



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



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:

President	Harold Brady	1401 Sunny Road	Mandan	663-3904
Vice President	Mary Peth Osborn	310 - 12th Ave. NW	Mandan	663-1056
Secretary	Ted Giese	Route 1	New Salem	843-7005
Treasurer	Carol Hickie		Center	794-3342
Bulletin Editors	Genevieve L. & William A. Buresh	1527 N. 19th St.	Bismarck	223-0611
Publicity	Blossomae Campbell	1134 N. 28th St.	Bismarck	255-3658
Parliamentarian	Genevieve L. Buresh	1527 N. 19th St.	Bismarck	223-0611
Program	Stanley Fairaizl	205 - 6th Ave. NW	Mandan	663-9712
Librarian	Fred Springer	1119 S. 9th St.	Bismarck	255-4232
Field Trip	Rodney Hickie		Center	794-3342
Annual Show	Earle Campbell & Bob Randall	1134 N. 28th St. 928 N. 16th St.	Bismarck Bismarck	255-3658 233-1625
Pebble Pup Leader	Pat Brady	1401 Sunny Road	Mandan	663-3904
Historian	Emma Brady	1401 Sunny Road	Mandan	663-3904
Hospitality	Emma Fischer	501 S. 13th St.	Bismarck	223-4362
Membership & Subscrip.	John Dosch	2118 Marian Dr.	Bismarck	255-1924
Federation Rep.	Ida Mae Ramberg	1325 N. 15th St.	Bismarck	223-6296
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 28 - 29, 1979

NEXT MEETING: February 4, 1978, 2:30 p.m. (Beginners' class, 1:30)

PROGRAM: Minerals and fossils uncovered during the construction of the McClusky Canal, by Rex Motsendocker, Chief of the Geology Branch of the Bureau of Reclamation, Bismarck, ND. Talk/slide presentation followed by question/answer period, with questions requested from the audience.

LUNCH COMMITTEE: Genevieve Buresh, Sue Randall, and Sharon Springer

* * * * *

NEW PRESIDENT'S MESSAGE

Hi, Everyone!

I wish to start by thanking all my committee chairmen for accepting their appointments. If, as chairman, you have or run into any problems, I will be available at work (phone 663-3903) or at home (phone 663-3904). I'm sure, working together as a team, we will be able to solve any problems that should arise.

I also want to say that I am proud to be your new president for 1979. I want to thank you for electing me.

Because of the cold weather, rock hunting hasn't been too good for the last three weeks. I would like to take some time and tell you what I've been doing with the rocks I have at hand. I have quite a bit of teredo wood on hand and I've been slabbing this into 3/4-in. slices. I then mark the slab and also the chunk and store the chunk away. I have the slab close by to tell me if I have run across a good specimen. Lately I've come up with some exceptional pieces. Usually I can saw rocks at my place of business and still get my work done, which makes it quite handy.

(cont. page 2, col. 1)

CALENDAR OF EVENTS

- Feb. 4 Bismarck, ND. 2:30 p.m. Regular meeting, Central Dakota Gem & Mineral Society, Capital Electric Bldg., Highway 83 North of City
- Feb. 1-5 Quartzite, Ariz. 13th Annual Quartzite Pow Wow--Quartzite Improvement Assoc.
- Feb. 9-11 Tucson, Ariz. 25th Annual Tucson Gem & Mineral Show--Tucson Gem & Mineral Society
- Feb. 9-19 Tucson, Ariz. Annual Commercial Show--Southwest Gem & Mineral Spectacular
- March 9-11 Ogden, Utah. Gem & Mineral Show--Golden Spike Gem & Mineral Society
- May 19-20 Hot Springs, SD. Gem & Mineral Show--Picture City Gem & Mineral Soc.
- May 19-20 Guymon, OK. Gem & Mineral Show--Tri-State Rock Club
- June 8-10 Rapid City, SD. Rocky Mountain Federation Show
- July 12-15 Tampa, FL. National Gem and Mineral Show
- SEPT. 28-29 MANDAN, ND. NORTH DAKOTA'S FIFTH ANNUAL SHOW--CENTRAL DAKOTA GEM & MINERAL SOCIETY

NEW PRESIDENT'S MESSAGE, cont.

