

THE GEO-JOURNAL

A geo-newsletter produced by students
and staff of the Grand Valley State
Colleges Geology Department, November
23, 1977

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Dear Geoalumnus,

Grand Valley's latest advertising slogan, "GVSC Where Good Things Are Happening", is descriptive of the Geology Department. We continue to change, usually for the better, which is a measure of our vitality. At the same time, we are establishing traditions such as the annual Christmas Reunion and newsletter! As the number of alumni steadily grows, the newsletter helps us all keep in touch, although it is not a substitute for the personal visits to the department you make.

The department functioned well last year under the guidance of Jack Henderson, and we said "good bye" to a large graduating class of old hands this past spring. Their initial news as recent alumni is encouraging as they have gone on to jobs or graduate school. As you would expect, a new group of active majors has formed to replenish our ranks and to assume community roles as hard working students (with an exception or two), departmental assistants, and Geo Club members. The Geo Club has started out very actively including taking on a greater role in producing this newsletter.

Both faculty and students have continued to compile geologic experience in the field and laboratory. After reading the faculty and student news sections, I think you will agree that we are assuming an international flavor.

In spite of budget limitations, we continue to make good progress in the area of equipment acquisition. Our teaching TV-microscope is nearly fully equipped and has been operational since last year. Imagine watching mineralogy and petrography in living color! But that is only half of the excitement; Ed Tremba pulled off a small miracle this past summer by obtaining an electron microprobe unit for the department. It is used, there are a few pieces missing, it may not fit through the door of the x-ray lab, but our goal is for it to be operational within a year. The microprobe will be a valuable supplement to our analytical capability.

Not all of our news is good this year. Jim Crandall, senior geology major, was seriously injured in a vehicular accident at summer field camp. He remains comatose in a Grand Rapids hospital but is showing signs of improvement. We are all hoping for the best and extend our encouragement to Jim's family.

This year has also witnessed what we all knew would eventually happen, that is, our faculty is changing. It is with sadness that I report Jack Henderson's resignation this past summer. Jack has been an excellent teacher, valued colleague, and community contributor to the department and GVSC. We missed him the first day of fall quarter and have desired his input and expertise on several occasions. Of course, we wish Jack the very best in his new position with the Canadian Geological Survey and know that he will keep in touch. In fact, you will enjoy reading Jack's feature article in this newsletter!

So we begin another year in anticipation. We have several tasks ahead of us: (1) to search for a new faculty member, (2) to learn the technology of new equipment, and (3) to define the goals and directions of the department for the near future. Our success in the past was measured directly by the success of our students and alumni. The measure will remain the same in the future. We will continue to rely on your input and help in the days to come.

As they say in the south, "Ya all come back now, ya hear!" See you at the Christmas Reunion.

Best Regards,

William J. Neal
Chairman

Dear Friends:

When Ed asked me to write a few lines for the newsletter, I was happy to agree, because during the last few months I have come to appreciate some of the significance of my seven years at Grand Valley. When I arrived on campus in 1970, it was with the same feelings of insecurity and apprehension that you had as freshmen. I asked myself, What do I know that is worth teaching for ten weeks at the rate of fifty minutes per day? The memory of all the boring, waste-of-time lectures that I had been subjected to as a student was still fresh in my mind. Fortunately, having colleagues like Johnny and Dick (and later Bill, Norm and Ed) to share teaching methods with me started and constantly kept me on my toes to improve the quality of my lectures. Teaching was our business, and we held a common goal of excellence that we pursued with uncommon selflessness. It was a pleasure working with them to build the department that we are so proud of.

In addition to developing a modern, rigorous, undergraduate curriculum at Grand Valley, we wanted to be sensitive to the special needs and desires of individual students. (Believe me that wasn't easy in the days when we felt our survival as an institution depended solely on maintaining an adequate student/faculty ratio!) Quite early we realized that we couldn't meet our goals without actively involving students in the teaching process. First we asked you to help us run the 100-level labs. Your enthusiasm and success in one-to-one teaching situations was quickly extended to all of our courses. Even outside of class - on field trips, evenings and weekends - you continued to share your enthusiasm and understanding with other students. Almost by chance, the spirit of cooperation and friendly competition that characterizes our department became established.

