the exchange, purchase and exhibition of specimens and material.

MEETINGS: First Sunday of each month in the Hospitality Room of Capitol Electric Building on Highway 83, north of Bismarck.

VISITORS ARE ALWAYS WELCOME!

OFFICERS:

President	Earle Campbell	1134 N. 28th St.	Bismarck	255-3658
Vice-President	William Buresh	1527 N. 19th St.	Bismarck	223-0611
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Historian	Mrs. Albert Anderson	RR # 2	Bismarck	673-4585
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Editor & Publicity	Mrs. Earle Campbell	1134 N. 28th St.	Bismarck	255-3658
Pebble Pup Leader	Delane Meier	RR 1, Mr. B's Est.	Bismarck	223-8579

All contributions for this bulletin should be mailed to the Editor, Mrs. Earle Campbell, 1134 N. 28th Street, Bismarck, by the 10th of each month.

Other editors may reprint any article from this Bulletin. A credit line would be appreciated.

The Central Dakota Gem & Mineral Society is a member of The Rocky Mountain Federation of Mineralogical Societies and The American Federation of Mineralogical Societies.

JULY MEETING

Because of the holiday weekend, there was a rather small attendance at the July meeting. A field trip was planned for July 14, members to meet at the park south of Mandan on Highway 6. Destination to be the Cannonball River near Bräien.

A picnic was planned for the August meeting. Details are in another article in this bulletin.

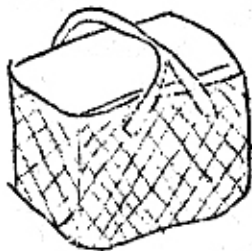
Frank Herr donated the door prize, a nice piece of blue tigereye, which was won by Bill Buresh.

In the absence of program chairman, Dick Bergantine, Stan Fairaizl presented the club's slide-program "Jewels and Gems of North Dakota" Ida Mae Ramberg read the narration.

Harold Brady took charge of the pebble pups.

IT'S PICNIC TIME!

We were unable to reserve the shelter at the J.C. Park this year so our picnic will be held at the large shelter in Sertoma Park. Meeting time is 6:00 p.m. PLEASE NOTE THE TIME CHANGE!



Members are asked to bring their own table service, sandwiches for their family, their own drink (coffee, kool aid, diet pop) and a covered dish - salad, hot dish, or a dessert. This last dish will be placed together so that all may share.

Because the park is so open to the public, we will not have a "show and tell" table. If you bring a specimen be sure it is pocket size, or one you can carry around with you easily.

We will see you Sunday, August 4, 6:00 p.m., at Sertoma Park!!!!

OOPS! DEPT.



Most of the errors made in this bulletin I can say that the gremlins caused. But this is one time that I must confess I made the errors. Not once, but twice! I hereby apologize to Mrs. Ernest Knudson. Her first name is Marjorie, not Martha! Please make the correction in your membership list.

SUE RANDALL sez: Our picnic on August 4 will be held at Area #1 in Sertoma Park, which is in the northwest section. See you there!

July, 1974

FIELD TRIP

"Such a congenial group!" "We thoroughly enjoyed ourselves!" "Let's do it again soon!" "When is the next field trip?" These were some of the remarks that were made when I contacted fellow club members who had taken part in the field trip Sunday, July 14.

We met at the park south of Mandan on Highway #6, at 10:00 a.m. on Sunday, July 14. From there we headed south to the Cannonball River near Breien. The day couldn't have been lovelier - a clear sky without a trace of clouds, 85 degree temperature, a slight breeze - just right to give this redhead a good sunburn!

Pickings were good. Nothing spectacular was found, like the three inch pine cone a young man found last year. In fact, not a pine cone was found this year - unless I didn't talk to the right people.

