

Northwest

Micro Mineral
Study Group



B.M.

MICRO PROBE

SPRING 1977

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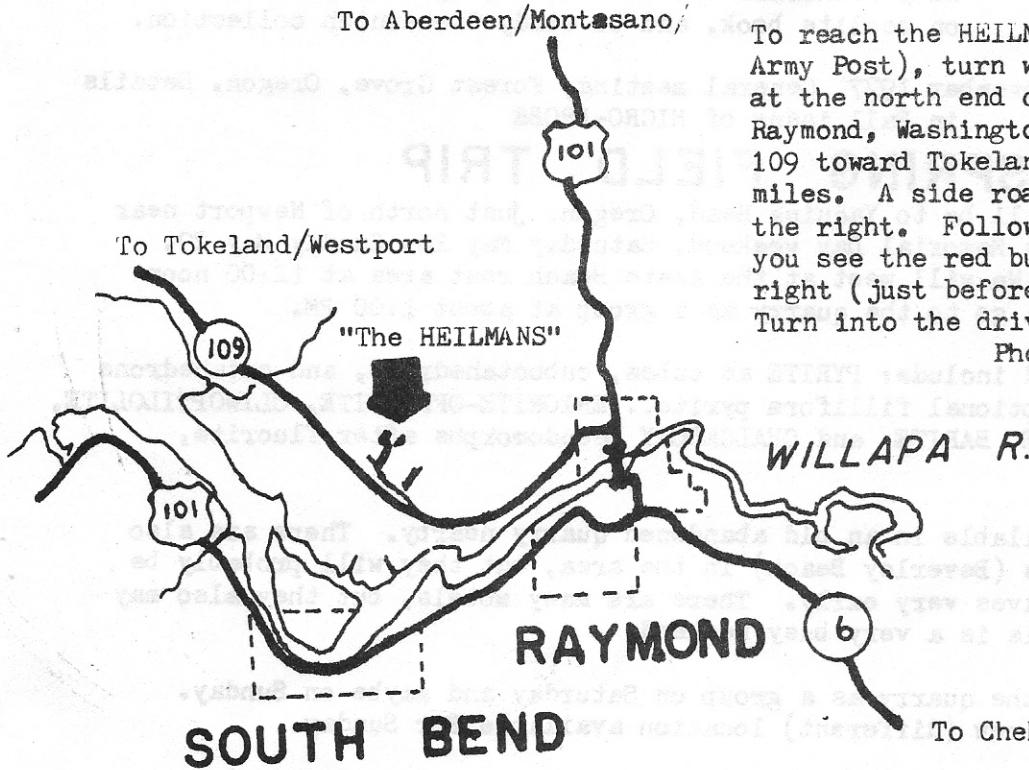
NOTICE OF SPRING MEETING

DATE: 14 - 15 May 1977

PLACE: "The HEILMANS", Raymond, Washington

PROGRAM: General meeting will start as soon as you arrive, either Friday night or Saturday morning. Most of the day will consist of talking, trading, and study. A short business meeting will be conducted in the afternoon as well as a talk by Bob and Russ Boggs on COLLECTING IN THE GOLDEN HORN BATHOLITH, NORTHERN CASCADES, WASHINGTON. This area contains a wide number of unusual minerals as well as the very rare new mineral ZEKTZERITE.

Continued on page 2



To reach the HEILMANS (former Bayles Army Post), turn west off highway US 101 at the north end of the bridge in Raymond, Washington. Follow highway 109 toward Tokeland/Westport about 2 miles. A side road angles off to the right. Follow this road until you see the red buildings on your right (just before you come to a hill). Turn into the driveway

Phone 942-5231

General activity of this meeting will be to organize information on zeolites of the Northwest. President Rudy Tschernich is writing a book about those ZEOLITES OF THE PACIFIC NORTHWEST. He will have lists present at the meeting which he would like each member to review and make additions or corrections as necessary. To make this book as complete as possible member cooperation is essential. If you have specimens from Northwest locations bring either the specimens themselves or pertinent dimensions and other information. All zeolites from EVERY location in Washington, Oregon, Idaho, or British Columbia are of interest for this project.

Bring a sack lunch and something for a pot luck dinner which will take place about 6 PM.