The job of building the department isn't finished (it never will be), but I think that our initial success has given us the confidence to pursue our original goals more vigorously. In order to keep growing, the department needs constant feedback from you (both students and alumni). I believe that in the long run all that really matters is the attention of the faculty to students and the commitment of the students to learning. In such an environment everything is possible.

I anticipate keeping in close contact with my friends at Grand Valley. The department represents a constant source of first-rate field assistants for me as well as a clearing house for news about all of you. At the risk of being overwhelmed with correspondence, how about dropping me a line once in a while (c/o 18 Birch Avenue, Ottawa, Ontario, K1K 3G6).

With Best Wishes,

Jack Henderson

On behalf of

the GVSC Geology Department and Alumni,

we wholeheartedly extend our congratulations to;

Johnny B. Lucke

&

Dorthea Gudmore Lucke

in honor of their marriage on July 13, 1977

2ND ANNUAL GEOLOGY CHRISTMAS PARTY

Many of you have expressed the opinion that our first annual party was a great idea. It was attended by all the faculty and staff, save Bill and Mary Neal who don't believe in White Christmases (or Santa Claus for that matter) and preferred to stay in more southerly climes (on sabbatical). Seen at one time or another, backlit by the soft candle light were Leslie Wurn and friend, Doug Hull looking for a friend (female) and Fran Sims always with a friend. Also John Vrona singing his heart out with Sandy at the piano. Sandy says if you want music for something other than "Blues in the Night", you'll have to bring your own. I know Diane Kelly was there but I'm not sure about Sheryl Hoving - course I'm never sure about Sheryl. Julie Rutherford and a friend were seen on the premises eating egg rolls. Rhoda Burgess and Leslie Degnon spent the evening making up a skit. Jim (or was it Bob?) Schulz came by for clean up. JoAnn Ward dropped in to see if she could collect data for her master's thesis. Marlene Leistico brought her husband Don to show him how silly academic types can be, when they try to act like normal people. Barb Scribner came around to check us out, and Guy Waggoner dropped by to see if he really went to school with these peasants, most of whom still think Columbia is the gem of the oceans. Larry Fegel thought it was a Biology Department party. Tim Baker brought Mary Jean - he had no choice - she's also known as mean Mary Jean. Jim Dexter and wife, Mary Ellen, were so impressed with the whole affair they even came back for this fall's picnic. Dave Johnson thought it was a party for Jill Broughton. Mike Kaminski must have thought it was another night cause he didn't show. Don Reck and wife Beverly seemed to enjoy it because Muskegon has so little to offer. Roger and Linda Antonides came in from across the highway because it was one of those rare off nights in Allendale. Eric Christrup left his cards home and couldn't be consoled by his wife Elaine all evening, especially when he found out Tom Bee brought his penny jar. Patty Videtich was ecstatic with the whole affair - she just couldn't understand why the one punch bowl tasted kinda funny. Art and Caryl Brintnall came to survey the scene. Dan and Mary VerWoert couldn't allow that to go unchallenged, however, so expressed their will by working something else out. (Puns intended) Someone said Dick Williams was there, and that John Pedden came in uniform in hopes that he could pass it off for one of his weekly visits to the USO. Julie and Paul Kampa managed to make their way across the road, although I'm not sure they made it back. We were very happy to welcome back to Grand Valley our first graduate to get the Ph.D. in Geology - Jim Walters and wife Bonnie who came in from U. of Northern Iowa where Jim is on the faculty. Others who freely dipped in the punch bowl were Wendy Bierlein, Dave Zeider, Larry Austin, and Craig Shoemaker. Oh, by the way, contrary to rumor, Loyal Sumtken was at the party even though he didn't receive an invitation. - Whoever knows where Loyal is this year - will you please tell him about it?

I have probably put some of you there who weren't and forgotten others who were but that's the chance you take when you undertake such a ridiculous task - I started out just listing the names but got carried away - I know, I just wasn't carried away far enough.!

Some things really did happen - an abductor (would-be rapist?) was loose somewhere on campus, also a candle on the table fell over before the first guest arrived and started the tablecloth on fire with flames 5 feet in the air - thank heavens for the high ceiling. We'll show you the burn mark in the rug when you come back this year. WHICH IS WHAT THIS IS ALL ABOUT!