It seems that all spring and summer most of us collect and collect. At the time we don't always look too closely at what we find. Right away they go into the sack. When we get home the specimens end up in a box in the garage. I've found that now is the time to dig out those boxes, wash all the rocks, and get a good light to check your finds. You will be surprised at how many good rocks you have for cutting and trading stock.

I would like to wish each and every one of you a very Happy New Year, and especially a lucky one in your rock-hunting days ahead.

H. A. Brady, President

* * * * *

AT THE LAST MEETING--January 7

Thirty-three members, eight children, and four guests were reported present. The guests were John and Lily Driscoll, Ron Wandler, and Glen Michaels, all of Bismarck.

Show Chairman Earle Campbell reported that the bill to amend the Sunday closing law was assigned to the Business, Industry and Labor Committee, and hearings on it will be held at 9:15 a.m. on Tues., January 9. Earle will be present to testify and anyone interested in the proceedings is welcome to observe.

NOTE: Earle reported a few days later that the hearing was postponed to 9:30 a.m. on January 15.

Following the transaction of old business, retiring President Stanley Fairaizl installed the officers for the year 1979.

Harold Brady, the newly installed president, announced the appointment of the following committee chairpersons:

Program Stanley Fairaizl
Field Trip Rodney Hickie
Bulletin Editors . . . Gen & Bill Buresh
Publicity Blossomae Campbell
Show Co-Chr. . . Earle Campbell/Bob Randall
Librarian Fred Springer
Parliamentarian Gen Buresh

Historian Emma Brady
Pebble Pup Leader Pat Brady
Hospitality Emma Fischer
Membership/Subscrip. . . . John Dosch
Federation Rep. Ida Mae Ramberg
Refreshments Verna Giese

The door prize, a slab of a blue Brazilian agate donated by Julius Thies, was won by Daniel Meth.

The program was presented by club member Ed Muggli, who demonstrated the art of faceting with simple and inexpensive equipment, some of it improvised. The spectators marveled at the simplicity of the operation.

At the last Annual Show the Mugglis had an exhibit of beautifully faceted stones which were products of the process demonstrated at the meeting.

Lunch was served by Edna Mausehund, Cecelia Dosch, and Blossomae Campbell.

* * * * *

WELCOME, NEW MEMBERS

John and Lily Driscoll who came to the last meeting as guests departed from the meeting as new members. John is a medical doctor. Their address is 2432 LaForest Avenue, Bismarck, ND 58501.

* * * * *

THIS-N-THAT

Joyce and Don Larson are the proud parents of a baby girl born on Jan. 9 at St. Alexius Hospital. They named her Heidi Renee.

- - -

Emma Fischer reports receiving a letter from the Theises, who have spent the past month in Texas and are now on their way to Arizona. Rosa & Julius reported having difficulty in traveling to Texas. The Fischers plan to meet the Thieses in Quartzite, weather permitting.

- - -

DUES ARE DUE!

DUES ARE DUE!

THIS-N-THAT, cont.

Blossomae and Earle Campbell report receiving a letter from Bill Collins of Vernal, Utah, with an enclosure of a check for the 1979 dues. Bill stated that he had purchased a home with a basement and he will now have room to spread out his accumulations. He also reported going rock hunting and finding dinosaur coprolite. Bill enjoys the "Diggin's".

- - -

At the last meeting the Randalls circulated a Christmas card from club members Dick and Bea Merrill, who now reside in Worland, Wyoming. The Merrills extended their holiday greetings to all club members and said they were looking forward to receiving the monthly bulletin with news of club proceedings.

