



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
		1134 N. 28th St.	Bismarck	255-3658
Librarian	Fred Springer	1119 S. 9th St.	Bismarck	255-4232
Field Trip	Rodney Hickie		Center	794-3342
Annual Show	Don Campbell	1119 Memorial Hwy.	Bismarck	258-1194
Pebble Pups	Duane Robey	2119 Ave. F East	Bismarck	255-0576
Historian	Emma Brady	1401 Sunny Road	Mandan	663-3904
Hospitality	Emma Fischer	501 S. 13th St.	Bismarck	223-4362
Membership	Stan Fairaizl	1406 Pioneer Dr.	Mandan	663-9712
Refreshments	Verna Giese	Route 1	New Salem	843-7005
Federation Rep.	Ida Mae Ramberg	1325 N. 15th St.	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

DIGGIN' S FROM DAKOTA

Vol. 15, No. 7-8

July-August, 1980

NEXT MEETING: Aug. 3, 1980, 5:00 p.m., Sertoma Park, Bismarck, ND

PROGRAM: Annual Picnic (Details elsewhere)

LUNCH COMMITTEE: Everyone

X X X X X X X

SEPTEMBER MEETING: There will be no bulletin published in August, and Blossomae Campbell will edit the September issue. Save this bulletin for your September meeting reminder.

SEPTEMBER MEETING: September 3, 1980, 7:30 p.m. (Beginners' Class, 6:30 p.m.)

PROGRAM: Silent Auction and Show Details

LUNCH COMMITTEE: To be announced at the picnic in August

X X X X X X X

FIELD TRIP SCHEDULE, July-August, by Rodney Hickle, Field Trip Chairman

July 13 Flint Quarry and Ginkgo Leaf Bed. Meet at 10:00 a.m. Central Daylight Time at the Eagles Nest Interchange on Interstate 94 east of Hebron

July 27 Cannonball Country (new area). Meet at 10:00 a.m. Central Daylight Time at the J.C. Park on Highway 6 in Southwest Mandan.

August 17-Annual Cannonball River trip (annually visited site). Meet at 10:00 a.m. Central Daylight Time at the J.C. Park on Highway 6 in Southwest Mandan.

BADLANDS FIELD TRIP, June 22--We had a nice trip to the Badlands. We found some good wood, some nice sandstone concretions, a few nice pieces of chalcedony, and some rocks with holes in them.

Those who went on the trip were Norman and Betty Mautz and family; Jane Lanz; Mary Osborn and son; Verl and Edna Mauschund; Don Campbell, Glenn Michaels; Ron Wandler; Ewald and Clara Muggli and daughter; and Carol and Rodney Hickle.

Rod Hickle, Field Trip Chr.

X X X X X X X

CALENDAR OF EVENTS

July 17-20 Winnipeg, Manitoba, Canada--11th International Gem & Mineral Exhibition, St. James Civic Center

July 19-20 Moose Lake, MN--Carlton County Gem & Mineral Club, 11th Annual Agate Days Show

Aug. 1-3 Boise, Idaho--Show, Northwest Federation of Mineralogical Societies

Aug. 3 Annual Club Picnic, 5:00 p.m. Sertoma Park, Bismarck

Aug. 15-17 Edina, MN--Southdale Mall Gem and Mineral Show

Sept. 6 Bismarck, ND--Regular Meeting, Central Dakota Gem & Mineral Society, Capital Electric Bldg., Highway 83 North of City

Sept. 19-21 Williston, ND--Annual Show, Williston Rock & Mineral Club. New Armory, S. Main Street

Sept. 26-27 MANDAN, ND--NORTH DAKOTA'S SIXTH ANNUAL SHOW, Mandan Community Center. Sponsored by Central Dakota Gem & Mineral Society. Show Chairman: Don Campbell, 1119 Memorial Highway, Bismarck, ND 58501

Oct. 25-26 Aberdeen, SD--Annual Show, Lakota Glacier Rock Club. YWCA, 405 S. Washington Street

PRESIDENT'S MESSAGE--July, 1980

Hi, Everyone,

Well, one more meeting is over and it's time to write another letter.