On 15 May, NWMMSG members may continue their activities from the previous day. At the same time and at the same place, FRIENDS OF MINERALOGY will have a business meeting to finalize plans for the 3rd MINERAL SYMPOSIUM. Since most NWMMSG members are also FM members combining the two meetings will make it easier for members to attend both meetings without conflict. All Study Group and Friends of Mineralogy members are invited to attend both meetings. Suggestions and help are needed to make the 3rd Mineral Symposium a success.

Camping space is available at the meeting location, or tourist facilities are also available at nearby Raymond, Washington.

FUTURE MEETING DATES:

28 - 30 May 1977 Micro Study Group field trip to Yaquina Head, Agate Beach, Oregon (See details in article in this issue)

16 - 17 July 1977 Special meeting at Snohomish, Washington at Rudy Tschernich home. Slide programs, potluck, work on zeolite book, and to study Tschernich collection.

12 - 13 November 1977 General meeting, Forest Grove, Oregon. Details in Fall issue of MICRO-PROBE

SPRING FIELD TRIP

Spring Field Trip will be to Yaquina Head, Oregon, just north of Newport near Agate Beach. On the Memorial Day weekend, Saturday May 28, Sunday May 29, and Monday May 30. We will meet at the Agate Beach rest area at 12:00 noon on Saturday and will go to the quarry as a group at about 1:00 PM.

Minerals to be found include: PYRITE as cubes, cuboctahedrons, and octahedrons as well as the exceptional filliform pyrite...ERIONITE-OFFRETITE, CLINOPTILOLITE, DACHIARDITE, CALCITE, BARITE, and CHALCEDONY pseudomorphs after fluorite, wirtzite?

Camping will be available in an old abandoned quarry nearby. There are also several State parks (Beverly Beach) in the area, but they will probably be full unless one arrives very early. There are many motels, but they also may be full early as this is a very busy weekend.

We will collect at the quarry as a group on Saturday and maybe on Sunday. There may also be a new (different) location available for Sunday.

Russell Boggs, Field Trip Chairman

November 6, 1976 at Power and Light Building, Forest Grove, Oregon

The meeting was called to order by president Gordon Gilbertson.

The morning was enjoyed viewing and trading specimens. A potluck lunch was held. In the afternoon Rudy Tschernich presented slides and an update on zeolites and Norman Steele showed stereo slides of specimens.

Election of officers was held; Rudy Tschernich was elected president, Naomi Cox secretary, and Russ Boggs field trip chairman.

The spring meeting will be held May 14 and 15 at the home of Stan and Edith Heilman. A summer meeting is planned for July 16 and 17 at the home of Rudy Tschernich. The 1977 fall meeting will be held at the Forest Grove Power and Light Building on November 5th and 6th. Field trip information will be published in the MicroProbe.

There was discussion relative to pictures in conjunction with the MicroProbe. The pictures will be distributed loose with the legend printed in the MicroProbe.

Correspondence was read. The "hat" was passed for flowers to be sent to Mary Hilsdon who was not able to attend due to hospitalization.

A delicious dinner was catered. Then John Cowles presented the evening program, colored slides showing the site and artifacts from his work at Cougar mountain Cave. He also showed colored slides of wildlife.

More workshop was held on Sunday morning.

Sharleen, Harvey, Secretary

IN MEMORY OF DOROTHY ALICE WILSON

Alice, as we knew her was born one of four children, in Okanagan County Washington and passed away the 8th of June 1976 at 70 years of age.

During her lifetime she taught school in Oregon and Washington for 19 years and worked for the U.S. Government 6 years. She always held a broad interest in the earth sciences. Alice was a member of the Northwest Micro-Mineral Study Group from its beginning. She also held memberships in the Geological Society of the Oregon Country and the Oregon Agate and Mineral Society. Other affiliations were with Masonic Orders and the Society of Mayflower Descendants (descendant of William Brewster).

Alice is survived by her husband of 34 years, Ford, a sister in Prineville, Oregon and a sister in Eugene, Oregon. Our deepest sympathy is extended to her family. She will truly be missed.

