

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

DIGGIN'S FROM DAKOTA

Vol. 17, No. 11

November 1982

NEXT MEETING: Dec. 5, 1982, 2:30 P.M.; Early Class, 1:30 P.M. ("Fluorescents", by Bob Randall)

PROGRAM: Christmas Dinner Following Regular Meeting

LUNCH COMMITTEE: All Members



PRESIDENT'S MESSAGE

Dear Club Members,

It looks like rock hunting is almost over for another season. So now we can work on last summer's finds, and dream about a vacation to somewhere the ground is not frozen or covered with snow.

I urge any of you who take winter trips and look for rocks to write articles for the "Diggin's" so those of us not able to travel this winter might enjoy your trip also.

I would like to thank Bill Buresh for accepting the job of Show Chairman.

At our next meeting on December 5 there will be election of officers and our annual Christmas dinner with turkey and all the trimmings, so plan to be there.

Rodney Hickle, President

CALENDAR OF EVENTS

- Nov. 27-28 Eugene, OR--Springfield Rock Club Gem and Mineral Show,
National Guard Armory
- Dec. 3-5 Excelsior, MN--Minnetonka Mineral Club, 5th Annual Christmas Show,
Shorewood Shopping Center
- Dec. 5 Bismarck, ND--2:30 P.M. Regular Meeting and Christmas Dinner,
Capital Electric Bldg., Highway 83 North of Bismarck
- 1983
- 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
- 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 &
Mineral Society. Show Chairman: William A. Buresh,
44 Captain Marsh Drive, Mandan, ND 58554. (701)663-5397



Happy
Thanksgiving

NICKEL SILVER, by Lee Roberts

In the second decade of the 19th century, a German inventor in the city of Hildberg-hausen produced a metal known as nickel silver. It is a nonferrous metal which consists of nickel, copper, and zinc, with the nickel content being anywhere from 6% to 18%, the latter being the finest jewelry grade. This is the grade in which the rockhounds are interested.

"German Silver" became so popular that the manufacturing of it spread to the United States. By 1850 the Indian tribes were making extensive use of it for ornamenting their clothing and saddles as well as for personal adornment. They found it so durable and beautiful, so practical, inexpensive and available, that their finest craftsmen like to use it even today. Nickel silver proved so adaptable to so many different styles of jewelry, so many different craftsmen and such simple tools, that the use of it was assured as far as the Indians were concerned.

Until the sharp rise in the price of silver and gold, nickel silver was neither known nor used by rock hobbyists. Classes have been taught for years on the subject of gold and silver, but nickel silver was not mentioned. Consequently, rockhounds interested in the art of metalcraft have not had the opportunity to use it in their projects until recently. Even now, there are many misconceptions and lack of knowledge about nickel silver. For example, there is the belief that this metal tarnishes quickly and so cannot be used in jewelry. This is simply not true of 18% nickel silver. It needs to be pointed out, however, that there are some people who can not wear any type of metal jewelry, be it platinum, gold, silver, or nickel silver, without the metal tarnishing. This is not the general rule, however.

Another popular misconception is that nickel silver is difficult to solder. The problem in this respect seems to be that the person doing the soldering has not used a hot enough flame. The melting point of nickel silver is 2030°F, which is considerably higher than the 1640°F of sterling silver. This is why it requires more heat from the torch. This

also guards it against being burned during the soldering process.

The toughness of nickel silver is also a point in its favor. Anyone who has spent hours removing scratches and polishing silver appreciates this quality. Nickel silver is an "everyday" metal that can really take every day wear with a minimum of upkeep.

Nickel silver can be soldered with silver solder. After cleaning the piece to be soldered and the solder itself, apply a self-pickling flux to both. Place the snippets of solder on the joints to be soldered and apply the torch to the work with a slightly hotter flame than that used for silver, heating the larger piece first. Allow the finished piece to cool slightly, then pickle in Sparex as usual. After pickling, polish to a high luster.