You have heard the tale of the person who brings up the rear finding the best specimens that everyone else had walked over? It happened again. After we had all left our cars and tramped down to the sand bar, Ed Muggli came by and picked up an excellent specimen of teredo - right where we had all stepped over or by it!!!! Several of us found pieces of teredo, not as good as Ed's, but still nice pieces. Katherine Anderson found an egg shaped rock with a rattle in it. There was a lot of very good petrified wood, agatized, both light and dark in color. Ed Muggli really had a good day! He found a piece of wood that was light blue in color. It is not cutting material but will make a nice cabinet specimen.

Duane Robey is a good person to take on such a trip. He helped identify some of the rocks that were picked up. One pretty black and white specimen I had he identified as being basalt with albite. Another one I thought was unusual turned out to be a "leaverite". So that's what I did, leave 'er rite there for the next rock hound to pick up.

Where and when will our next field trip be?



One of these days I should do an article on the interesting head gear fellow club members wear to these field trips. For instance, the lovely green creation Katherine Muggli wore, or Warren Pederson's topee.

THIS 'n THAT

Our sincere sympathy to Mabel Stavem in the loss of her brother. And to Helen Nelson in the death of her mother, Margaret Mahoney.

Four of our members had displays at the Wilton celebration last month. They were John Dosch, Ray Barnett, Everett Nelson and Ole Stavem. Their displays drew a good crowd into Ole's store.

Are you preparing for our shows in September? Stan Fairaizl announced that we will have much more room at the Mandan show than we have had in previous years. September is just around the corner! Will your display be ready? If you would like to have a display but do not have a case -- see John Dosch.

July, 1974

FROM POTLATCH, IDAHO

Dear Mr. & Mrs. Campbell,

The package arrived today!! Thank you for being so wonderful to send us such a lovely piece. It really is outstanding and will show beautifully the activity of the mollusks in the wood. I believe Mr. Cvancara is correct; it really should be called teredo-bored wood, and perhaps that is how I will label it for display. And I think you were right, the slice shows much better than a chunk would. We really appreciate your help in this matter.

We appreciate so much your efforts to research the teredo and the materials you send to us---and the article in your recent bulletin. It is very interesting. I will use the illustration from Mr. Cvancara's article to illustrate the article, as you did. I know it took some doing to get the material together, but perhaps it helped you to learn a little more about your state's selection of a material to be named state stone.

The teredo is quite a fellow, isn't he? He was really able to make his way through considerable material and house himself quite well. If only he hadn't caused so much trouble for so many people in the process, it might not have been so bad, but he was such a problem for such a long time.

Sincerely,

Florence Anderson

The above article is taken from a letter from Florence Anderson she wrote after receiving a slab of teredo our club sent to her for display in a show in Oregon.

Fellow club members might be interested in learning that our president, Earle Campbell, spent an afternoon at the Capitol, checking to see if any teredo was on display. The governor was out of town that day, but Earle did talk to his secretary, Arlene Leingang. As far as she knew, there was no teredo on display but she agreed that there should be. Earle also checked to see if the specimen of teredo at the State Museum was on display. It wasn't then, but I understand that after Earle's visit, it was dug out of storage and is now where the public can see it.

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COMING EVENTS

August 17-18	MITCHELL, SOUTH DAKOTA - - -	-Corn Palace Rock Club -
September 7	MANDAN, NORTH DAKOTA - - -	-Central Dakota Gem & Mineral Society
September 14	BISMARCK, NORTH DAKOTA - - -	-Central Dakota Gem & Mineral Society
Sept. 20-22	WILLISTON, NORTH DAKOTA - -	-Williston Rock & Mineral Club

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If you are not big enough to stand criticism you are too small to be praised.

cont. by Mrs. Anna Herr

JUNE TRIP OF THE EWALD MUGGLI FAMILY

WYOMING Our destination was Lander, Wyoming, to attend an Army reunion. We stopped at a rock museum at Alcoa, Wyoming, which was located at a dam site not far from Casper. The setting is beautiful with the water and the red rocks. The man who founded the museum was a retired school teacher who came to Wyoming as a young man interested in geology. His sets of maps and rock collections are priceless. He gave us a few pieces of Eden Valley wood and for the youngsters he had some trilobites which he had molded from his largest specimen.