1976-77 MEMBERSHIP LIST ...NORTHWEST MICRO-MINERAL STUDY GROUP

BRAUN, Vernon and Zona 9004 Rosewood Drive, Sacramento, CA 95826
BOGGS, Robert, Russell, John 10434 22nd Ave SW, Seattle, WA 98146
COWLES, John P.O. Box 774, Rainier, OR 97048
COX, Larry and Naomi 2731 Sunset Dr, Forest Grove, OR 97116
DEARLE, Al and Adeline Rt 1, Box 1040, Monroe, WA 98272
DUNN, Harold Mowhawk Star Route 5, Springfield, OR 97477
GILBERTSON, Gordon and Minnie, 4403 NE 26th Ave, Portland, OR 97211
GROBEN, Mike Route 1, Box 16, Coos Bay, OR 97420
HAGGARD, Russell and Alice 6525 196th SW, Lynwood, WA 98036
HANDLEY, Arlene Pacific Plaza Sp 1, 6202 Hwy 99, Vancouver, WA 98665
HARVEY, William and Sharleen Route 4, Box 2048, Hillsboro, OR 97123
HEILMAN, Stan and Edith Route 2, Box 306, Raymond, WA 98577
HILLSDON, Bob and Mary 941 Kirkmond Crescent, Richmond Park, Richmond,
B.C., Canada, V7E 1M7
HUBBARD, Dean 11925 Seattle Hill Rd, Snohomish, WA 98290
HUBBARD, John and Gwen P.O. Box 403, LaPine, OR 97739
KENAGA, Russell F Jr, 10777 SE Ridgeway, Portland, OR 97266
KENDALL, Don and Lee P.O. Box 5, Glenwood, OR 97120
KEEN, Al and Ruth 4138 SW 4th Ave, Portland, OR 97201
KENNEDY, Claire and Mary 2632 SE Grant, Portland, OR 97214
KENNEDY, William and Esther 6124 NE 28th Ave, Portland, OR 97211
LAWSON, Paul F 7509 Caroline Lane, Vancouver, WA 98664
LOCKETT, Leslie and Ida 501 N 14th Ave, Cornelius, OR 97113
MCGANTY, Caroline Route 2, Box 95, Yamhill, OR 97148
MILLER, Valerie 4108 SE Risley, Portland, OR 97222
MURPHY, Philip and Buelah 2308 SE 130th Ave, Portland, OR 97233
MILHELICIC, John F 700 NE 101st, No. 15, Portland, OR 97220
O'DONNELL, Richard D 2820 C Garden Court, Steilacoom, WA 98388
RICE, Richard and Helen Route 1, Box 740, Hillsboro, OR 97123
RIECHEL, Lee 10705 SE 255th Place, Kent, WA 98031
SCHNEIDER, Ray 5515 NE Clackamas, Portland, OR 97213
SHOKAL, George and Kay P.O. Box 723, San Carlos, CA 94070
SMITH, Robert 1521 2nd Ave W, Seattle, WA 98119
STEELE, Norman W Jr 607 N 62nd, Seattle, WA 98103
TSCHERNICH, Rudy 526 Ave A, Snohomish, WA 98290
WILLIAMS, George and LaVerne 2320 Pacific Ave, Forest Grove, OR 97116
WILSON, Ford E P.O. Box 5, Pasco, WA 99301

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MEETING NOTICE July 16 - 17, 1977

This special meeting will give the Micromineral Study Group an opportunity to study the Tschernich zeolite collection, see slides on locations in the Northwest and continue to add information to the zeolite book. This meeting will be different from our general meeting since there is not enough room for everyone to set up a microscope and have trading display material. Several microscopes will be set up and we will share use of these. However, if you plan to really study some of the micros, then bring you microscope.

During June and part of July Rudy will be on a trip to N Ireland and Scotland. He is scheduled to arrive home only one week before this meeting, therefore we can expect stories to tell about that trip but probably not slides and new specimens.

SPECIAL MEETING NOTICE Continued

July 16th there will be a potluck dinner at about 6PM, therefore bring along your goodies just as you do for a general meeting. Two stoves and two refrigerators are available for use. Camping is available at two nearby parks.