Our 2nd annual party will be at 8:00 p.m., Thursday, December 22, 1977 in the Campus Center Lounge just like last year. It's west of the pond across from Zumberge Library.

We need your reservations by December 15. See the back page.

EDITOR'S NOTE

Mechanically, this year's newsletter was the easiest for me to write; emotionally, the tragedies within the department made parts of it very difficult to write. This year I had the benefit of two superb co-editors, Pat Bartnik (potential geology major) and Buck Sharpton (senior, geology major). Thanks to them and Bette's undying adrenalin, we made it.

We, on this end, would appreciate your acknowledgement and approval of this newsletter by your taking the time and effort to respond to our news update requests. Less than one-half of the alumni responded to this year's news appeal.

Respectfully yours,

Ed Tremba

STUDENT NEWS

GEOLOGY CLUB REPORT

Dear Alumni, Faculty and Friends:

As president of the Geology Club, I would like to extend greetings to all on behalf of the department. This year's Club seeks greater involvement in departmental, schoolwide and community related activities and events. Already we have participated in "Autumn Fanfare", here at Grand Valley, presenting a display of Michigan rocks, minerals and fossils, accompanied by a slide presentation depicting Michigan's glacial history. On November 16, the club sponsored a talk by Dr. Orrin Pilkey, Duke University, on the Environmental Geology of Shorelines. Also, the fall geology picnic was very successful; Sandy Lefebvre should be commended for coordinating it and taking care of most of the logistics. Thanks Sandy. Next term the club will sponsor a Grand Valley Night at the Alibi Bar in Grand Rapids as a fund raising venture. Presently several club members are working on the idea of initiating a rotating lecture series between Grand Valley and some of the neighboring colleges and universities on an exchange basis. Although the club is small, ideas are abundant. All we need is time to carry them out.

This year's club officers consist of Tim Versepunt and Dave Bedsum (Student Representatives), Diane Kelly (Secretary/Treasurer), and myself, Chris Waythomas (President). A vice president is yet to be elected. Ed Tremba is the faculty advisor.

I hope that this year's club will provide unity and organization among student geologists and also provide a vehicle by which the geological enterprises of those involved may be furthered.

Chris Waythomas

TRI-STATE TALES

On the scene and in the groove, holy cow! The Tri-state field trip this year was something else!! Up bright and early and into the vans by noon. After a quick stop at the dorms and a few other quick stops, we hit the road to Milwaukee with a few bags of apples for nourishment.

Several hours and one LONG joke later, we arrived at the University of Wisconsin, Milwaukee. Just in time for a pouring rain shower. We checked in and got our information, meanwhile it was still pouring outside. So, like the true stout-hearted geologists that we are, plans were changed from camping out to sleeping in the Geomorph Lab.

The next day, Saturday, we got up bright and early and prepared to partake of the geology in the Milwaukee area. There were two trips to choose from: one on the Pleistocene and one on the Silurian and Devonian (a great trip for fossil collectors)! The Paleozoic trip went to quarries, which looked remarkably similar! As a matter of fact, there was speculation as to whether or not the University of Wisconsin was pulling a fast one and just taking different roads to the same quarry! The best fossils of the day were found by Al and Jeff, giant Cephalopods!! Incredible and beautiful. Unfortunately for the Paleozoic people, the fossils were found on the Pleistocene trip. Those on the glacial trip were quite pleased with all the landforms they saw, including a Paleozoic-Pleistocene angular unconformity and many glacial depositional landforms, some of the best in North America.

As Saturday evening rolled along, the tired wet group staggered back to the lab at U of W and proceeded to take showers in the sinks. Then out to a reception and a banquet type dinner with speakers and all. The dinner was great and lots of fun (except that I kept getting accosted by a Drunken Geophysicist)! Towards the end of the banquet, in answer to crys of "Boy, am I thirsty!" we left in order to definitively establish what it is that makes Milwaukee famous;

Up bright and early Sunday morning, and out on the road to observe environmental problems and Geophysics. The morning was cold and one of the bull horns definitely had a malfunction. As the day proceeded we got colder, and the talks seemed to take longer. But, when we arrived at the final stop for the Geophysics Exhibit, BAM!! the sun came out, it warmed up, and a splendid time was had by all (except a hung-over Geophysicist, who kept blowing fuses).