This metal adapts itself particularly well to stamping and holds the design far longer than silver without blurring with wear. Since nickel silver is tougher, the stamping must be done with a heavier hammer. We use a 16-ounce ballpeen. This provides plenty of weight to stamping the design without tiring the arm. Like all metals, nickel silver "work hardens" and must be annealed from time to time as you work it. The term "anneal" simply means restoring the maximum malleability to the metal by heating it, then allowing it to cool. Nickel silver requires heating to a cherry red color, then plunging into cold water.

This durable metal has a beauty all its own and has earned a place in a list of jewelry metals [that] craftsmen love to work.

--The Glacial Drifter via
Lowcountry Diggings, 11-82

* * * * *

A rockhound is a kind of nut
Whose mind is slightly undercut;
He swings a pick and drives a jeep,
And dreams of agate in his sleep.
He'll pick up any kind of stone
Or piece of glass or even bone.
If he can't name it, he'll assert
That he has found a piece of chert...
--from PUGET SOUNDER via PICK & SHOVEL

!!!

AT THE LAST MEETING, Nov. 7, 1982

Rodney Hickle, President, opened the meeting at 2:30 P.M. with Glenn Michaels serving as treasurer pro tem and other officers present.

The minutes were read and approved and the treasurer's report read and filed. Committee chairmen reported as listed.

Mary Beth Osborn, Hospitality Chairman, reminded everyone of the annual Christmas dinner next month, and requested suggestions for the menu. After discussion, club members voted to have the club purchase stovetop dressing and two turkeys to be roasted by volunteers Emma Brady and Sally O'Neill. Other members should bring potluck food to go with turkey. (See story, page 2.)

On December 5 the early class on "Fluorescents" will be conducted by Bob Randall at 1:30 P.M. The regular meeting and election will follow at 2:30, with the dinner after the meeting.

Carol Hickle, chairman of the nominating committee, announced the following slate of officers:

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

The election will be held in December.

Blossomae Campbell, program chairman, announced that a silent auction would replace the program for November. She explained the rules briefly for the benefit of new members. There was a generous amount and variety of material for the auction.

Fourteen adults and 3 juniors were present at the early session, with 33 adults and 6 juniors at the regular meeting, as reported by Carol Hickle, Greeter.

Correspondence included a "Thank you" note from Charlie/Helen Smith of Teton Gems; an announcement of an independent study program on "Gemstones" from a Texas company (11 lectures on tape for \$325.00); more advertising; and a request from the American Lung Assoc. for volunteers to man a booth at Gateway Mall soliciting funds for North Dakotans with respiratory problems. Volunteers will register each

donor and give him or her a decoration to hand on a tree. The proceeds will go for a program to improve lung health throughout the state. The club voted to participate, with Mel Anderson in charge of finding out dates and scheduling volunteers from the club. The project will start on November 26.

Hospitality Chairman Mary Beth Osborn reported that Jane Lanz had recently returned from Rochester and will begin treatments this month.

Earle Campbell reported on the extension of the deadline date from Oct. 13 to Nov. 17 for comments on the rules in the Federal Register (F.R. 8-17-82, v. 47, #159) for "Geologic & Hobby Mineral Materials Collecting: Rules of Conduct". Earle had obtained a copy of the Federal Register section referred to in the memo discussed at the October meeting. Members were urged to send comments.

Harold Brady moved that juniors attending meetings remain in the meeting room and not leave except with their parents or guardian. The motion was amended to include a statement that membership be revoked for those not observing the rules. Amended motion seconded and passed.

President Rod Hickle announced that due to health problems Jane Lanz had asked to be replaced as Show Chairman, and that Bill Buresh had been chosen by the Executive Board to fill the vacancy on the Show Committee. Bill Buresh was elected Chairman of the Show Committee and thereby Show Chairman for 1983 by the other two members of the Committee, Harold Brady and Norman Mautz.

Viola Anderson won the adult door prize, a nice piece of sulphur from Tioga which was donated by Ida Mae Ramberg. Lee Eckroth won the junior prize, a rock "bird" donated by Gen Buresh.

The meeting adjourned for the silent auction.

Lunch was provided by Larry Strand, Viola Anderson, and Jane Lanz. Mary Beth Osborn substituted for Jane Lanz in the serving line.