* * * * *

JANUARY BIRTHSTONE

The birthstone for January is the red Garnet quit often called PYROPE GARNET. Garnets come in several shades of red, also they may be green, yellow, brown or black. They may vary quite a bit in hardness, as some will scratch quartz and others will be scratched by quartz.

Garnet does not seem to have the romance that many other gem stones do. It was once reserved for royalty and mystically it symbolized faith and constancy. The wearing of garnets was suppose to ward off accidents during travel.

The best Pyrope Garnets have been found in Arizona, South Africa (some in blue clay with diamonds) and Bohemia and more recently in other locations.

* * * * *

CONFUSE-US SAY:

1. He who finds strange dinosaur fossil has bone contention.
2. Persons who have rock clubs must also have strong arms.
3. He who rocks boat gets bottom wet.
4. Timid men who go in rock quarry will soon get boulder.

From THE GEODE via OSAGE HILLS
GEMS

ERRATICS

Stones and boulders moved south by the ice age are called erratics, and the most famous and exciting are the small diamonds that are occasionally found in Illinois, Indiana or Ohio---brought down by the ice from somewhere in Canada and left lying in some field or stream bed. Quite a number of these strays have been found, a few worth many thousands of dollars. Their source has never been discovered although people have scoured hundreds of square miles of Canada to the north, hoping to locate the volcanic "blue ground" in which diamonds are usually found. Canada is such a large country it may never reveal the source, or the source could be covered with fill from further north.