We went on vacation two weeks ago to the Black hills and we surely had a wonderful time. I took my metal detector along and managed to explore a valley in between rain storms. I started exploring this same valley last year when we were there. I found thirteen horseshoes, many metal parts from a wagon, and army equipment. Nearly all of it was stamped "U.S. Army."

I also found an old sawmill that had exploded. Parts of a blade, originally about five feet in diameter, a boiler flue lining, and two fire doors were scattered over an area about the size of six city blocks. I left all of this behind except for a 1x3-foot section of a saw blade with ten teeth.

We were pretty lucky in rock hunting. We stopped in a rest area near Wasta and I headed up into the hills. I found a few copralites, bacculites, and about one-fourth of a large ammonite which, when living, probably measured 18 inches across. All of it is coated with pink mother-of-pearl. I was very happy with this find.

At the past meeting we decided upon where and when the picnic is to be held. Just thinking about it makes me hungry!! See you all there.

Sincerely,

H.A. Brady

* * * * *

PICNIC DETAILS

A shelter was no longer available for Aug. 3. However, tables in an open area in Sertoma Park in Bismarck have been reserved for the annual Club picnic to be held at 5:00 p.m., according to Emma Fischer.

For the benefit of new members and out-of-town members, Sertoma Park is in southwest Bismarck adjacent to the Zoo.

All those coming to the picnic should bring their own meat and bread (or sandwiches); their own beverage (remember--

no glass bottles); and one other dish to share--potato salad, pickles, green salad, or cake. Those present at the July meeting signed up for one of these dishes. Others planning to attend should choose from one of the above mentioned dishes.

Also, all members should bring their own dishes and silverware.

DATE: Aug. 3, 1980

EATING TIME: 5:00 p.m.

PLACE: Sertoma Park, Bismarck, ND

* * * * *

AT THE LAST MEETING--July 6

Forty adult members and three children, along with four guests, were reported present at the July meeting. The guests were Iona Ferderer and son John of Roseau, Minn.; Ali Sadri and Weldee Baetsch, both of Bismarck.

There were twenty-seven participants at the pre-meeting discussion.

Field trip chairman Rodne Hickie gave a report on the Medora field trip and announced a schedule of future field trips (see details on page one).

Convention delegate Earle Campbell reported on proceedings at the RMFS Convention in Topeka, Kansas (details on following pages).

Show Publicity Chairman Bob Randall announced that 375 publicity packets were mailed to prospective exhibitors and dealers. Bob also reported that over half of the club pins have been sold.

Members voted to make a donation to the Chrippled Children's Home in Jamestown.

The door prize, a necklace donated by Pius Fischer, was won by Verna Giese.

The bidding on the material at the silent auction was very active.

Verna Giese, Katherine Muggli, and Mary Beth Osborn served on the lunch committee.

* * * * *

"A great man...makes every man feel great."--C.C. Chesterton, New Age

REPORT: THIRTY-SEVENTH ANNUAL MEETING,
ROCKY MOUNTAIN FEDERATION OF
MINERALOGICAL SOCIETIES, INC.
HOUSE OF DELEGATES

TIME: SATURDAY, JUNE 7, 1980, 1:00 p.m.
PLACE: LONG BRANCH BUILDING, FAIRGROUNDS
TOPEKA, KANSAS

After the call to order, flag salute,
invocation, moment of silence to honor
those no longer with us, business pro-
ceeded according to plan.

Reports were submitted, read, and then
approved.

All the proposed changes to the Articles
of Incorporation and Operating Procedures
were passed, including "Option No. 1",
which raised the dues our Society must
pay to the Federation to 75¢ per dues-
paying member.

