



MONTHLY PUBLICATION OF THE CENTRAL DAKOTA GEM & MINERAL SOCIETY

BISMARCK-MANDAN AND SURROUNDING AREAS

NORTH DAKOTA

DIGGIN'S FROM DAKOTA
Gen & Bill Buresh, Editors
1527 N. 19th St.
Bismarck, ND 58501

DIGGIN'S FROM DAKOTA



Published by the CENTRAL DAKOTA GEM & MINERAL SOCIETY
P.O. Box 2445, Bismarck, ND 58501
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:

President	Harold Brady	1401 Sunny Road	Mandan	663-3904
Vice President	Mary Beth Osborn	310 - 12th Ave. NW	Mandan	663-1056
Secretary	Ted Giese	Route 1	New Salem	843-7005
Treasurer	Carol Hickie		Center	794-3342
Chaplain	Earle Campbell	1134 N. 28th St.	Bismarck	255-3658
Bulletin Editors	Gen & Bill Buresh	44 Captain Marsh Dr.	Mandan	663-5397
Publicity	Pius Fischer	501 S. 13th St.	Bismarck	223-4362
Parliamentarian	Gen Buresh	44 Captain Marsh Dr.	Mandan	663-5397
Program	Larry Strand & Earle Campbell	1318 N. 19th St.	Bismarck	258-5128
Librarian	Fred Springer	1134 N. 28th St.	Bismarck	255-3658
Field Trip	Rodney Hickie	1119 S. 9th St.	Bismarck	255-4232
Annual Show	Don Campbell	1119 Memorial Hwy.	Center	794-3342
Pebble Pups	Duane Robey	2119 Ave. F East	Bismarck	258-1194
Historian	Emma Brady	1401 Sunny Road	Bismarck	255-0576
Hospitality	Emma Fischer	501 S. 13th St.	Mandan	663-3904
Membership	Stan Fairaizl	1406 Pioneer Dr.	Bismarck	223-4362
Refreshments	Verna Giese	Route 1	Mandan	663-9712
Federation Rep.	Ida Mae Ramberg	1325 N. 15th St.	New Salem	843-7005
			Bismarck	223-6296

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

NEXT MEETING: March 2, 1980, 2:30 p.m. (Beginners' Class, 1:30 p.m.)

PROGRAM: Silent Auction

LUNCH COMMITTEE: Don Campbell, Fred Springer, and Harold Brady

PRESIDENT'S MESSAGE

Hi, Everyone,

I want to start my message by thanking all the committee members for the fine job they did this past year. Also, thank you to the new committee people for accepting their appointments for this year. Especially, thank you to Bill and Gen for the fine paper they have published and are willing to publish for another year.

We had a wonderful program on faceting at the last meeting. Those that couldn't attend missed a fine presentation. Our next meeting will be on March 2nd and we will be having a silent auction. I'd recommend that you start looking now so that you will have some goodies to bring to the auction.

Pius Fischer and I visited Emil Hilken this past weekend and he sure looks like he's feeling good again. He showed us his rock shop and equipment. If any of you travel by Wilton he said to be sure and stop to visit.

We hear at the last report that Stanley Fairaizl is coming along good after his operation. Good luck, Stan. I am sure he would like some visits, too.

See you all at the next meeting. Don't forget to bring some items for the door prizes and hospital rock bank.

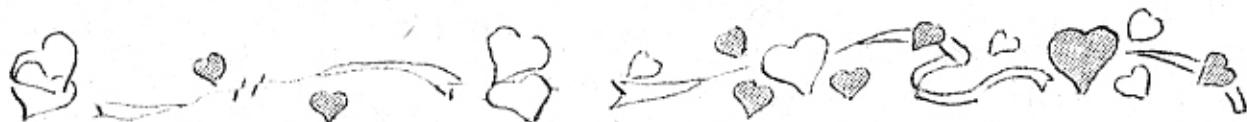
Sincerely,

H. A. Brady



CALENDAR OF EVENTS

March 2	Bismarck, ND--2:30 p.m. Regular Meeting, Central Dakota Gem & Mineral Society, Capital Electric Bldg., Highway 83 North of City
March 29-30	Watertown, SD--South Dakota State Gem and Mineral Show
March 29-30	Mankato, MN--Minnesota Valley Gem & Mineral Club Show
April 19-20	Hibbing, MN--Mesabi Rock & Mineral Club Show
April 19-20	Sioux Falls, SD--Sioux Empire Gem & Mineral Show
April 26-27	Fairmont, MN--Minnowa Rock & Mineral Club Show
May 17-18	Hot Springs, SD--18th Annual Gem & Mineral Show--Picture City Gem & Mineral Society
June 6-8	Topeka, KS--Rocky Mountain Federation Show
June 12-15	Lincoln, NE--American Federation/Adwest Federation Show
SEPT. 26-27	MANDAN, ND--NORTH DAKOTA'S SIXTH ANNUAL SHOW, sponsored at Mandan Community Center by Central Dakota Gem & Mineral Society. Show Chairman: Don Campbell, 1119 Memorial Highway, Bismarck, ND 58501



