

DIGGIN'S FROM DAKOTA



MONTHLY PUBLICATION OF THE CENTRAL DAKOTA GEM & MINERAL SOCIETY

BISMARCK-MANDAN AND SURROUNDING AREAS

NORTH DAKOTA

DIGGIN'S FROM DAKOTA
Gen & Bill Buresh, Editors
44 Captain Marsh Drive
Mandan, ND 58554



Published by the CENTRAL DAKOTA GEM & MINERAL SOCIETY

Member

Rocky Mountain Federation of Mineralogical Societies

and

American Federation of Mineralogical Societies



- AIMS:**
1. To encourage the study of mineralogy and geology.
 2. To foster field trips for collection of minerals, gems and fossils.
 3. To improve the skills of its members in the arts of cutting, polishing and gem mounting.
 4. To provide opportunity to exchange, purchase and exhibit specimens and other material.

MEETINGS: First Sunday of each month in the Hospitality Room, Capital Electric Building on Highway 83, north of Bismarck; 7:30 P.M. from April through October and 2:30 P.M. the rest of the year. VISITORS ARE ALWAYS WELCOME.

DUES: \$5.00 per family per year.

OFFICERS AND COMMITTEE CHAIRPERSONS:

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Vice President	Mary Peth Osborn	310 - 12th Ave. NW	Mandan	663-1056
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Refreshments	Verna Giese	Route 1	New Salem	843-7005

Subscription rates for non-members are \$3.00 per year.

All members are encouraged to submit articles, etc., for publication during the year. All material for the bulletin should be received by the editor by the 10th of each month. Advertizing in the bulletin by members will also be accepted.

Other editors may reprint articles from this bulletin. A credit line would be appreciated.



North Dakota's Annual GEM AND MINERAL SHOW

Mandan Community Center

September 26 - 27, 1980

"GLORY TO GOD IN THE HIGHEST AND

"ON EARTH PEACE, GOOD WILL TO MEN"

NEXT MEETING: January 6, 1980, 7:30 p.m. (Beginners' Class, 6:30 p.m.)

PROGRAM: Faceting Demonstration by Carl Ellison, Club Member

LUNCH COMMITTEE: Sue Randall, Blossomae Campbell, and Emma Fischer

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PRESIDENT'S MESSAGE

Hi, Everyone,

Well, our Christmas potluck and election meeting has already come and gone. I would like to thank all the wonderful ladies and men, too, for the work they put into the potluck supper of turkey, side dishes, and desserts. I'm sure we all agree that the ladies outdid themselves with the beautiful candles, berries, and tablecloths which made the occasion bright and cheery. I still feel stuffed, but I'm not sure if it's from the second helpings or the third helpings. Again, thank you one and all!

I also want to thank all the people who put their trust in me and allowed me to be re-elected for another year. Thank you and I will do my best to serve you.

At the next meeting we will have Duane Robey, a geologist and member of long standing, take the beginners' and Pebble Pups' class. Bring your rocks and questions.

Also, I will be announcing chairmen for all the committees at the next meeting. If anyone wants a chairman position or wants to recommend someone, please contact me before the next meeting. Those chairmen wishing to keep their positions should also contact me. You can contact me at 663-3903 during the daytime and at 663-3904 during the evening. I'll be happy to hear from you.

Sincerely,

H. A. Brady

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CALENDAR OF EVENTS

Jan. 6	Bismarck, ND--2:30 p.m. Regular Meeting, Central Dakota Gem and Mineral Society, Capital Electric Bldg., Highway 83 North of City
Feb. 8-10	Tucson, AZ--26th Annual Show, Tucson Community Center--Tucson Gem and Mineral Society
June 6-8	Topeka, KS--Rocky Mountain Federation Show
June 12-15	Lincoln, NE--Midwest Federation/American Federation Show
June 20-22	Charlestown, WV--Eastern Federation Show
Aug. 1-3	Pasadena, CA--California Federation Show
Aug. 1-3	Boise, ID--Northwest Federation Show
Aug. 15-17	Shreveport, LA--South Central Federation Show
SEPT. 26-27	HANDAN, ND--NORTH DAKOTA'S SIXTH ANNUAL SHOW, sponsored by Central Dakota Gem & Mineral Society at Handan Community Center. Show Chairman: Don Campbell, 1119 Memorial Highway, Bismarck, ND 58501

AT THE LAST MEETING--Dec. 2

Fifty adults and five children attended the last meeting and enjoyed the annual Christmas dinner. Many made two or more trips for refills and there was still food left over.