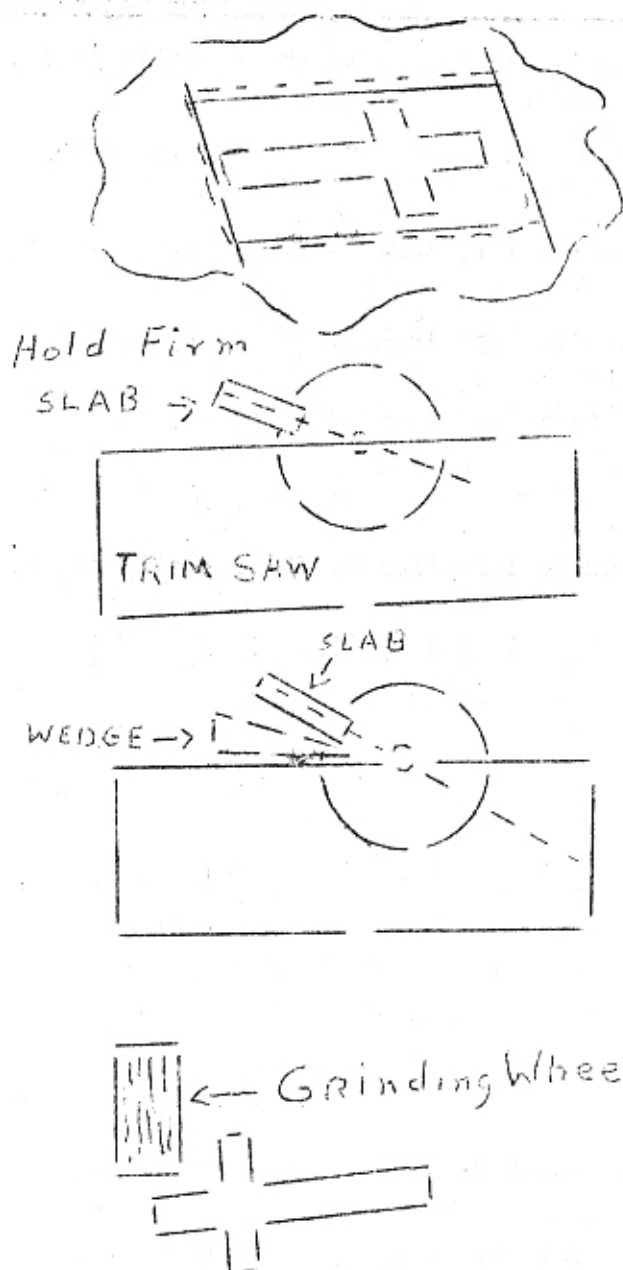
From ROCK BOX via OSAGE HILLS
GEMS

* * * * *

THE ROCK PILE by Charles G. Schweitzer

I'll tell you what I often do,
When I am tired or feeling blue:
I like to take a chair or box,
And sit beside my pile of rocks,
I get a thrill as I begin
To think of places I have been
To gather these, my treasures here,
In various spots both far and near.
Although I've sat here oft before,
Each time I find in this rock store
Some hidden gem I did not see,
Which somehow hid itself from me.
You'd be surprised the peace of mind
This simple act helps me to find.
So I advise you, when you are blue,
To do this thing I often do.
You'll find relief from toil and care,
You've left them at the rockpile there.

From PICK & CHAPPER via Korn Crib
News



HOW TO MAKE A CROSS

Grosses are popular pendant pieces, usually flat with a rectangular cross-section.

SAWING: The slab should be not less than $\frac{3}{16}$ inch thick and not more than $\frac{1}{4}$ inch thick. On an area free from flaws and using a double template, if possible, mark around the outline. Saw off excess material as illustrated, making a rectangle a little larger than your cross. Now saw out corner pieces of stone as illustrated.

NOTE:

Because the saw blade will undercut (that is, saw deeper on the bottom of the stone than on the top) you must tilt your stone at an angle to align with the axis of the arbor, being sure to **HOLD THE STONE FIRMLY**. A wooden wedge of the proper angle with a slot in the middle for the saw blade is very helpful for sawing inside corners as it also helps prevent undercutting.

GRINDING: Coarse: Grind out the corners of the cross on the side and edge of the wheel. Check the stone to deep the bars at 90 degree angle. Take care not to grind a curve into the sides.

DOPPING: If you are making a small cross, you may want to dop it before sanding it. Use a dop stick slightly smaller than the width of the stone and use enough wax to support but not extend over the edge.

SANDING: On straight, smooth cratex wheel or a sanding drum in good condition sand the flat side first, then the bar sides.

POLISHING: Polish on leather or felt buff with tin oxide.

NOTE: Remember to keep the angles true and sharp. Make sure you sand and polish well into all corners.

TULIP CITY CONGLOMERATE via GI NUGGET

SHOP HINT

A non-foaming detergent such as borax compound will make your grinding wheel cut much faster. Tri-Sodium (TSPO) or one of the controlled suds detergents that are designed for use in automatic washing machines. Use about one heaping teaspoon of detergent to each 5 gal. of water that you drip on your grinding wheel. It helps in your tumbler too, because the foam action tends to hold the grit in suspension and prevents it from settling.

DUES ARE DUE

DUES ARE DUE

A JOURNEY TO THE NORTH DAKOTA EVERGLADES--
THE CROCODILE WAS ONCE THE KING OF
BEASTS, by Carol Pine

(Editor's note: This lengthy article appeared in the Tulip City Conglomerate, Holland, Mich., and came to our attention when reprinted in the October 1978 Points of Interest, edited by Stanley E. Votruba. No doubt most of our club members have read sketchy reports about this find in the Badlands. It was felt that this interesting report warrants reprinting here.)

Everything seemed to flourish here. Cypress trees grew in knotty clusters in the silent backwater swamp that led to a large freshwater lake. Ferns, spiky palmettos and grape ivy vines lined the pristine shore. Water birds stalked their food and snapping turtles surfaced from beneath lily pads. The days were sometimes steaming in this semi-tropical world without man. In his absence, a community of crocodiles ruled.

This place is not an African jungle, or a Florida everglade where thick mangrove swamps still defy human passage. It is western North Dakota--58 million years ago. Where prehistoric creatures roamed in a semi-tropical aquatic world, cattle ranchers now raise Black Angus and Hereford steers. Freshwater lakes have evaporated into grassy buttes and parched Badlands. Farmers struggle to grow crops on semi-arid acreage. Now, ~~it~~ snows a lot.