The nominating committee report was
accepted. Those nominated and elected
are:

President: Albert Johnson,
Salt Lake, Utah
Vice President: George Nobles
Oklahoma City, Oklahoma
Secretary: Mrs. David (Cora) Davis
Salt Lake City, Utah
Treasurer: Tom Chatburn
Oklahoma City, Oklahoma

State Directors

Colorado: Michael Wheat
Colorado Springs, Colorado
New Mexico: Howell Whiting
Roswell, New Mexico
Oklahoma: John T. Alf
Bartlesville, Oklahoma
Utah: William M. Niebel
Pangutch, Utah

Both delegates (Earle & Blossomae Camp-
bell) attended and voted at the meeting.
Both the alternates (Bob & Sue Randall)
also attended and observed. It was a
short meeting, considering the number of
reports and amount of business tran-
sacted. One of the reasons for proceed-
ing rapidly was the extreme heat caused
by the weatherman! The building was air-
conditioned--three sides were open to the
outside, letting in hot air from outside
and letting out hot air from inside.

To sum up, our Rocky Mountain Federation
is in good hands. We are not insolvent,
thanks to the foresight and ability of
our past and newly elected Federation
Officers.

If there are questions concerning the
Annual Meeting, please contact either of
your delegates.

Respectfully submitted,

Earle Campbell,
Blossomae Campbell, Delegates

* * * * *

SHOWS--TOPEKA AND LINCOLN, by Bob Randall

On June 3, Sue and I left Bismarck en
route to Kansas and Nebraska to attend
the Gem and Mineral Shows to be held at
Topeka and Lincoln. While we knew that
Earle and Blossomae Campbell were also
heading for the shows, we didn't know
their travel schedule, but we met them
on the road a short distance south of
Sioux City and traveled in convoy with
them the rest of the way to Topeka. The
Rocky Mountain Federation Show and Con-
vention was held in the Exposition Center
at the Fairgrounds and was hosted by the
Topeka Gem and Mineral Society. It
opened at 10:00 a.m. on Friday, June 6.
We arrived in Topeka on Thursday, which
was set-up day, since I had my Fluores-
cent exhibit and Blossomae Campbell had
her exhibit of Calcite. We camped on
the Fairgrounds about a block from the
show site and found it quite convenient.

The Show was good but the weather was HOT.
One large room at the Exposition Center
was air-conditioned, the other was not.
There were about 20 regular dealers and
an additional eight demonstrating dealers.
There was a large number of very fine
exhibits but only about 35 were entered
in competition.

As alternates we attended the House of
Delegates Meeting at 1:00 p.m. on Satur-
day along with the Campbells. All
business was taken care quite efficiently
and the meeting was over in about two
hours.

Following the closing of the show at
Topeka on Sunday evening, we packed up
and drove part way to Iowa where we

SHOWS, TOPEKA AND LINCOLN, cont.

visited relatives for a couple of days before heading for Lincoln for the National Show, which was the combined American Federation and Midwest Federation Show running from June 12 through June 15. The show was held in the Bob Devaney Sports Center and was hosted by the Lincoln Gem and Mineral Club. Here again we arrived the day before the show to set up our fluorescent exhibit which we entered in competition in the Master Group. Although set-up was scheduled for Wednesday, electrical problems caused a delay and electricity was not available to many exhibits until the morning of the show opening. Exhibitors were frantically trying to finish setting up while the first people were coming, and judging of competitive exhibits was delayed for an hour.

There were 60 retail dealers and about 18 working demonstrations. I did not count the exhibits but there must have been between 300 and 400. Blossomae Campbell exhibited her Calcite. Ed and Wilma Hilgemann from Loola, SD, were there and Wilma had an interesting and educational exhibit of Amber. We also saw Ewald and Clara Muggli, who were active in the "Swap Area." Will Degraff from Fargo was also present.

There were many interesting and beautiful exhibits in all areas. I was particularly impressed with some of the thumbnail mineral exhibits which were entered in competition. There were many outstanding specimens. Among the many special exhibits was one consisting of six cases of Latvian Amber jewelry and other decorative amber items. The cases were tended and explained by several girls in native Latvian costume.