* * * * *

LINTON FIELD TRIP, October 17, 1982

By Mel Anderson, Field Trip Chairman

The last scheduled field trip of the year proved to be a great success. Not only were we fortunate to find a good supply of fossils, but we also enjoyed one of the most beautiful fall days of the season.

Those participating in the fossil hunt included the following, and possibly others whom I may have unintentionally omitted:

Bob/Sue Randall	Mel/Vi Anderson
Rod/Carol Hickle	Agnes Boyd
Norman/Betty Mautz and children	
Blossomae Campbell and grandson, John	
Glenn Michaels	Duane Robey

The members who met at the meeting site in Linton had the privilege of having Joe Vetter again guide them to a gravel pit near town and then out to the fossil fields. Only a short time was spent at the pit because very little of interest was found there. The group then went out to the fields where some of our club members had been on a prior trip in July. At this site it wasn't very long before all were busy collecting their share of fossils such as clam shells, ammonites of various sizes, and other items.

After a break at noon to eat our picnic lunches, another two or three hours were spent hunting for more fossils. We then started carrying our finds to the end of the field where they were loaded into our vehicles. From reports received as the items were brought in, all members were well satisfied with what they had found. Of course there always seems to be someone who is more fortunate than others on our field trip outings. This time it was Duane Robey, who found his collection right close to where he had parked his car. He picked up several large fossil concretions along side the fence, where they had evidently been deposited after the landowner had removed them from the field. Such luck!

Many thanks to Mr./Mrs. Gene Malsom, who permitted us to hunt on their land.

* * * * *

DOOR PRIZES, 1982 SHOW

By Gen Buresh and Sue Randall

The grand prize, a clock made from polished black walnut wood by Evert Nelson, was won by Marvin Wahl, Bismarck, as indicated last month. The thirty-six other names drawn for door prizes are listed below:

Violet Schnaidt, Beulah; Emma Richardson, Hazen; Donna Ferderer, New Salem; Mrs. Arnold Flath, Garrison; Gerald Jorgensen, Abercrombie; Leo Krank, Dickinson; Mildred Hournbuckle, Golden Valley; Olive Fricke, Baldwin; Donna Hillius, Dickinson; Lois Jorgensen, Abercrombie; Helen Johnson, Wilton; Howard Larrington, Gettysburg, SD; and Carol Engel, Rapid City, SD;

Thelma Armstrong, Jane Geiger, Steve Helvig, Delores H. Thompson, Leona Hauser, Doug Shelstad, and Milan Ward, all of Mandan; Mary Harris, Eric Lorenz, Staci Gress, Edwin F. Zuern, Jeanie Nolz, Jim Dosch, Candy Seerup, Kerry Tuppert, Debbie Kolegraf, Becky Schempp, Jerry Renner, and Ralph Thompson, Bismarck; and Ben Mueller, Maxine Leite, Phil Thornton, ^{and} DeWayne Martin, Minot.

+ + + + +

ANNUAL CHRISTMAS DINNER, Dec. 5

The annual Christmas dinner for Central Dakota Gem and Mineral Society members will be held after the meeting on Sunday, Dec. 5.

The club voted to purchase turkeys and dressing. Emma Brady and Sally O'Neill volunteered to roast the turkeys. Other members are asked to bring potluck food to accompany turkey. Some suggestions are potato or rice dishes, salads, vegetables, cranberries, relishes, rolls, butter, and desserts.

Also please bring dishes and eating utensils for your own family, and serving spoons for whatever you bring. A few tablecloths would come in handy, and pot holders for hot dishes.

#

NEW MEMBER

Lester Warnke, Scranton, ND 58653

the ROCKY MOUNTAIN DIGEST



Rocky Mountain Federation of Mineralogical Societies, Inc.

Educational Nonprofit

A regional member of the

American Federation of Mineralogical Societies

Ruby Lingelbach, Editor; 1116 S. Gray, Stillwater, OK 74074



OCTOBER 1982

VOLUME 3 Number 6

PRESIDENT'S MESSAGE

As my term of office ends shortly, I will take this opportunity to thank all Officers, Committee Chairmen, Individuals, and clubs for a job well done. It has been a pleasure to serve you, this year has passed very fast.

