

DIGGIN'S FROM DAKOTA



MONTHLY PUBLICATION OF THE CENTRAL DAKOTA GEM & MINERAL SOCIETY
P.O. Box 2445, Bismarck, ND 58502

SERVING BISMARCK, MANDAN, AND SURROUNDING AREAS IN
NORTH DAKOTA

Gen Buresh, Editor
DIGGIN'S FROM DAKOTA
44 Captain Marsh Drive
Mandan, ND 58554

FIRST CLASS



Published by the CENTRAL DAKOTA GEM & MINERAL SOCIETY
P.O. Box 2445, Bismarck, ND 58502
Member,
Rocky Mountain Federation of Mineralogical Societies
and
American Federation of Mineralogical Societies



- OBJECT: 1. To further the study of mineralogy and geology;
2. To arrange field trips to collect minerals, gems, and fossils;
3. To assist its members to improve in the art of cutting, polishing, and mounting gem material;
4. To provide opportunities for the exchange, purchase, and exhibition of specimens and materials; and
5. To share knowledge about gems, minerals, and activities of the Society with the general public. --Article II, CDGMS Constitution

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., November - March. VISITORS ARE ALWAYS WELCOME.

ANNUAL DUES: Family - \$8.00; Individual Adult - \$6.00; Individual Junior - \$3.00

OFFICERS AND COMMITTEE CHAIRMEN, 1982:

President	Rod Hickie	Center	794-3342
Vice President	William A. Buresh	44 Capt. Marsh Dr. Mandan	663-5397
Secretary	Ted Giese	Rt. 1, Box 83 New Salem	843-7005
Treasurer	Ronald P. Wandler	336 Shady Lane Bismarck	255-4947
Chairmen:	Program Blossomae Campbell	1134 N. 28th St. Bismarck	255-3658
	Hospitality Mary Beth Osborn	310-12th Ave. NW Mandan	663-1056
Clip stamp on reverse side	Field Trip Melvin Anderson	1521 LaForest Ave. Bismarck	223-3558
	Annual Show Jane Lanz	600-13th St. NW Mandan	663-8621
OTHER APPOINTMENTS, 1982:			
	Bulletin Ed. Gen Buresh	44 Capt. Marsh Dr. Mandan	663-5397
	Early Class Harold Brady	1401 Sunny Road Mandan	663-3903
	Federation Rep. Bill Buresh	44 Capt. Marsh Dr. Mandan	663-5397
	Greeter Carol Hickie	Center	794-3342
	Librarian-Hist. Glenn Michaels	1700 N. 4th St. Bismarck	258-8417
	Parliamentarian Al Hartl	1111 North 1st St. Bismarck	258-0761
	Publicity Edna Mausehund	Rt. 2, Box 30 Linton	782-4291
	Stamp Chr. Blossomae Campbell	1134 N. 28th St. Bismarck	258-3658

All members are encouraged to submit articles/news for publication during the year. Advertisements from members will also be accepted for the bulletin. Material for the bulletin should reach the editor by the 10th of each month. Permission is given to reprint any article if proper credit is given.



North Dakota's Annual
GEM AND MINERAL SHOW
Mandan Community Center
SEPT. 23 - 24, 1983

NEXT MEETING: Jan. 2, 1983,
2:30 P.M.
Early Class--1:30 P.M.

PROGRAM: Presented by
Rodney Hickle

LUNCH COMMITTEE: Rodney
Hickle, Bill Buresh,
Ted Giese, Ron Wandler



PRESIDENT'S MESSAGE

by Rodney Hickle

First of all I would like to thank all of the committee members and others who helped make our last year a very good one.

I would also like to thank you all for re-electing me for the coming year. I will do my best for the club and for all of the members.

Our club has several committees to keep it running successfully. With the help of many people, the job is an easy one and fun, too.

I have a few jobs filled but there are several left. You did such a fine job last year that I hope many of you will serve again this year. If anyone wants a job, please contact me. I will be contacting many of you soon.

Program, Hospitality, Field Trip, and Annual Show Committees need three members; the rest need one or more.

Our new vice president, Betty Mautz, will be on the Program Committee. I need two more.

The Hospitality Committee will include Mary Beth Osborn, Carol Hickle, and Doris Hickle.