Field Trip Chairman Rod Hickle reported that the field trip season was closed for the year and thanked all who helped with suggestions and planning.

Show Chairman Don Campbell announced that he would soon be calling club members for committee assignments for the 1980 show and hoped that in the meantime there would be some volunteers for that purpose.

Bob Randall submitted more information about the club pins which he had proposed for a club project at the previous meeting. After discussion, he was authorized to use the club logo on the pins. The promotion and sale of the pins will be a project of the Show Committee, with the proceeds going into the show treasury.

The slate of nominees for the officers of the Society for the year 1980 was submitted by the Nominating Committee at the November meeting. These nominees, all incumbents, were elected by ballot at the December meeting. The officers for 1980 will be as follows:

President Harold Brady
Vice President. Mary Beth Osborn
Secretary Ted Giese
Treasurer Carol Hickle

The door prize, a necklace with a Montana agate pendant, was donated by Evert Nelson and won by Ted Giese.

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ATTENTION, PROSPECTIVE FACETERS--

As reported on page one, Carl Ellison will give a faceting demonstration for the program for the January meeting. Carl indicated that he would organize a class in faceting if there is enough interest among the club members. He will meet with all prospective faceters after the January meeting to discuss the details of such a class. If you will not be able to attend the January meeting but are interested in joining such a class, call Carl at 258-9177 for details.

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FIELD TRIPS, by Rod Hickle, Chr.

Merry Christmas!

I would like to take this opportunity to thank all the people who helped make our summer field trips enjoyable and successful.

With the exception of our first field trip, our trips rewarded us in that most of us found some very good rocks, minerals, and fossils to put in our collections, use for trading, or for gifts.

At our December meeting Blossomae suggested that we have a winter field trip. It would work something like a progressive dinner. We would find some people who would be willing to show their collections, and we would go from one place to another to look at them.

We will discuss this at our January meeting.

Happy New Year!

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LOOKING BACK, by Earle Campbell

This is to all members of the CENTRAL DAKOTA GEM & MINERAL SOCIETY.

Our 1979 NORTH DAKOTA ANNUAL GEM & MINERAL SHOW is now history!!!

In spite of the problem of the show not being open on Sunday, we had a very good attendance and support from the community with fewer in attendance from any great distance.

This was my fifth show as your show chairman. I have had time to catch my breath and reflect on these past shows. We all have learned many good lessons on what it takes to have a successful gem and mineral show. However, the most important is how well our members pitched in and worked without being asked. We always had people to do the HARD WORK!!! The "thank you" list is long!!! This list contains our members' names as well as the names of people outside our Society in both Bismarck and Mandan in the business community. The cooperation of the Mandan Community Center people we appreciate very much.

I'm afraid to start listing people we are indebted to for fear of omitting a very deserving name. If you helped in any way
(cont.)

LOOKING BACK, cont.

we say "THANK YOU VERY MUCH!!!"

Our 1980 show is well along in planning by a very capable chairman, Don Campbell. Continue your good support of the Chairman as you have in the past and the 1980 show will be the greatest show ever!!!

Start working on your displays and cases NOW!!! Share with everyone your own part in this great hobby by having a display case in the 1980 show.

Again I say to each of you a very heartfelt "THANK YOU ALL!!!"--

Earle Campbell, Past Show Chairman

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DUES--ARE DUE

Dues will be due as of January 1. The treasurer, Carol Hickie, reports that quite a few of the club members have already paid their 1980 dues. The 1980 roster of members will be published beginning with the January issue of the "Diggin's", so if you want your name listed in alphabetical order, your dues will have to be paid by the January meeting.

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IRON STAINS --- To clean iron stains from quartz crystals, dissolve calcite crystals in muriatic acid and use the solution to clean the quartz. It works!

--from Ozark Earth Science News via
The Hourglass News

* * * * *
* F O R S A L E *
* Lapidary Equipment and Supplies *
* Also Crafted Jewelry *
* Christmas Specials *
* F&F Sales and Service 663-9183 *
* 103 - 2nd Ave. NW, Mandan, ND 58554 *
* * * * *

THIS-N-THAT

Verl and Edna Mausehund enjoyed a recent bus trip to California to visit relatives. They brought back with them some bright red clusters of berries which made beautiful centerpieces for the tables for our Christmas dinner.