AT THE LAST MEETING

Thirty-eight adults and five youngsters were reported present at the February meeting of the Society. Among the adults present were guests Jack Harvey, 1806 East Thayer Ave., Bismarck; and Darrell and Donna Snyder, 1108 N. Frontier Trail, Mandan, ND. Also present was Vernie Peterson, grandson of club member Vernie Peterson.

Thirty people attended the pre-meeting discussion lead by Duane Robey.

The treasurer's report indicated a balance of \$154.70.

Bob Randall announced that the club pins had arrived and are available to anyone for \$1.00 each.

Show Chairman Don Campbell reported that the dealers for the annual show are all under contract. He also announced that the treasurer's books from last year's show are ready for auditing. Earle Campbell and Fred Springer were appointed to do the auditing.

Earle Campbell announced that the 1980 Rocky Mountain Federation Show is scheduled for June 6 through 8 at Topeka, Kansas, and the American Federation show is scheduled for June 12 through 15 at Lincoln, Nebraska.

President Brady announced that the executive committee suggested acquiring a case on wheels to house the club's library and another to store the coffee supplies. He said he would check with the building officials about leaving the cases in the meeting room between meetings.

The President also said he has a committee looking for a different meeting place--one that would not have stairs, since there are some members who cannot attend the club meetings because of the two flights of stairs at the site used now.

The door prize, a stickpin with a big eye cab, was won by Blossomae Campbell--her first in eight years of attending meetings. The donor of the prize was unknown.

Reverend Carl Ellison gave an interesting and informative presentation on faceting. "Faceting is easy," says Carl. "Anyone can facet if he has the proper equipment."

The Hospital Rock Bank has been exhausted and President Brady made an urgent plea for more material from members to replenish it.

More items for door prizes are also needed.

The hostesses for the evening were Sue Randall, Emma Fischer, and Blossomae Campbell.

COMMITTEE CHAIRMEN, 1980

President Brady has announced the appointment of the following committee chairmen for 1980:

Chaplain - Earle Campbell
 Editors - Gen & Bill Buresh
 Publicity - Pius Fischer
 Parliamentarian - Gen Buresh
 Program - Larry Strand, Earle Campbell
 Librarian - Fred Springer
 Field Trip - Rodney Hickie
 Show - Don Campbell
 Pebble Pups - Duane Robey
 Historian - Emma Brady
 Hospitality - Emma Fischer
 Membership - Stan Fairaird
 Federation Rep. - Ida Mae Ramberg
 Refreshments - Verna Giese

WELCOME, NEW MEMBERS

Jack Harvey of Bismarck and Darrell and Donna Snyder of Mandan were guests at the last meeting and apparently liked what they saw and joined the club.

D. Oshesky of North Highlands, California, is also a new member. Details about the circumstances of this member's joining are not available at this time.

FIELD TRIPS

Field trip time will soon be here again. Now is the time to be thinking about places we would like to go this year.

I would like to know where you would like to go this season. I need all the help I can get.

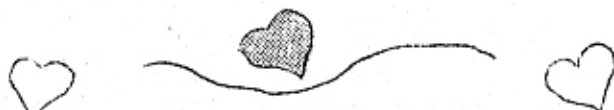
Carol and I will be doing some rock-hounding in New Mexico and Arizona, so we will not see you until March.

Rodney Hickie, Field Trip Chairman

NEW JUNIOR DIVISION AT ANNUAL SHOW

Blossomae Campbell, Trophy and Awards Chairman for the 1980 North Dakota Annual Show, announces that a special trophy will be awarded in the junior division of exhibits. Pebble Pups must be under the age of 16 and do the work on their cases themselves. There will be more information about this trophy in a month or two.

Don Campbell has an extra case he will lend to a Pebble Pup interested in exhibiting at the show.

"SHOW AND GO" EXHIBITS

I have again been appointed as Exhibit Chairman for the 1980 show.

After deliberations with the Show Chairman and others, a decision was made to try a new section in the adult exhibit division of the annual show this year. It will be a special area labeled as "Show and Go" Exhibits. This will be available to guest exhibitors only--visitors who are unable to remain for the duration of the show. They will be permitted to set up and dismantle exhibits at any time and there will be no restriction on the manner in which the exhibits are displayed.

