THE THIN SECTION
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Quietly the boys stole into the large room cluttered with books, ash trays, various rocks, bottles of reagents and a few petrographers. The silence was broken by the occasional clink of magnets and streak plates. Two more students tiptoed in and addressed their fellows in undertones. The look of concern which had been on the faces of all present deepened. The tension mounted - and was finally broken by the words of the Prof, "The specimens for the Mineralogy test are in Room 201".

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Greetings to the alumni from the Geology Club and Geology Department of Idaho State College!
GEOLOGY CLUB NEWS

Perhaps the first thing that should be mentioned is last year's Geology Club field trip. We followed the usual procedure of stopping frequently to observe the formations and drink some of the hot coffee that we were carrying in the thermos jugs. Our destination was Riverton, Wyoming where a recent graduate, Galen Quigley was geologist at a new uranium mine belonging to Vitro Uranium, a subsidiary of Vitro Chemical Corporation.

In due course we descended "like the wolf on the fold" upon Galen. The ten of us decided to stay with him that night and our action struck terror into the heart of his landlady.

We pulled out about 7:00 A.M. and headed for "Galen's diggings" out in the middle of the Gas Hills country - the most desolate region outside of Texas. Not only that but it was so cold that after a somewhat cursory glance at the mine we took off for warmer parts.

We spent the next night camped in a park just out of Green River where there were numerous "No Camping Allowed" signs. About 2 A.M. Fred Lindenmayer got so cold he decided to build up the fire and make some coffee but he was hindered by the two inches (he says) of ice on the water bucket.

We departed around 9:00 A.M. after a good breakfast and headed for the "fishing grounds" at Fossil, Wyoming. After some confusion we finally arrived there and spent a few hours "fishing" with pretty fair luck. We got back to Pocatello, tired but happy about five that afternoon.

All in all the trip was a huge success - one of the best things being the fact that we had Ken Tallmadge for a cook and he is a darn good one too!

One of the best programs the Club had during this past year was one in which E.S. Murphy of the Physics Department gave a talk on piezoelectricity and the piezoelectric properties of quartz. We really enjoyed his talk and regret that he is leaving to accept a job with the Sandia Corporation in Albuquerque.

Campus Day proceeded as usual this year - the frenzied activity the night before to get the displays ready, the let-down the next day when not too many people came in to see them, and finally the putting away of all the material which had been set up or out as the case may be.

Well, that about ties up the activities for this year. We're leaving for our field trip next week. This year we are planning to visit the Blackbird Mine at Cobalt, Idaho and John Greene.

More news next year. So long!

Dave Fortsch, president.
Students in the Geology Department have been the delighted recipients of much new and interesting equipment this past year. Additions have been made to the geological library and many new mineral specimens have been obtained. Also the fossil collection has been increased by 125 new specimens.

New maps and aerial photographs have been acquired. A set of one hundred maps, a new series released by the U.S. Geological Survey, having both contours and relief shading, shows typical physiographic features of the United States. Oil and gas maps of the western United States are being brought up to date and will be on file here. We have aerial photographs covering a large area of southeastern Idaho and these will be added to from time to time until we will eventually have a complete coverage of this region.

A gift from Dr. Raymond Sidwell of the Texas Technological College consists of drill cuttings from two counties in Texas and two counties in New Mexico. They will be of tremendous help to the Field Methods course in learning how petroleum geologists log well cuttings. The cuttings are from a 5,500 foot well and a 6,600 foot well in New Mexico and a 10,000 foot well and a 7,300 foot well in Texas.

The paleontology class now has access to a new binocular microscope and two polarizing microscopes have been acquired for the mineralogy class.

Other acquisitions include a "Pocket Transit", a small ten-power transit with a tripod, a roller and roller pot for microscopic paleontology, contributed by Abe Lillibridge of the Engineering Department, and an ultra violet long wave light installed in a cabinet built by Professor Isotoff.

These many new pieces of equipment and material lend a 3-D aspect to the Geology Department; they will unquestionably deepen understanding, broaden practical experience, and heighten interest in these already fascinating studies.*

Hal Hurst

* Mr. Hurst is a sophomore and still has hope.
We want to express our appreciation for the mineral and fossil specimens that have been given to the Department. Here is our gift list.

Howard Brooks  
*jasolite from Goodsprings, Nevada.

Jim Colson and Ken Tallmadge  
autunite crystals from Daybreak Mine.

Russ Hayden  
jasperized wood (Araucaria) Colorado Plateau.