Programs were being presented at regular intervals with a choice of fourteen topics each day.

One end of the hall in which the show was held had tables set up for the Hall of States. Each state in the Midwest Federation area had the opportunity to present promotional material. State flags were provided for each table.

Earle Campbell had brought several boxes of North Dakota material, including state maps, pins, and brochures obtained from the Travel Division. This material was taken almost as fast as it was put out and we ran out before the last day of the show. Flyers advertising our coming September show were made available on this table as well as on the general information table, where there were advertisements for many, many shows all over the country.

Federation pins and some club pins were available for purchase and there were a number of people who had extensive pin collections. We had a good time meeting them and trading our new Club pin.

We were pleased to note that Roland Rasmussen of Rolene Rock Shop, one of our dealers, was awarded the Greg Simon Memorial Trophy for the Outstanding Dealer Display at the National Show. Don and Emma Dricken, who are also long time dealers at our shows, were there assisting the Rasmussens at their booth. Among the other retail dealers were Bruce Simon and Ray Deardorff, both of these having been at one of our past shows. Tom Stockwell, from Uncle Tom's Rock Shop, was active in the Wholesale area.

* * * * *

MILES CITY SHOW, by Emma Fischer

We left Bismarck early on a cloudy 27th day of June, and after having breakfast in Belfield we arrived in Sidney, Mont., where we spent the night with Jack and Lavina Becker. They treated us to a wonderful barbecue.

The Miles City Show had twelve dealers and twenty-five exhibits.

The dealers were: Frandsen's Agates, Sidney, MT; G & J Gem & Stones, Marana, AZ; Linda Ehrle, Miles City, MT; Harmon's Agates, Crane, MT; Stockes Rock Shop, Richardton, ND; Jack Edmundson, Dayton, KS; Rogerson Hobby & Gifts, Terry, MT; Imperial Gems, Oroville, CA; Steve Small World Crafts, Denver, CO; Ricktor Rock Shop, Omaha, NE; Hermann Lapidary Co., Rozeman, MT. They charged four dollars per foot for tables.

MILES CITY SHOW, cont.

A beautiful array of Montana agates were offered for sale at the silent auction.

We bought a twelve-inch rock saw at wholesale and received twelve dollars worth of Montana agate with it. Pius also acquired some nice rocks and I bought some findings and belt buckles.

After the show we visited our son Lyle and his wife in Livingston, MT. Pius and Lyle tried some gold panning and we all tried some fishing. On Monday we all went through the Yellowstone Park.

We arrived home on Tuesday at 5:00 p.m. Had a wonderful time.

* * * * *

SUMMER MONTHS TIME TO

RECRUIT NEW MEMBERS, by June Zeitner

During summer months a good priority for club members would be to recruit new members. The following comments may not apply to your club now, but they are actual comments, and indicate why we need more earth science and lapidary arts enthusiasts, particularly younger ones:

"We have had to discontinue shows, because all of our remaining members are too old." (This was a south Texas club.) "We have to discontinue our meetings. Four of our good families have moved, so now we have only 16 members and half of them don't come to the meetings." (This was an upper Midwest club.) "Our membership is down because most of our members live quite a ways from the meeting place and are cutting down on driving." (This one from California.)

One such complaint would not matter too much, but there are dozens and dozens of them. It is hard to decide the causes and the cures, but I know there is more interest than seems apparent. For example, many clubs aren't getting members and visitors out because of poor communications. The bulletins are often slow. No one calls. Newspapers and radio don't give them space or time...etc. I recently went to a stamp club meeting

and found that way over half the people there were visitors, and not even avid stamp collectors, but had come because the local paper devotes a Daily Column and a Sunday page to stamps and gives the small (20 member) stamp club big publicity. (To my surprise the whole meeting consisted of nothing but selling stamps.) In the same town the 46 member rock club announcements are listed in small print on the women's page.
--from AFMS Newsletter, June 1980

* * * * *

THIS-N-THAT

Ida Mae Ramberg has graduated from a walker to a cane and is improving rapidly.