For seven years, Bruce Erickson, director of Paleontology for the Science Museum of Minnesota, and several colleagues have been scooping away rock and probing well below the surface of an isolated butte in western North Dakota, just north of Teddy Roosevelt National Park. They have uncovered bones and skeletons of prehistoric crocodiles, turtles, and birds never before seen by man. Most of the creatures have been given scientific names for the first time.

The animals that populated a lush and watery North Dakota were strangely compatible, Erickson says. Even alligators lived among their traditional rivals, the crocodiles. It was a time when the continents were positioned many degrees closer to the Equator than they are now;

when North America, Greenland, the Scandinavian countries, North Atlantic Ocean simply did not exist. Apparently, the strongest of these North Dakota creatures took long journeys, crossing several continents. Scientists call this epoch the Paleocene Age. It spans about 8 million years--after the Age of Dinosaurs and before modern mammals evolved. It was a vital transition period in the earth's history, and it is Erickson's specialty.

Every summer the 47 year old paleontologist returns to his "crocodile quarry" near Wannagan Creek in No. Dak. to piece together more parts of this curious prehistoric puzzle. Although he is not near the end of the probe, Erickson has agreed to share details of an expedition until now known only to scientists and a few ranchers near Wannagan Creek.

Like many important scientific discoveries, this one was an accident. One afternoon Swede Adams, a cattle rancher, piled his wife, his son, and his sister into the family pick-up and headed toward a craggy, desolate piece of North Dakota prairie known as the Badlands. After an 8 mile drive, they left the truck and walked toward a solitary ridge where Swede had spotted a cluster of mysterious mud-caked bones. The family collected the bones and loaded them onto the bed of the pick-up. The following day Swede's sister packed the bones in an old shoebox, and carried them to the Science Museum in St. Paul.

When Erickson first saw the bones, he says, they did not strike him as an important find. (He has more specimens than he can count locked away in an underground room at the Museum that the uninitiated might call a "fossil morgue" but Erickson refers to as his "library.") He agreed, however, to look the samples over. That evening, with the help of his young son, Erickson bathed the bones in a laundry tub. Still, he was unimpressed. "They looked like a few old crocodile bones, only that," he says. But Erickson's attitude changed when he examined a group of skulls and discovered they belonged to 6 prehistoric crocodiles--creatures that even

he had never seen before. The whole region might be infested with them, he thought. A nesting site, perhaps. Enough evidence to help describe what life was like 58 million years ago in North Dakota and to help suggest how and when the scene changed.

The caravan of jeeps, trucks, tents, collapsible instrument shed, water tank on wheels, pounds of provisions and people starts its westward trek toward Wannagan Creek every June. For nearly 4 months, the seekers of scientific clues sleep under canvas, bathe in the river, swelter in mid-day heat as high as 114 degrees and shiver through an occasional snowfall. They battle wind, hail and rain storms that sometimes rip tents loose and often leave the trail leading to camp impassable. Rain turns that No. Dak. clay into a sticky, greasy mass the local folks call "gumbo". Each day the excavation crew is up at 6:30 a.m. and out on the quarry site by 7:30, ready to rip surface rock with a tractor and probe by hand for the delicate remains of an age embedded in stone. The gems are encased in thick plaster and burlap "field jackets," then shipped back to the Twin Cities. Each fossil--however small--is drawn on a working map indicating its exact size, shape and location. Meanwhile, Erickson, in his dusty dungarees and safari jacket, makes precise field notes in millimeters and degrees, puzzling acronyms and tongue-tripping Latin. Soon the notebook is filled in neat ink script. No scribbles; few crossed-out words.