Finding the location is easy. The two main roads (Highway 2) in Snohomish are 2nd Street (which goes east and west) and Avenue "D" (which goes north and south). Rudy lives at 526 Avenue "A", this is four blocks north of 2nd Street and three blocks east of Avenue "D", therefore follow either Avenue "A" or 6th Street to find the place

MINERAL PICTURES

All photographs which accompany this issue are copies of the Scanning Electron Microscope (SEM) pictures from William S Wise (Department of Geological Sciences, University of California, Santa Barbara, California). Magnification obtainable with SEM is much greater than our binocular light microscopes and sharp focus is remarkable, however color is not possible because these are pictures of the image on a cathode ray tube (similar to a B & W TV screen). At the November 1976 general meeting the consensus was that members preferred to have the pictures unmounted, but with captions available in Micro-Probe. The reverse side of this sheet is blank so that captions may be attached to the pictures if you wish. Numbers on the pictures i.e. SEM-10 are arbitrary numbers to help identify the negatives, however no other meaning should be attached and they have no relationship to Dr Wise's identification numbers.

SEM-9 COWLESITE with Smectite clay. From Spray Oregon.

SEM-10 FERRIERITE showing diamond form. From Altoona, Washington 240X

SEM-11 STRONTIUM THOMSONITE showing pseudo-hexagonal form. From Yellow Lake, British Columbia, Canada. 80X

SEM-12 THOMSONITE on HEULANDITE from Goble, Oregon.

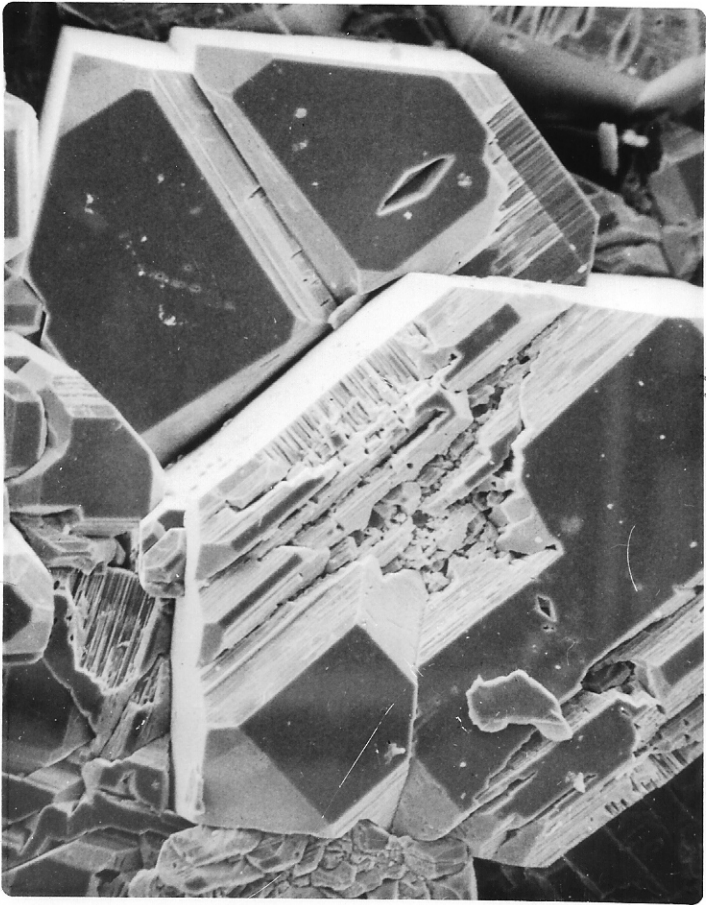
SEM-13 COWLESITE from Superior, Arizona.