One of the accomplishments that I am proud of this year is the Articles of Incorporation, By-Laws, Operating Procedures, and Convention Code being brought up to date. This should help the Officers, and Committee Persons do a better job in the future. When these documents are printed and distributed, the individual Societies will be able to have a better understanding of any proposed changes during the next few years.

My only regret this past year is that I did not get to visit as many clubs or attend as many shows as I had planned. Good luck for the coming years.

George Nobles

George Nobles, President

SCHOLARSHIP

RMFMS SCHOLARSHIP REPORT

HUTCHINSON GEM & MINERAL SOCIETY 400%
Hutchinson, Kansas

MCCURTAIN COUNTY GEM AND MINERAL CLUB
Idabel, Oklahoma

It is right nice to add two more clubs to the growing list of clubs who have contributed to the Scholarship Fund this year. We do appreciate their support and thank them very much.

Dixie Lee Alf (Mrs. John T.)
RMFMS Scholarship Chairman

DO IT NOW; NOW IS THE TIME!!

From reports in all the newsletters Rockhounds cook and eat better than any other group. Shirley Leeson, Editor of PEGMATITE - SAN DIEGO, believes this enough to be planning a cookbook of Rockhound Recipes that will be on sale at the 1984 AFMS/CFMS Show in San Diego. All food categories are wanted.

So, send your favorite recipe to Shirley Leeson, 6155 Haas, La Mesa, CA 92041. Be sure to include your club Federation name, your name and offices currently held along with the recipe.

A FEW NOTES FROM FRIENDS OF MINERALOGY
NEWSLETTER - July, 1982, Pete Modreski,
Secretary.

The 5th Joint Friends of Mineralogy/
Mineralogical Society of Arizona
Symposium will be held Sunday and Monday
February 13 & 14 at the Tucson show.
The theme will be "Minerals of
Oxidized Ore Deposits".

The Colorado Chapter of Friends of
Mineralogy has been working on updating
"Minerals of Colorado, a 100 year Record"
by Edwin Eckel, published in 1961.
The new edition's bibliography has
expanded from 35 to 100 pages. (When
this work is completed it will be a
handy reference to have.)

Nov. 13-14, 1982 is the date for the
New Mexico Minerals Symposium at the
New Mexico Institute of Mining and
Technology, Socorro, NM. For informa-
tion on this contact Bob North, New
Mexico Bureau of Mines, Socorro, NM
87801.

HELP!

I have been wanting to do an article
for the ROCKY MOUNTAIN NEWS on club
workshops. Many of the newsletters
have had information on their work-
shops but I did not mark that sub-
ject on each of them. It would be
a terrible job to go back and try
to find this information so would
somebody from each club having a
workshop for their members write
and tell me about theirs. Some of
the things that would be handy to
know for a club planning to start a
workshop might be:

- What kinds of equipment is in it?
- Does this equipment belong to the
club or to cooperating members?
- Where is the workshop located--in

club-owned building or in a private
residence or a community building?

- What kinds of insurance do you
have and approximately how much
does it cost?
- If you had a workshop but do not
now, why did it not work?
- Do you now have some other arrange-
ment to help newcomers learn?
- If you are having big successes
with your workshop, what are you
doing right? Are you willing
to share any secrets along that
line?
- If you are an individual member
who does not have access to a
workshop or lessons, do you have
questions or suggestions?

I THINK THIS IS A GOOD SUBJECT.
PLEASE...



WRITE.

Send letters to:
Ruby Lingelbach, Editor
THE MOUNTAIN NEWS
1116 South Gray
Stillwater, OK 74074 THANK YOU.

SOMETHING TO THINK ABOUT

by Bill White, Lapidary Tech. Chrm.

A lot of people are using the small
table diamond grinding units. They
are, on the whole, very efficient
outfits.

It is very helpful to have a good
arm rest and observe the stone-to-
wheel relationship from a higher
angle--looking down on your work
and not through it at arms length.
If your work table is high, try a
stool in place of your chair.

I am becoming more and more concerned
about the free standing steady rest
used with most of these compact units.
Use them with care and according to
the manufacturer's directions.
Think safety-first with them.