Year after year, Erickson's Wannagan Creek crew slices off more tough layers from that Butte where the Adams family found mud-caked crocodile bones. Erickson says the ground was literally "paved" with fossils when the exploration began in 1970, and the recovery rate hasn't slowed since then. Heavy field jackets and their prized cargo are piling up in the Science Museum where patient "preparators" in Erickson's paleontology lab pick away at plaster and stone to reveal ancient bones that look like petrified wood and spiked teeth, still intact in the narrow skull of a predator, like a bed of nails. A 15 foot crocodile hangs suspended from the ceiling, jaws agape.

It took 2 years to piece that creature together. Countless bone fragments provide a jigsaw of the toughest kind. "There's no blue sky in this puzzle," says preparator Pete Gansel as a dusty colleague blows tiny particles of stone and plaster away from bone with a sand-blaster. So far, the butte at Wannagan Creek has produced 40 of the oldest crocodiles in North America. Erickson calls the all-new strain Laidyosuchus formidabilis. Examples range from eight-inch "hatchlings" to a 15-foot granddaddy who must have been the ruling elder, or one of them, of that North Dakota swamp 58 million years ago. No doubt about it, crocodiles were the most abundant and dominant form of life, says Erickson.

In addition to crocodiles, the research team has turned up a crocodile-like neofish called Champsosaurus who probably spent most of his time withering along the swamp bottom, out of harm's way. Two years ago, the first alligator was discovered. Pieces of the alligator--peckmarked bones of all sizes arranged in neat little black boxes--now lie on Bruce Erickson's office credenza waiting for assembly. The pre-historic alligator, no more than 5 feet long, was hardly a match for crocodile rivals three times its size. Also at Wannagan Creek, the team discovered about half a dozen different prehistoric turtles, most of them new undescribed forms, including the oldest snapping turtle in the world, which predates others by millions of years. Erickson named the beast Protochelydra zangerli, after a former, good natured boss. Other new species include prehistoric water birds, lizards, snakes, frogs, salamanders, a variety of small mammals, microfossils and many fossil plants. Erickson says at least 80% of all his specimens from the No. Dak. site are totally new to science.

North Dakotans can't expect a return to the sub-tropical climate enjoyed by crocodiles 58 million years ago, but they can visit the Science Museum of Minnesota in St. Paul, when Bruce Erickson's important search is completed and meet their prehistoric "neighbors" first hand. The exhibit will include granddaddy Laidyosuchus formidabilis, Champsosaurus and Protochelydra zangerli.

1979 MEMBERSHIP LIST

Listed below is the 1979 membership list of Society members whose dues were reported paid by the time of this publication. Additions to this list will be published as they are reported. Space has been provided at the end of this list for each of you to add names of additional members as they are published during the year.