SEM-14 SAPONITE (Clay) with HEULANDITE and MORDENITE. Rock Creek, Stevenson, Washington

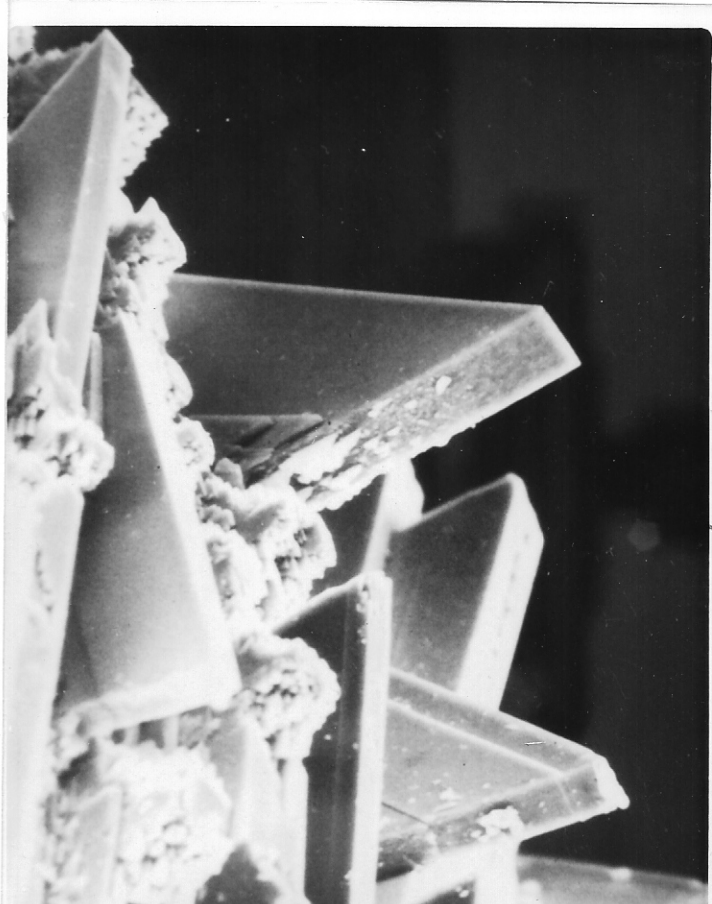
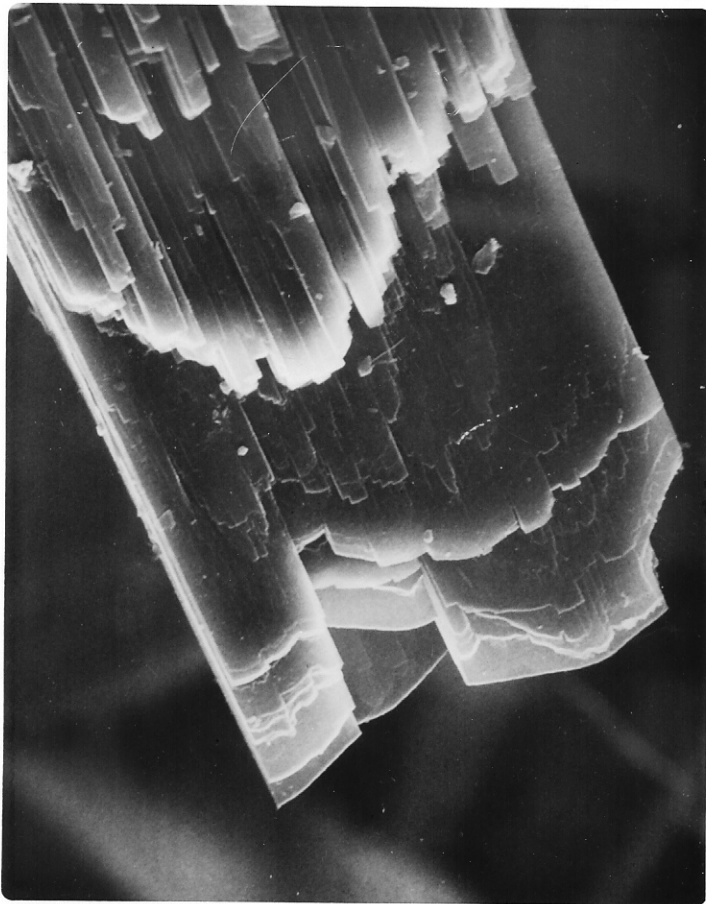
SEM-15 PENTAGONITE twin extending from HEULANDITE. From Owyhee Dam, Oregon. About 2000X

SEM-16 DACHIARDITE from Altoona, Washington (Wahkiahum County). About 720X

NOTE: Picture SEM-1 thru SEM-8 appeared in MICRO-probe FALL 1976.



9



10