The Annual Show Committee will include Bill Buresh, chairman; Harold Brady; and Norman Mautz.

Bulletin editor will be Gen Buresh.

Early Class: Harold Brady

Federation Representative: Bob Randall

Librarian-Historian: Sue Randall

Publicity: Edna Mausehund

I'll see you all at the next meeting on January 2, 1983. The "old" officers will be on the Lunch Committee, and I will give the program.

THE GIFTS WE GIVE AT CHRISTMAS TIME—D.J. Faulhaber

The gifts we give at Christmas time add beauty to our lives
If we but choose them carefully as Christmas day arrives--
The gifts I speak of aren't the kind we purchase at the store
And wrap so very carefully with tags marked "From" and "For"--
The cost of all these special gifts (the price may be quite high)
And yet we won't be billed for them when Christmas time goes by...
For these are gifts we never choose from racks, displays, and shelves.
These things we each must gather up from deep within ourselves.
Rich gifts of kindness, thoughtfulness, unselfishness, and love
That bring the joy once promised by a star that shone above.

AT THE LAST MEETING--Dec. 5, 1982

The meeting was called to order by Pres. Rodney Hickle; Glenn Michaels served as treasurer pro tem.

After the secretary's and the treasurer's reports, Glenn Michaels, Show Treas., gave a final report on finances for the 1982 show.

Carol Hickle, Greeter, reported 25 adults and 5 juniors present for the Early Class, with 35 adults and 8 juniors at the regular meeting.

Mary Beth Osborn reported that cards had been sent to Duane Robey and Jane Lanz, both of whom have been hospitalized recently. It was also reported that Evert Nelson had recent eye surgery as an out-patient.

Melvin Anderson reported that the schedule has been completed for the club to man the Christmas Seal Booth at Gateway Mall on Nov. 29, Dec. 13 and Dec. 20. Volunteer workers include Leota Jensen, Albert Andersons, Rosella O'Neill, Melvin Andersons, Earle Campbells, Arlene Henry, Bill Bureshes, Bob Randalls, Al Hartl, Mary Beth Osborn, and Agnes Boyd.

The following slate of officers presented by Carol Hickle, Chairman of the Nominating Committee, were elected:

President----- Rodney Hickle
Vice President---- Betty Mautz
Secretary----- Ted Giese
Treasurer----- Melvin Anderson

The President thanked members for the confidence shown him in re-electing him to serve for another year.

A motion was passed to donate \$25.00 to the Open Your Heart Fund and another motion to donate \$10.00 to the Anne Carlsson Home in Jamestown.

Don Campbell, Larry Strand, and Albert Anderson were appointed to serve on the Auditing Committee.

The club voted to give \$75.00 to Capital Electric for the use of the meeting room.

A toothpick holder with a Montana agate cab, donated by Evert Nelson, was won as a door prize by Norman Mautz. The junior

door prize, a necklace with a Mexican lace cab, was donated by Rod Hickle and won by Pat Osborn.

The next meeting will be on January 2nd, 1983. 1982 officers will serve on the Lunch Committee.

After the close of the meeting, every one enjoyed the delicious Christmas dinner, potluck except for the turkeys and dressing purchased by the club. There was a great variety of food and plenty for all.

* * * * *

EDITOR'S NOTE: We are sorry some of you had to miss the dinner. We missed you all. G.B.

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QUESTION heard after the meeting:
Why do meetings go faster on the day of our annual potluck dinner? ? ?

* * * * *

COOK'S CORNER: CHICKEN SUPREME

MIX: 1 pkg Pepperidge Farm dressing
3/4 c melted margarine

SPRINKLE half of this mixture in bottom of 9"x13" pan. (Save rest for topping.)

MIX: 2 1/2 c diced chicken or turkey
1/2 c celery, finely chopped
1/4 c onion, chopped
1/2 c melted margarine

ADD to above: 2 beaten eggs
2 1/2 c milk
3/4 t salt

MIX well. Pour into pan over dressing. Sprinkle remaining dressing over the top.

REFRIGERATE over night. Before baking, add one can of undiluted mushroom soup. Spread gently over top with knife or spatula.