The worst part of the whole trip was the constant search for burritos, with no luck. So, on the way home Sunday, tired, starved, and in search of re-fried beans, we finally submitted (after a two hour search through Chicago) and gave in to a pizza before returning home.

The moral: Beer and not Beans,
and field trips on Pleistocenes;
Are really what made Milwaukee famous!

Mel Famey

TRENDS

Contrary to the general reduction in student population this year at Grand Valley, the Geology Department began the year with approximately 60 majors, adding many freshmen and transfer students. The male to female ratio has decreased further to less than 3 to 1, signifying a new development of interest by women in geology, and its about time! The average age of declared geology majors is 24, about 4 years less than the school-wide average of 28 which was 21, 10 years ago. Also, Grand Valley is losing its image as a local college. Hometowns of students in the Geology Department although located largely in Western Michigan, also stem from (1) other parts of the state, (2) other states such as Wisconsin, New Jersey, Ohio, Georgia, and one pleasant addition to the department is originally from Saudi Arabia.

This year the department will hopefully graduate 9 seniors. According to projected figures, 50% of those graduating will attend graduate school, while the other half will be competent additions to the job market in geology, both locally and out-of-state.

By the time he or she graduates, the average student will have: (1) traveled 3000 miles on field trips and another 3000 miles on summer field camp, and (2) spent around \$2000 for travel and lodging in order that he might receive first rate, first hand information and practical field experience in a variety of environments.

The fact is our average geology student has ample opportunity to see and study regional geology of every type and location in the U.S. and abroad. This is emphasized through the summer field camp which is required for graduation in geology, and further enhanced by faculty members taking student research assistants with them to their areas of summer research.

Craig Schriber, Ron Ten Harnsel, Jim Dexter, and Steve Rader attended field camp in the British Isles this summer studying classic structure, stratigraphy, and geomorphology that set the wheels in motion for such great geological minds as Hutton, Sedgwick, and Murcheson. Jim and Steve brought back many fond memories of their 8 week camp. Craig brought back many bad jokes about sleeping on pillow lavas, and Ron brought back his new bride with whom he toured Europe after the camp was over.

Tim Verseput spent 2 months at field camp run by the University of Nevada at Las Vegas held in the Spring Mountains, Nevada, where he excelled and was asked to assist a doctoral candidate from M.I.T. with his mapping project. Be sure to ask Tim to tell you about "Seldom Seen Slim".

Cathy Cline chose to attend field camp at the Marine Lab West Studies, Virgin Islands, where she gained invaluable experience in the geology of reef formation and tectonics of the Lesser Antilles as well as weeks diving in tropical waters with 80' visibility.

Dana Wregglesworth attended the Albion College camp held at Boulder, Colorado where, because of his outstanding performance he was nominated for a summer position next year with the U.S.G.S. Congratulations, Dana.

Chris Waythomas spent his summer as field assistant on a Geological Survey of Canada mapping project with Jack Henderson where he and Jack, along with Dave Bedsum, mapped high rank metamorphic rocks of the Foxe-fold Belt in N.W.T.

Dave Bedsum and Jim Schulz roamed South of the Border on a field camp sponsored by the U. of Miami, Florida, held in Guatemala where they climbed volcanoes, toured jungles, studied regional tectonics, and probably became familiar with Montezuma's Revenge.

Bill Hazard and Ken Wiley were chosen by former student Dick Page to assist him in his Ph.D. research at McMaster University in Ontario. Dick received invaluable help from Bill and Ken in mapping volcanoes in the Minnitakii Lake area.

Bill Neal supervised a National Science Foundation funded cruise aboard the R.V. EASTWARD. Diane Kelly, Tim Verseput, and Dave Bedsum assisted Bill in piston coring of sediments 150 miles off the North Carolina coast.

Diane Kelly also aided JoAnn Ward with her Master's thesis collecting data on "The Effect of Urbanization on Stream Development".

Scott Bowen was chosen by Norm Ten Brink to assist him in his first year of a several year project aimed at studying the patterns of Early Man in the Alaska Range some 20,000 years ago. This project combines many scientific disciplines including Biology, Archaeology, Anthropology, and Geology and assimilates clues to the existence of life habits of prehistoric man, in an area that has since undergone extreme glacial and fluvial geomorphic change - quite a task!