Jimmy McCollum  
&tz xls and Miss. fossils from Arkansas.

Bill Peters  
when Bill left he bequeathed us his very nice collection of minerals.

Galen Quigley  
Witherite from the Bighorn Mts.

Dale Terry  
Adamite crystals from Durango, Mexico.

I sincerely hope I have not failed to acknowledge a gift. If I have, please let me know and I will include it in the next Thin Section. (Ed.)

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According to a recent survey made by Paul Hannah, Geology Club member, these are the fields of Geology chosen by other club members.

**Seniors**
- Dave Fortsch
- Fred Lindenmayer
- Glen Phillips  
  Exploration Work
  Wants to go to Africa
  Mining

**Sophomores**
- Hal Hurst
- Jack Finney
- Robert Gile  
  Economic Geology
  Economic Geology
  undecided

**Freshmen**
- Maurice Cole
- Paul Hannah
- Thomas Markland
- Monty Mathie
- Ray Shumway
- Will Slater  
  Mineralogy
  Oil Geology
  Mining
  undecided
  Oil Geology
  undecided

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ALUMNI NEWS

Howard F. Albee ('49) Box 360, U.S. Geological Survey, Grand Junction

U.S.G.S. Field Examiner for DMFA. Married; three children, 11, 9, and 3 years of age. Special interests are hunting and fishing.

"The uranium business has settled down into something less than what it was and the Survey will soon transfer many to other projects. I expect to remain here for about another year."

James Brassfield ('52) 91% Warm Springs Avenue, Boise, Idaho.

Howard Brooks ('53) 302 Victory Height, Reno, Nevada.

Student at Mackay School of Mines, University of Nevada. Will receive Master's Degree in June. Married to the former Colleen Stewart; two children, Cindy 2½, Jimmy, two months.

"Have accepted a position with the Oregon State Department of Geology and Mineral Industry. Will move to Baker, Oregon and begin work there June 15th."

James B. Colson ('50) Sunshine Mining Co., Box 1080, Kellogg, Idaho.

Chief Geologist, Sunshine Mining Company. Married, wife, Mary-Lu; two children, Stan ½ years, Jan, eight months. Interested in mining geology as applied to the discovery and extraction of profitable minerals.

"I am especially interested in structure - its significance to mineralization - localization of ore - and the immediate and necessary application of all geologic principles to the discovery and evaluation of any indication of mineralization that may or may not be of commercial importance. * * * Geology has become, since the advent of the atomic era, one of the most important phases of mining. Heretofore the geologist was looked down on as an oddity that sat in the office and concocted strange theories about ore genesis. That idea has been changed, much to the chagrin of some old line engineers. It has been proved time and time again that the geologist has become an indispensable part of all extractive and explorative operations. * * * The associations, benefits, satisfactions, environments, and problems make the profession one of the best."

David Justin Gauger ('49)
Ken Cox ('55) General Delivery, Ely, Nevada.

Chemist, Kennecott Copper Corporation, McGill, Nevada.
Married; one daughter, eight months old (red-headed like her mother). Interests are prospecting and assaying special prospects, hunting and fishing.

"Lots of interesting country around here. Naturally, Kennecott is mainly interested in copper, but they also produce some molybdenum, gold, and silver. * * * There are several old mining ghost towns near here, the main one being Hamilton, Nevada, where they took over three million dollars worth of silver from one little pocket back near the turn of the century."


PFC Topographical Surveyor, Single. Special interests: Getting out of the army.

"We do very accurate triangulation involving the use of theodolites (T-2) rather than transits. * * * I just got back from the Gulf of Mexico where I've been working on an experimental deal involving the measurement of distances over water with the use of electronic equipment. We worked from various oil well platforms in the Gulf. Our job was to locate the antennas through Polaris shots and a small triangulation net."

John Greene ('55) Calera Mining Company, Cobalt, Idaho.

Max P. Hales ('52) 365 Holbrook Drive, Idaho Falls, Idaho.

Production Supervisor, Phillips Petroleum Company (AEC). Married; three children, Patricia 9 years, Jeffry 4 years, Jennifer 1 year. Interested in week-end prospecting along with hunting and fishing. Going to take up golf this summer.

"Would like to hear from the old gang."

Maurice Hansen ('50) 132 Gunnison, Grand Junction, Colorado.