BAKE at 350° for 45 minutes or until done. If desired, Sprinkle a little grated cheese over the top during the last 10 minutes of baking time.

Sue Randall

(Printed by request of potluck samplers at our Christmas dinner. G.B.)

OUR HOBBY'S FUTURE--

HOW CAN YOU MAKE IT SUCCESSFUL?

Congratulations and appreciation to all those individuals "dedicated rockhounds" who will be completing their terms as Federation and/or Club Officers or Committee Chairmen on the local, regional, or national level for the fiscal year of 1981 through 1982.

As evidenced by the advancements and improvements ('82 National Convention) in some of the snags that befall all organizations, we can all look forward to a smoother and more enjoyable future in our hobby.

In the next few months our federations and local clubs will be introducing you to a new slate of officers, committee chairmen and other appointed "serviceable" members. We must share in the progress of our organizations with our full support. Not one single officer, chairman, or appointee will be able to achieve any of the proposed goals alone--we will, as in the past, accomplish greater success in promoting our hobby by uniting and sharing.

Will you as an "ex" officer or chairman offer your expertise to those who will be taking on your positions; or will your sigh of relief indicate that you will (as several have done in the past) never be heard of again participating in club activities?

Frustrations in lack of awareness, negligence in tasks that require immediate response, the ever-present lack of communications between competitive exhibitors and judges (causing less competitive displays at shows), personality conflicts, etc., might tend to discourage some of our active members; but persistent urgings and continued creative efforts will improve and benefit all our organizations.

STAY INVOLVED -- HELP US GROW!

--The American Federation NEWSLETTER,
October 1982



GEOLOGY AND THE ENVIRONMENT

by Dr. Katherine Nelson, MWF

Although many people think primarily of vegetation, wildlife, air and water when they think of the environment, it all starts with the earth itself. Geology is the study of the earth, in all its aspects. The environment is the aggregate of our surroundings. To start with, there is our location on the earth. Our latitude, a measurement of position with respect to the equator and the poles, affects the angle of the sun's rays which reach us. This changes through the year because of the tilt of the earth's axis to the plane of its orbit around the sun. These are important factors for the climate, which is affected also by land and water relationships--with the oceans serving as important moderators, while the most extreme temperatures occur in the interior of large land masses. Affecting climate and weather also are the winds--direction of prevailing winds, strength, frequency of variation, and moisture content.

Then there are the rocks, the basic material of the solid earth, underlaying the oceans as well as forming the continents. It makes a difference whether you live on granite, limestone, slate or glacial drift--a difference in excavating for the foundation of a house; in how easily soil will form (which will vary with climatic conditions); a difference in the landscape that will develop; in whether "acid rains" will be neutralized in the ground or not; in the kinds of resources that might encourage mining or quarrying, farmland or pasture, heavy industry or tourism and recreation.

Those are basic, inorganic elements of the environment--the physical background for life. Living things are composed of cells, which can ingest nutritional matter, give off wastes, and reproduce. Without the physical background--the minerals in the rocks, the elements in the minerals, the waters of the earth and the atmosphere--there would be no nutrients. Life could not exist. Without plants, to turn these inorganic materials into food (aided by sunlight), animals could not exist. Life is fragile--we see rapidly the effects of pollution of air and water, as plants wilt and animals sicken or die. We, too can be victims, as well as a cause of destructive changes.--AFMS NEWSLETTER

PUBLIC RELATIONS * * *

JUNE ZEITNER, AFMS CHAIRMAN

It seems incredible that a club could have a big Regional Show with an all out advertising campaign and lots of publicity breaks, and the next year be virtually unknown in its community. Yet this often happens.

People soon forget. The media concentrates on the present and future, not the past. Also even in a successful and well promoted show, only a small portion of the population of a given area participate. For example, at a recent show in a city of 100,000 the total attendance for two days was 2,000. Not a very impressive percentage of the population. In fact, most of the people at the show were not even residents of the city where the show was held. Nevertheless, the club made money and called the show a success.

If a club is able to reach 2,000 one year, it should aim for 3,000 the next year, and keep on climbing from there. Not to make more money, but to educate more people. So the closing of a show should be just the foundation, the beginning of a year of publicity, not the end.