Name	Address	Post Office & Zip	Tele.
1. Anderson, Albert & Vina	Route #2	Bismarck, ND 58501	673-3189
2. Anderson, Melvin & Viola	1521 LaForest Ave.	Bismarck, ND 58501	223-3558
3. Beseler, Walter & Emma	Box 1-A	Hazleton, ND 58544	782-6288
4. Bobb, Spencer & Maxine		Taylor, ND 58656	974-3441
5. Brady, Harold/Emma/Pat	1401 Sunny Road	Mandan, ND 58554	663-3904
6. Buck, Walter & Jacquelin	1807 Linda Dr.	Mandan, ND 58554	663-8531
7. Buresh, William/Genevieve	1527 N. 19th St.	Bismarck, ND 58501	223-0611
8. Burke, Phil	1101 Capital Ave.-Apt. 38	Bismarck, ND 58501	222-0552
9. Campbell, Earle/Blossomae	1134 N. 28th St.	Bismarck, ND 58501	255-3658
10. Campbell, John*	1020 Ave. C East	Bismarck, ND 58501	223-3405
11. Collins, W. E.	512 N. 300-W	Vernal, UT 84078	
12. Dosch, John & Cecelia	2118 Marian Drive	Bismarck, ND 58501	255-1924
13. Driscoll, John & Lily	2432 LaForest Ave.	Bismarck, ND 58501	258-0184
14. Fairaizl, Stanley & Mae	205 - 6th Ave. NW	Mandan, ND 58554	663-9712
15. Fischer, Pius & Emma	501 S. 13th St.	Bismarck, ND 58501	223-4362
16. Giese, Ted & Verna	Route 1	New Salem, ND 58563	843-7005
17. Gilliland, Charles & Carol	1512 Harmon Ave.	Bismarck, ND 58501	258-0706
18. Glazer, Walt & Donna	2415 N. Washington	Bismarck, ND 58501	258-9390
19. Hartl, Al & Ruth	1111 North First St.	Bismarck, ND 58501	258-0761
20. Herr, Frank & Anna	528 West Villard	Dickinson, ND 58601	225-8712
21. Hickie, Rodney & Carol		Center, ND 58530	794-3342
22. Hilgemann, Ed & Wilma	Box 216	Leola, SD 57456	
23. Iverson, Winifred & Norman	549 - 6th St., Box 728	Dickinson, ND 58601	
24. Jacobson, Tilmer & Anita		Bowbells, ND 58721	377-2666
25. Jennings, Carl & Adeline		Washburn, ND 58577	462-3667
26. Johnson, Darwin & Claryce	Box 217	Garrison, ND 58540	463-2402
27. Knudson, Ernie & Marjorie	2020 Catherine Drive	Bismarck, ND 58501	255-4796
28. Krank, Leo & Bertha	1161 - 12th Ave. W.	Dickinson, ND 58601	225-3194
29. Larson, Harold	Box 182	Mandan, ND 58554	663-6148
30. Lindvig, Ralph	Route 1, Box 147	Williston, ND 58801	572-5023
31. Mausehund, Verl & Edna		Linton, ND 58552	782-4291
32. Merrill, Richard & Bea	1117 Russell	Worland, WY 82401	
33. Metcalf, Joseph & Hilda	203 - 4th Ave. NE	Mandan, ND 58554	663-8302
34. Meth, Daniel	1014 Boulevard	Bismarck, ND 58501	223-3223
35. Muggli, Ed & Katherine	Box 63	Glen Ullin, ND 58631	348-3103
36. Muggli, Ewald & Clara	Box 27	Glen Ullin, ND 58631	348-3897
37. Nelson, Adolph & Dora	806 - 15th Ave. W.	Williston, ND 58801	572-3446
38. Nelson, Evert & Nettie	Box 118	Washburn, ND 58577	462-3680
39. Ness, Ken	Box 351	Washburn, ND 58577	
40. Osborn, Mary Beth	310 - 12th Ave. NW	Mandan, ND 58554	663-1056
41. Ramberg, Joel & Ida Mae	1325 N. 15th St.	Bismarck, ND 58501	223-6296
42. Randall, Bob & Sue	928 N. 16th St.	Bismarck, ND 58501	223-1625
43. Richardson, Vernon & Emma	Box 305	Hazen, ND 58545	748-2990
44. Robey, Duane & Ledores	2119 Ave. F East	Bismarck, ND 58501	255-0576
45. Schubert, Roy & Shirley	Box 10	Richardton, ND 58652	974-3705

* Junior Member

1979 MEMBERSHIP LIST (cont.)

46. Springer, Mrs. Alice		Fort Yates, ND	58538
47. Springer, Fred & Sharon	1119 S. 9th St., #1307	Bismarck, ND	58501 255-4232
48. Strand, Larry & Janice	1318 N. 19th St.	Bismarck, ND	58501 258-5128
49. Thies, Julius & Rosa		Menoken, ND	58558 673-3452
50. Thompson, Herb		Mercer, ND	58559
51. Tonander, John & Margaret	203 Ave. B East	Bismarck, ND	58501 223-1379
52. Vetter, Joe & Agnes		Strasburg, ND	58573
53. Metsch, Mike & Rose	P.O. Box 5	Mandan, ND	58554 663-5596
54. White, Al & Marlene	604 - 10th Ave. SW	Mandan, ND	58554 663-8727