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Earle Campbell visited the December meeting and Christmas party of the Lake Agassiz Rock and Mineral Club at Fargo. He reports that it was an enjoyable evening and that he also was the winner of the door prize.

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Vina Anderson, Emil Hilken, and Darlene Hohbein have been hospitalized since the November meeting. Vina was present at the December meeting, but her diet restricted her full enjoyment of the dinner; Emil is recuperating at home in Wilton; and at the time of the meeting Darlene was still hospitalized out of state.

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NESTING OIL COOLANT --- If you use an oil coolant in your saw and have trouble with excessive misting, try adding about 1 pint of one of the new synthetic motor oils (polymer base) to the coolant. We have tried this and virtually eliminated misting.

--from THE AGATIZER via
MINERAL MEMOS

* * * * *
* F O R S A L E *
* Top viewing display case, *
* 4' x 2' x 1 - 1 1/2' high *
* 6 Timex Cases - Some Motorized *
* Horizontal Lap for Grinding and *
* Polishing - 13" in Diameter *
* Stanley Fairairzl 663-9712 *
* 205 - 6th Ave. NW, Mandan, ND 58554 *
* * * * *



"PEOPLE RELATIONS"

One of the areas in which the AFMS has long been involved is that of Public Relations which has to do with the public image of our many clubs and the multitudes of people of which they are composed. In general, this is working to create and maintain a favorable impression of the people in the hobby in the eyes of other people, basically, the general public.

There is, however, a very important aspect about our relations with other people that sometimes gets overlooked--and this, whether they are members of our own hobby, some other group, or just part of the public at large. For the want of a better name, let's simply call this thing "people relations," because it involves how individuals affect one another and what they can do for each other.

For instance, did you ever wonder what it is that makes people click? Why are some successful, some happy, some so enjoyable to have around? Do the successful people you know actually have more knowledge or more skill than others? Are the happiest people who seemingly get the most fun out of life, smarter than other people you know? Well, this could be, but more likely it's simply because they have found a "way with other people" and are making the best use of the philosophy of "people relations."

A most delightful thing is that every human being has been endowed with an endless amount of people relations. The great tragedy is that far too many hoard this wealth. They dole it out sparingly and sometimes not at all, or worse yet, may not even be aware that they possess such a thing.

Whether we realize it or not, the common denominator to all success and happiness is other people. Other people just have to be taken into account. It has been fairly well established through various social studies that the person who has learned how to get along with others and how to deal and associate with them has found the key to success and happiness. And likely it all began when he

discovered how to give other people something they needed in return for things he wanted.

Probably the most universal hunger in every human is the desire to be wanted, to be noticed, to be made to feel important. And perhaps the nicest thing about it all is that within each of us is contained the power to instill within other people this feeling of personal worth, so that they will feel appreciated and accepted.

But, you may ask, how can this be done? Again, it's relatively simple if only you will be objective about it. It can be done by setting into motion the ten commandments for good people relations. Let me list them for you.

1. Speak to people
2. Be sincerely cordial
3. Smile at people
4. Call people by their first names
5. Be friendly and helpful
6. Be genuinely interested in people
7. Consider the feelings of others
8. Be alert to render a service
9. Respect the opinions of others
10. Praise generously; criticize cautiously

If you endeavor to live by these simple philosophies, you will be amazed at the changes they will bring about. Endeavor to keep in mind that if you want to make a good impression on the other fellow, the best way to do it is to let that person know that you are impressed with him. Do this and he in turn will judge you as one of the smartest and most personable individuals he has ever met.

Try this philosophy of "people relations" the next time you step out into the world, whether it be at your next mineral meeting, at work, at church, or wherever. You could be surprised by what it can do for you and the world about you.--

Final column of the late Ellis W. Courter, then president of the AFMS, in the AFMS Newsletter, March 1979.



WHAT IS CHALCEDONY?

It is cryptocrystalline quartz, of course. It has the same chemical composition as quartz, but it has a greater amount of impurities. It fills fissures, seams and cavities in rocks; it replaces wood fibers in petrified wood; it is the center of geodes. It is red, white, blue green, brown, purple, pink, black and clear.

If it is pale green it is chrysoprase, one of the more valuable types of chalcedony. If it is red, it is carnelian. If it is in layers it is onyx. If the layers are curved, it is banded agate. If it is clear and has very fine minute bands, it may be rainbow or iris agate.

Chalcedony can be plume agate; it can be dendritic agate; it can be moss agate; it can be those beautiful pink limb casts. Bloodstone is a form of chalcedony. The jaspers are also chalcedony with more impurities.