The name of the club and its activities should be kept before the public constantly. One story will catch the attention of one segment of the public, and another story will appeal to another group.

When the show is over send in stories about who won the prizes, who came the farthest, the origin of the most out of state visitors, the trophy winners, the opinions of the judges, the remarks of the banquet speaker, an interview with the most popular demonstrator, the election of next year's committee.

Follow these stories up with announcements of meetings and classes, with reports of members' talks for schools and civic clubs, with stories of discoveries, visiting dignitaries, science fairs, field trips, scholarship accomplishments and more.

Something happens every single month in a lively club, which is worth a publicity release. Every club should have a Public Relations officer to see that these club activities become part of the community record. Public Relations Officer of each club should get help from the Public Relations Committee of the Regional Federation and from the American Federation.

Clubs should share ideas on getting good publicity. Whenever possible in circulating stories about their activities, the clubs should mention their Regional Federation and the American Federation of Mineralogical Societies so that we can all benefit from every newsworthy item.

Most clubs have important educational activities, interesting programs, fascinating classes and absolutely wonderful shows, but too few people in our cities know these facts. Where we fall down is in public relations. Our public image is vital to our future. Successful Public Relations is a never-ending job.
--AFMS NEWSLETTER, Oct. 1982

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TO REVERSE OR NOT TO REVERSE?

The standard practice of reversing diamond saw blades is now questionable. Laboratory testing has revealed some interesting facts. It has been found that more than 85% of the manufactured blades revealed a loosening of the diamonds when reversed, and a large percentage showed evidence of broken and lost diamonds. The new procedure recommends squaring of the diamond face with a bearing hardened steel roller and sharpening by cutting medium grit carborundum (flagstone, etc.). --CHIPS FROM THE ROCK PILE, 11-82

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People are strange creatures. No other species could worry about instant annihilation while opening an IRA account
--S.I.E.S. CLUB NEWS, Benton, IL, 11-82

THIS-N-THAT

+++JOHN and BERTHA HEBERLE, Missoula, MT have written to inquire the dates for next year's show so that they can coordinate their vacation time with the show. They would also like to order a copy of the picture taken of them receiving the first place plaque at the 1982 show for their exhibit, "Brazilian Agate Creations,"

+++DUANE ROBEY is at home recuperating from injuries sustained in a car accident in which another car "broad-sided" him from the right. All but the No. 4 rib on the right side were broken, he says. He is improving every day and getting out a little now, but will not be going back to work until January. Best wishes for a speedy recovery!!

+++DON'T FORGET to send recipes for the Rockhound Recipes cookbook to be compiled and sold at the 1984 AFMS/CFMS Show in San Diego. See details and mailing address in the "Rocky Mountain Digest" enclosed with the November "Diggin's." Be Sure to include your name, your club name, Federation name, etc.

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PALEONTOLOGICAL DITTY

The first rockhound was a lizzard;
His rock collection was in his gizzard.
Now they say there is no question
These rocks helped with his digestion.
But the motive, I discover,
He was just an old rock lover.
Since he did not have a shelf
He kept them all inside himself.



This was years ago, I guess--
Hundred million, more or less--
Still they find these polished stones
Intermixed with dino's bones.
This is proof of his affection
For his private rock collection.
Rockhounds haven't changed too far
From that ancient dinosaur.
Only difference I can spot
Is the gizzard we ain't got!!!

--TRAPPER'S TALES via BLACK HILLS
PROSPECTOR, Rapid City, SD, 12-82

TURQUOISE--DECEMBER BIRTHSTONE

Turquoise, a hydrous basic aluminum phosphate plus copper and usually iron, is a precious stone used in many types and styles of mounted jewelry. It has been mined from earliest history in Central Asia and was named by the French for Turkish stone. Its colors range from deep blue through varying pale shades to deep green. The amount of iron contained creates the greenness.

On the Mohs scale, it is from 5-6 in hardness. Silica increases the hardness. It is usually found associated with copper deposits, but is found in random veins and pockets close to the surface. Most is found in arid regions. The major sources in the U.S. are New Mexico, Arizona, Nevada, California and Colorado. Traditional usage was in Southwest Indian jewelry.