- - - - -

The Bureshes are leaving soon to help observe the 50th wedding anniversary of Gen's sister and brother-in-law in Anchorage, Alaska, on August 6. From there they will fly on to Hawaii via the "Triangle Flight" to visit their son Bill and his wife Karen, and also do some sightseeing. Bill Jr. is an air controlman in the Honolulu airport.

* * * * *

AMERICAN SPECIMEN WINS IN EUROPE

Mineral shows in Europe do not resemble ours. They are not sponsored by clubs of amateurs. One of the biggest shows is in Munich, Germany. Although competition and rules are entirely different from ours, there are competitions for such categories as the most beautiful. This year the most beautiful mineral specimen was not from some fabled mine in Africa or South America. It was from Elmwood Mine in Tennessee, U.S.A. The specimen was an exceptionally aesthetic group of brilliant purple fluorite crystals adorned with transparent yellow doubly terminated calcite crystals.--
AFMS Newsletter, April 1979

* * * * *

Monday is an awful way to spend one-seventh of your life.

HAVE YOU REALLY LOOKED AT YOUR MINERALS LATELY? COLOUR--by Veryl Carnahan

Colour in minerals is usually overlooked, even though many collectors will choose only the 'showy' minerals because of their display value. We may have a sulphur specimen which we describe as yellow, but the colour of our minerals can be a greater challenge than such a simple classification.

A.G. Werner, in "On External Characters of Minerals," first published in 1774 and reprinted in 1962, lists natural sulphur as sulphur yellow (naturally), orpiment as lemon yellow, native gold and chalcopyrite as gold yellow, pyrite as bell metal yellow, Bohemian jasper as straw yellow, topaz as wine yellow, opal as honey yellow, siderite as Isabella yellow, jasper as ochre yellow and carnelian as orange yellow.

The source of names given to the colours can be an enlightening bit of mineral history. The colour listings in "Elements of Mineralogy" by Richard Kerwin, published in 1793, include pistachio green, sparrow grass green, cochineal red and tombac brown. Almost two centuries after Werner and Kerwin, we find in Dana such unusual colours as siskin and asparagus green, and pinchbeck and broccoli brown. Many of the comparisons are familiar to us but a few need clarification. Cochineal is a red dye, manufactured from an insect. Cinnabar and ruby, and sometimes jasper, are cochineal red, a clear, almost dark red. Tombac is an East Indian alloy of copper and zinc. Mica, which was old yellow mixed with reddish brown, was called tombac brown.

Siskin Green

Siskin green is from the bird, a European finch. The shade is light green inclining to yellow, as found in the mineral torbernite. Pinchbeck, an alloy of zinc and copper named for its inventor, is the yellowish brown, with a metallic or pearly lustre, as found in bronzite, a variety of enstatite. Isabella yellow is said to have originated with a legend. A 19th century archduchess, Isabella, pledged not to change her garments until her husband, Archduke Albrecht of Austria, had captured the city of Ostende, a siege lasting three years. The colour is a brownish yellow consisting of a mixture of pale orange yellow with a little reddish brown.

This short resume on colour should whet your interest in learning more about the particular shade of your specimens. Perhaps someone will display a case of minerals, with the labels showing the distinctive shade of the specimen and its colourful origin. Dana and the dictionary give all the information you will need for such a project. --From "Rockhound News" via "The Rock Vein," Winnipeg, Manitoba, Canada, February 1980

* * * * *

CALLING ALL MEMBERS--NOW IS THE TIME TO - - -

Relax

Plan your show exhibit(s)

Collect items for silent auctions (for the September meeting and for the show)

Save stamps

Enjoy your garden

Think picnic--August 3

Keep cool

* * * * *

HO BOY--An elderly lady was filling out an application for residency in a new retirement village. With some anxiety she answered the questions relating to the state of her health, then signed her name and put down her current address. After "Zip," she printed firmly: "Normal for my age."--from "The Trilobite" via The Rock Vein