Examining Mining Engineer AEC ("I am the guy who says yes or no to applications that come in for certification for the Domestic Uranium Program Circular 6, bonus.") Married; two children. Special interests: Acquiring a powder-blue Cadillac and some property with 1,000 dollar-a-ton ore. "I'm easy to please."

"It's very interesting work requiring in addition to engineering practice and geology, a good working knowledge of Federal and State Mining law, practices carried out on Indian Reservations, State and Federal mineral leasing laws, and all those laws that have been passed recently providing for location of uranium claims on lands not formerly open to mineral entry."
Donald M. Hausen ('49) 2808-3/4 Road, Route 1, Grand Junction, Colo.

Russ Hayden ('52) Star Route Box 24, Grants, New Mexico.

Project Engineer, Grants, New Mexico, Westvaco Mineral Development F.M.C. Marital status: One wife, two kids, one dog, and an empty parakeet cage will sell cheap - cage, that is. Special interests: 1. Running water, still water, water! 2. Research on why uranium is so hard to find.

"One thing about this business - if you stop long enough in one place someone will come by you know. We have been honored by quite a few of the old gang, Bill and Lane Peters, the Jim Brassfields, Dale Terry, Maurice Hansen, the Wayne Hiatts and we're looking forward to seeing many more. Should anyone chance to come this way be sure to look us up. We'll drag up a sand dune and have a sand ridge while we chat of those fabulous deposits of 100% clear, cool water in Idaho."

Wayne Hiatt ('54) Star Route Box 24, Grants, New Mexico

Rodney W. Hruza ('53)

Joe Jemmett ('54) 545 South Grant, Pocatello, Idaho.

Geologist for Simplot. Married; three kids. Special interests: sedimentation, stratigraphy, and structure.

"I've been transferred to the office at Boise. My family will move there this fall."

George Katseanes ('50) 185 Last Street, Blackfoot, Idaho.

Francis D. MacKenzie ('50) 1633 North Harley Avenue, Tucson 12, Ariz.

Dennis Myers ('54) 508 South Main St. Ap't. D, Kellogg, Idaho.

Galen Quigley ('55) Vitro Minerals Corp., First & Munroe, Riverton, Wyo.

James Scardino ('52)

Kenneth Tallmadge ('55) Sunshine Star Route, Kellogg, Idaho.

Dale Terry ('51) 750 East 2nd South, Apt. 10, Salt Lake City, Utah.

Ronald C. Walton ('52) P.O. Box 1208, Big Spring, Texas.

Office computer for Western Geophysical Company of America. Married; one daughter 2 years old.

"We use the seismic method of geophysical prospecting for oil. I have found the geophysical field very interesting, especially so for those with a geological background. I have been located in the Permian Basin of Texas for the past 2 years and the geology of the region keeps my week ends pretty well occupied. In addition to this, my nights are spent gazing into the heavens through my 6-inch reflecting telescope. I constructed the telescope myself with purchased parts."

Bert Woodland ('53) 424 East 1st North, Provo, Utah.

Graduate student, Brigham Young University, Provo, Utah. Married; two children, Cheryle and Roland. Special interests: paleontology and oil geology.

"The prospectus for my Master's thesis is an attempted zonation of Mississippian strata in central Utah using endothyroid foraminifera. Hope to get my degree in September of this year."

Charles A. Lee * 837 Alma Real Drive, Pacific Palisades, Calif.

Instructor in Geology Santa Monica City College and University of California Extension, Los Angeles. Married; three children, Carolyn, Douglas, and Betty.

"I still like to fish, at least for the big ones. On our last spring vacation (1969), I caught a big one in the Gulf of California off San Filipi, 125 miles south of Mexicali, Baja California. It weighed 180 pounds, the largest caught the last two years. Two years ago I caught two, each weighing about 80 pounds. I expect to work in exploration this summer, but too soon to say with whom. I have been teaching a course in U.C. Extension the last year. I rather enjoy this work because of the wide range of people with different background and training, but with a common interest in geology and mineralogy and related subjects."

* Mr. Lee was former head of the ISC Geology Department.
Bill Peters 3200 5th Street, Boulder, Colorado.

"I'm still on leave from Westvaco until September 1st. At that time all of my PhD work here will be completed. The degree should be officially awarded either in February or next June."

* Bill formerly taught here at ISC and is now working on his doctorate at the University of Colorado.

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In Maurice's letter he mentioned something which you may recall. In his words --

"Incidentally, that sure was a good picture of the Prof. 'Mac' Mackenzie couldn't have drawn a better one - remember his caricature on the blackboard?"