Overseas and more historically, Persian turquoise was used for thousands of years, generally mounted in gold and mostly matrix free. Its wearers considered it as a good luck talisman.

--PEBBLE TRAILS, Whidbey Pebble Pushers, Freeland, Washington

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IS YOUR TURQUOISE REAL?

Dr. Mike Parsons, chemistry professor at Arizona State University, using a quarter of a million dollar electron microprobe, finds that of all the turquoise he tests, only 20% comes up as a gem. The rest is treated, restructured or a fake!

Howlite slabs (a very inexpensive mineral) can be dyed to resemble turquoise within two minutes, using alcohol soluble alkaline dye. When dry, the dyed howlite is heated and treated with whale wax or paraffin. The wax fills in the minute cracks, rendering them invisible to normal eyesight. --MONTANA COUNCIL REPORTER via BLACK HILLS PROSPECTOR, Rapid City, South Dakota 12-82

THE U.S. ARMY PERMA FROST TUNNEL

The U.S. Army Cold Regions Research and Engineering Laboratory is located at Fox, 10 miles north of Fairbanks, Alaska. There has been a tunnel excavated there for the purpose of determining how commercial tunneling equipment would work in the frozen silts and gravels called permafrost. The tunnel is cut into the near vertical muck cliff on the southeast side of some placer mining operations at Fox.

This muck had filled the whole valley and had covered good gold-bearing gravel.

The excavated tunnel disclosed sediment and rocks that had been frozen for at least 30,000 years. Fossil, plant and animal material and large ice structures have been preserved in this natural deep freeze for all those 30,000 years.

Much of the silt was originally deposited as wind blown sediments. They were subsequently reworked by streams and other processes unique to the far north. Fossil remains of the large-horned bison, small Pleistocene horses, mastodons and woolly mammoths are common finds in the sediments.

Permafrost can be defined as soil or rock permanently below temperatures of 0 degrees Centigrade. [32° F.] In these permanently frozen silts spectacular ice formations take place.

One may go into this tunnel and witness all the spectacular ice formations. So if you are planning a trip to the far north territory of Alaska, you might want to investigate this amazing man-excavated tunnel.

--FIAT-IRONS FACETS, via MINERALSCOOP, Min. Soc. of Utah, 10-82

SHOW VISITOR'S COMMENTS

Oct. 15, 1982

Dear Club Members,

Thank you so much for the lovely ring we received as a door prize. This must have been more than just the usual door prize as it is lovely--and you were so kind to send it to us.

We had such a good time at your show--only wish we could have spent more time. We have attended three or four years and always come home happy that we had made the trip.

The trip home was so beautiful with the golden and red trees and after the rain things looked so clean and green.

Thank you so much,

/s/ Betty and Howard Iarrington
Gettysburg, SD



CALENDAR OF EVENTS -- 1983

- Jan. 2 Bismarck, ND--2:30 P.M. Regular Meeting, Central Dakota Gem & Mineral Society, Capital Electric Bldg., Highway 83 North of Bismarck
- Jan. 7-9 Mesa, AZ--Apache Junction Rock & Gem Club, 19th Annual Gem and Mineral Show, Centennial Hall
- Feb. 11-13 Tucson, AZ--Tucson Gem & Mineral Soc., Inc.--29th Annual Show, Tucson Community Center
- Feb. 26-27 Albert Lea, MN--Lea Area Petra Soc.--Annual Show, Skyline Mall
- Mar. 4-6 Forest Grove, OR--Tualatin Valley Gem Club, Gay 90's Gem Show, National Guard Armory
- Mar. 10-13 Deming, NM--Deming Gem and Mineral Soc. Annual "Rockhound Roundup" Show, State Fairgrounds
- June 10-12 Oklahoma City, OK--Rocky Mountain Federation of Mineralogical Societies, Annual Show
- SEPT. 23-24 MANDAN, ND--CENTRAL DAKOTA GEM AND MINERAL SOCIETY, 9th ANNUAL SHOW, MANDAN COMMUNITY CENTER, sponsored by the Central Dakota Gem and Mineral Society. SHOW CHAIRMAN: William A. Buresh, 44 Captain Marsh Drive, Mandan, ND 58554. (Tele: (701) 663-5397)