We went Sweetwater agate hunting at Agate Flats. We found a few but had heard people were picking them up by the bucketfuls. Later Ewald, Carol and Gary went to the ranch owned and leased by the fellow hosting the reunion at Lander. There they did find them by the bucketfuls. They don't seem to be as pretty as Montana agate.

The fossil fish seem to be a popular item in many different kind of gift stores throughout some of the states we traveled. At Rock Springs a rock shop was closed - all they did for the past two years was cut limestone in which the fossil was imprinted. We heard the collecting area had been closed by the government.

The most enjoyable rock hunting we did was south of Wamsutter, Wyoming. Here we found turritella agate and algae agate. There was so much agate here we had to limit ourselves because we had a long way to go. The turritella is so plentiful we didn't know where to start collecting. It was a beautiful day and we were high up on the Continental Divide. We could see for miles! It was not easy to get to the collecting area. If anyone would like to go, the map is given to anyone who wants to collect at Wamsutter. You won't be alone. We met and swapped with rockhounds from Oregon up on that rim.

Before we left Wyoming, we stopped at Wheatland at a rock shop. The owners are good friends of the Frank Herrs. Their shop is a nice museum and their jewelry findings were of great variety and reasonably priced.

NEBRASKA The Lincoln National Gem and Mineral Show was BIG! The first day of the show there were 15,000 people. They expected about 40,000 in the four days of the show. Many more attended than were expected. We were lucky to get a motel room. At the fair grounds three huge buildings were used to display rocks and gems. One building held displays, another the dealers, and the third, wholesalers. We allowed ourselves one day to see the show. It wasn't long enough. Although we didn't get to see everything, we sure tried! We left the fairgrounds hot and exhausted but glad we came.

IOWA We stopped at Geode Industries at New London, Iowa. This isn't far from Geode State Park. The shop was closed because of the Lincoln Show. However, a man working there showed us around. After the tour, he gave us a map of the area showing where to find the geodes. We drove out and collected a few. If anyone has occasion to buy from Geode Industries we hope they do so because they are such nice people.

ILLINOIS Our next stop was the Lizzardo Museum of Lapidary Art at Elmhurst, Ill. This museum has beautiful displays of many different kinds of lapidary work. The displays of jade carvings of long ago and recent carvings are probably some of the finest you can find anywhere.

During the bus tour of Chicago, our tour stopped at the Museum of Science and Industry. Although it didn't contain a rock museum, we did feel it was one we would like to go back to see because it was so interesting.

Another day we drove to the Field Museum of Natural History. This Chicago

museum did contain a fine collection of rocks and displays. There was also a large display of Jade. As far as a rock museum, the explanations were very good but the beauty of minerals and gems was not shown so we were a little disappointed. The University of Nebraska State Museum at Lincoln was more to our liking.

MINNESOTA Winona, Minnesota, is the place we hunted for Lake Superior agates. There is a large gravel pit to the north of Winona. We were lucky enough to arrive on a Sunday when no one was working. There were people from Texas, a club from Wisconsin, and a couple from Rochester. The man from Rochester showed us how to recognize the agates when we saw them. The small agates were easier to find. Everyone was looking for a bragging rock which is about the size of your fist. We found Lake Superior agates but we didn't find a bragging rock.

The last place we toured was the Granite Sheds at Cold Spring, Minnesota. We watched them cut and polish the different kinds of granite which come from states as far away as Texas. We were given samples of granite strips of different colors.

We had a good trip but our biggest complaint was the speed limit. Traveling the distances we did, we found we just couldn't drive as far as we wanted to in one day.

Clara, Ewald and family

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A ROCK

I am but an humble rock,
A beauty God has wrought.
They say the Church was built on me,
That I'm far mightier than the sea.
Some folks look, and toss me aside
While others cherish me with pride.
Time passes on as time must do,
And when man's life on earth is thru,
In loving memory of the dead
A rock is placed above the head.