William Buresh,
Exhibit Chr., 1980 Show

THIS-N-THAT

Club Member Daniel Meth has joined the Navy and is taking his boot training at the Great Lakes Naval Center.

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Pius and Emma Fischer spent a short vacation in Las Vegas, Nevada. Emma says she is one up on the "One-armed bandits" and was also lucky at bingo.

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Hospitalized since the last publication were Emil Hilken and Emma Beseler, both of whom are now recuperating at home.

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Past president Stan Fairaizl is presently in the intensive care unit at the Mandan Hospital and his wife Mae is confined at the St. Alexius Hospital in Bismarck.



DUES ARE FAST DUE -- There is only one more month of grace. The names of delinquent members will be taken off the mailing list after the March issue of the "Diggin's."

CLEANING FERN FOSSILS -- On fern fossils, do not use wax, shellac, varnish, lacquer, or spray plastic. These items cannot be readily removed, and destroy forever the fine surface detail. Museums use yellow dextrin, and it can be used on everything to bring out contrast and help preserve the specimen. Just mix a tiny bit of the dextrin with water to the color of tea, and paint it on the fern itself, not on the matrix, and it will stand out, to be preserved. The dextrin washes right off if you wish no harm to the fossil. Be sure to get YELLOW dextrin, not white. It is obtainable in chunks from drug stores.

--OZARK EARTH SCIENCE NEWS via

PEGMATITE

WORKING WITH MALACHITE

Malachite is a soft stone and can be cut and polished by machine or hand. If power tools are not available, you can cut your slabs by hand with a hacksaw, but malachite must be worked with care as it is heat sensitive and brittle. Use plenty of water to prevent heating.

Your stone can be formed on a 220-grit grinding wheel with very light pressure and plenty of water, as it cuts very fast.

Without a grinding wheel you can sand by hand, using a 100-grit sanding cloth for rough sanding followed by 220, then 400, and 600 for the finish. With a power sander, start with 220-grit and finish with 600 with very light pressure. In either case, sand until you have a semi-polish.

Generally the most attractive malachite is banded with both light and dark green markings of different patterns. The dark green is harder than the light green bands, which have a tendency to undercut during polishing.

Polishing should be done with chrome oxide or linde A. The latter works faster and gives less trouble. Try hard leather and keep a close watch as you proceed. Make sure the polish is improving, and if so you are on the right track. If it starts getting worse, stop at once and try doing it by hand. To hand polish, use a soft leather, preferably deerskin, with chrome oxide and a small amount of water. I've found that using a bicycle inner tube about 14 inches long cut in half lengthwise gives you a natural U-shaped piece. Fit the soft leather inside the tube and clamp them solidly to your work table holding the other end in your hand. Now using a stroking motion, move your dopped stone back and forth in the leather, using the chrome oxide mixture. Lift the stone with each stroke.

Use ventilation and a mask as malachite gives off dangerous fumes.

from THE TEMPLATE via THE CYCAD, Jan. 1980

ADDITIONS TO THE 1980 MEMBERSHIP LIST

The following members have paid their 1980 dues since the publication of the last issue of the "Diggin's." Please add these names to your membership roster:

48. Bell, Gordon/Beth	515 N. 22nd St.	Bismarck, ND 58501	223-5146
49. Brady, Harold/Emma	1401 Sunny Road	Mandan, ND 58554	663-3903
*50. Campbell, John	1020 Ave. C East	Bismarck, ND 58501	223-3405
51. Dallman, A.J./Ruby	Hwy. 200 West	Zap, ND 58580	748-2237
52. Glazer, Walter/Donna	2415 N. Washington	Bismarck, ND 58501	258-9390
53. Harvey, Jack/Marja	1806 E. Thayer Ave.	Bismarck, ND 58501	
54. Iverson, Norman/Vinifred	549-6th St. Box 728	Dickinson, ND 58601	
55. Larson, Harold	Box 182	Mandan, ND 58554	663-6148
56. Little, Norman	415 North Bell	Bismarck, ND 58501	223-6853
57. Mitschke, Cliff/Muriel	Box 192	Steele, ND 58482	475-2495
58. Oshesky, D.	P.O. Box 1353	North Highlands, CA	95660
59. Peterson, Vernie/Elizabeth	615 N. 12th St.	Bismarck, ND 58501	223-9179
60. Snyder, Darrell/Donna	1108 N. Frontier Tr.	Mandan, ND 58554	663-5914
61. Springer, Alice		Fort Yates, ND 58538	
62. Springer, Fred/Sharon	1119 S. 9th St. #1307	Bismarck, ND 58501	225-4232

* Junior member