Chalcedony is precipitated from water. It always occurs in massive cryptocrystalline forms and has lower optical properties than does crystalline quartz.

--From Tourma-Lines via Golden Spike News, Ogden, UT, Nov. 1979

POOR MAN'S OPAL

With the price of everything going up and up, why not try this:

Try making a doublet of obsidian (translucent gray or black) and abalone. Use clear epoxy to glue the two pieces together, making sure the colorful side of the abalone is placed next to the obsidian. Grind off the bottom of the abalone to about 2mm thick which will be the bottom. Use the obsidian for the top. Cut the doublet like you would a standard cabochon. Sand with 600 grit paper and polish with cerium oxide on felt. Would you believe it looks like a black opal?

--From Tourma-Lines via Golden Spike News, Ogden, UT, Nov. 1979



FALSE IVORY

Use beef bones for bone ivory. Don't cook bones; clean them as best you can. Use enough water in a pan to cover the bones. Add as much 20-lb. Team Borax as the water will dissolve (a saturated solution). Heat to warm (not hot) temperature. Put bones in and soak for three weeks or so. Wash thoroughly, let dry for several days, and then you can carve, shape, or drill and polish as you would for a cabochon. It is much easier than carving stone.

Cut round leg bones into squares, drill holes in the sides, and you have links for a bracelet. You don't need expensive tools; house tools will do--round, flat, pointed files--even fingernail files. Use a hacksaw and pocket knife for cutting. Sandpaper and finish with steel wool. With a Dremel tool you can carve flowers or animals in the links. Soak in strong coffee and you'll have "mastodon" ivory. The carved area turns darker than the rest and stands out beautifully.

--Adapted from BRECCA via HOUR GLASS NEWS, Orienta, OK, Nov.-Dec. 1979

LAPIDARY HINT - For slabbing rock ends - glue to a square piece of scrap lumber with AUTOMOTIVE BODY REPAIR COMPOUND. You can get it in gallon cans and a little heat will remove the last thin butt. The wood and rock seal will hold firm with the wood held in the vise and the rock extended. Use new wood each time. --from PEGMATITE via KORN KRIE NEWS

BLEACHING HINT - Soaking black petrified wood in household bleach - such as clorox - may bring out growth rings to enhance an otherwise plain black slab. Cover and let stand for several weeks, adding bleach once a week. Avoid using metal containers as they react with chemicals. The slab should be ground and sanded before it is soaked as the bleach does not penetrate too deeply.

--from The Glacial Drifter via Rock Chatter

COOK'S CORNER--ROBEY'S ROLLS

(Below is the recipe for the delicious crescent rolls baked by Duane Robey for the Christmas dinner.)

$\frac{1}{2}$ c warm water (105°-115°)
 2 pkgs active dry yeast
 $1\frac{1}{2}$ c lukewarm milk (scalded, then cooled to lukewarm)
 $\frac{1}{4}$ c sugar
 1 T salt
 3 eggs
 $\frac{1}{4}$ c soft butter
 7-8 c flour
 (1 t vanilla optional for sweet rolls)
 (This recipe may also be used for 3 one-lb. loaves of bread.)

Dissolve yeast in warm water. Stir in milk, sugar, eggs, shortening, and 4 cups of the flour. Beat until smooth. Mix in enough remaining flour to make dough easy to handle.

Turn dough onto lightly floured board; knead until smooth and plastic, about 5 min. Place in greased bowl; turn greased side up; let rise in warm place until double in size, $1\frac{1}{2}$ to 2 hrs.

Punch down dough and divide into half. Form each half into rolls of desired shape. Place rolls in greased pan. Cover. Let rise until double, about 1 hr. Bake at 325° for 30 min.

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NEWS FOR THE DIGGIN'S

Articles and news items from members are always welcome. All copy should reach the editors by the tenth of each month. The Eds.

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RING OUT THE OLD --RING IN THE NEW

To leave the old with a burst of song,
 To recall the right and forgive the wrong;
 To forget the thing that binds you fast,
 To the vain regrets of the year that's past;
 To dare go forth with a purpose true,
 To the unknown task of the year that's new;
 To help your brother along the road
 To do his work and lift his load;
 To add your gift to the world's good cheer,
 To have and to give a HAPPY NEW YEAR.

Author--Robert Brewster Beattie

--From the Limestone Rattler via the Cycad, Dec. 1979



*Season's
 Greetings*