---Author unknown

contributed by Mrs. Anna Herr

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JUST ASK A ROCKHOUND

"You got rocks in your head!" The next time someone says that to you simply remark, "How did you know?" Because you do. A photo that appeared in the January 25, 1973, Western Catholic is proof of it. The picture of the rocks is magnified 5,000 times through a scanning electron microscope. They are part of the balance organs in the inner ears. Researchers at Ohio University are studying these "rocks" to determine what happens to them when they are exposed to gravity conditions different from that of Earth's. Maybe this is why we like "rock" music.

from S.I.E.S. Club News via Gem City
News via Geode Newsletter

SHOP TIP

by Don Kinsey

I have found from working with our beginners in the lapidary classes that one of the problems the beginner faces is to achieve uniform roundness in the "dome" or "crown" of the cabochon.

The beginner tends to think of "shaping" only in terms of the form of the stone when seen from the top or bottom and often pays small heed to the fact that he is getting one end of the cab thinner than another, or is shaping the slope of one side of the crown flatter than the other side.

Proper "cabbing" requires constant checking of the crown and corrections of irregularities by grinding or sanding away high points on the crown or removing flat spots. The cab should be viewed from the edge at all angles to note where such high spots are located or to discover flat spots. Turn the cab in full circle while studying it with its thin edge toward you. Check where the grinding is needed to even things up - and grind at those points carefully, checking the crown shape frequently.

If you simply view the cab from the top alone, the irregularities can escape you and patterns in the cab create illusions, often causing you to grind in irregularities that shouldn't be there. Keep tab on your cab shape by looking at the edge of the stone from each side and from both ends.

from Tulip City Conglomerate via Indian
Mounds Club Stone News

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PHILOSOPHY

Some years ago, the noted research expert, Daniel Starch, asked a sizable sampling of people what were the most valuable guiding principles in living. Several hundred rules, principles, and maxims were submitted. Nine stood out above all the rest. Here they are in the order they were most frequently mentioned:

1. Do unto others as you would that they should do unto you.
2. Know thyself.
3. Life is what you make it.
4. If at first you don't succeed, try, try again.
5. Anything that is worth doing at all is worth doing well.
6. The great essentials of happiness are something to do, something to love, and something to hope for.
7. As a man thinketh in his heart, so is he.
8. Knowledge is power.
9. Be calm and self-possessed, know what you are about, be sure you are right, then go ahead and don't be afraid.

OCCUPATIONAL BIRTHSTONES GAME

Margo and Ray Higgins have furnished the Editor with the makings of a new game, called "Occupational Birthstones." The idea is to select an occupation and then assign a suitable birthstone. To start the ball rolling, the Higgins' suggest:

Homemaker	---Hearthstone
Preacher	---Brimstone
Traveler	---Yellowstone
Astronaut	---Moonstone
Shoe Repairman	---Cobblestone
Politician	---Elarnay Stone
Doctor	---Callistone
Vampire	---Bloodstone
Hortician	---Headstone
Lawyer	---Blackstone
Blacksmith	---Ironstone
Laundryman	---Soapstone

and how about:

Explorer	---Aventurine
Con Artist	---Gypsum
Magician	---Hiddenite
Women's Libber	---Amazonite

The Dopstick, via Rocks & Minerals

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SO YOU THINK YOU HAVE JADE!!!!

1. If a small chip is knocked off the end of the suspected broken surface, it should NOT sparkle in the sun. If it does, it is not jade.
2. If you can scratch it with a knife point, it is not jade.
3. It should be much heavier than a rock of similar size.
4. Tap the specimen lightly with the point of your hammer. If a small moon-shaped fracture shows up it is agate or jasper, but not jade.

If it is jade it will have a smooth, waxy, almost greasy look.

from Tulip City Conglomerate
via Arrowhead Min. Club
via The Glacial Drifter

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You have to give George Washington credit -- surrounded as he was by troubles, he couldn't blame them on the previous administration!

contributed by Helen Nelson