Practical experience also can be gained from landing summer positions with private corporations. These jobs are scarce and therefore highly competitive. As Ron Green knows, however, the effort is worth it because along with the experience, he made enough money this summer to keep himself in beans most of the winter. He worked for Keck Consulting Service out of Lansing where he was concerned with bore samples; observation wells; and tests for hydraulic conductivity, gamma ray, and well location.

Paul Hanrahan worked for Williams and Works Engineering doing soil descriptions and running a drill rig around the state.

Many other students attended summer classes, worked for the Geology Department, several were park rangers while others were employed at jobs they had held the year before. Hiking, exploring, and traveling were integrated in just about everyone's plans this past summer. Geology and outdoor activities go hand in hand.

This year we have several students who were the recipients of scholarships and awards. Five incoming students were nominated for the Geology Scholarship based on academic achievement and high interest in geology. The four freshmen include: Tom Sanger from W. Ottawa High; Pete Versluis from Calvin Christian High; Josef Chase from Tri County High; and Dawn VanderZouwen from Grandville High; Billie Jean Clements, junior transferred from G.R.J.C. Congratulations and welcome to Grand Valley.

Tulip City Rock and Mineral Club's scholarship recipient for 1976-77 was Dave Bedsum. This award is presented to one junior geology major each year for achieving high academic standing.

Several of our students are taking leave of absence this quarter. Rhoda Burgess is working a job in Grand Rapids and taking care of her two kids. She plans to stay out next quarter too, but hopefully she'll be back to brighten up the department by spring.

Sheryl Hoving is away this quarter fulfilling her student teaching requirements at Northeast Jr. High in Grand Rapids, which should increase the interest in earth science there, especially among the male students. Sheryl will be graduating in December. Special note should be taken of the fine job she did on her 499 project, which consisted of re-doing all the Geology 111 labs.

Buck Sharpton
Student News Editor

ALUMNI NEWS

Anderson, Boyd C. - Group Science, Geology Emphasis (1975) 615 Douglas Apt. B-1, Holland, MI 49423

Boyd is in fact, teaching at Maplewood Elementary in Holland (sixth grade science and reading) and is a member of the Science Curriculum Board for the Holland schools plus a member of the Hearing Committee, C.P.R. Training. He took his graduate study in Educational Leadership at Western Michigan University.

Arnold, Mark - Geology (1975)

Mark dropped us a card saying that he and his wife, Linda, have just become the proud parents of 8 lb. 10 oz. Joseph Reid. Hearty congratulations, folks.

Austin, Larry - Geology (1974) 523 Clayton N.W., Grand Rapids, MI 49504

Larry is presently working for Williams and Works, Inc., in Grand Rapids. Are there anymore thoughts on a Master's program, Larry?

Baker, Tim - Geology (1977)

Word has it that Tim is working for Monaco Engineering out of Denver, Colorado. Field trips aren't the same without Tim and his big tent!

Bee, Thomas M. - Geology (1973)

Tom is employed as a lab technician at the Grand Haven Water Treatment Plant and has started his own business (Topaz Mineral Exploration). We'll see you soon, Tom.

Bierlein, Wendy - Geology (1977)

To the best of our knowledge, Wendy is studying at the University of Utah with a full fellowship in geophysics. You can take the girl out of the country but you can't take the country out of the girl - so, she went to Utah.

Bowden, Douglas - Geology (1974)

Doug is presently a graduate student at Michigan Technological University in Houghton, MI. In the summer of 1977, Doug was seeking, as he put it, "the ever elusive, massive sulfide". He hopes to graduate in February 1978. Good luck, Doug.

Brintnall, Arthur - Geology (1970)

Art is currently working for Frein and Newhof and is in the process of becoming a registered land surveyor. Congratulations, Art and Caryl, on the birth of your son, Ryan.

Broughton, Jill - Geology (1975)

Jill can be found with Bechtel as a geologist traveling between Iowa and Michigan, supervising drilling programs, water well surveys, and pump tests. I guess those hydrology courses were worth something, Jill.

Byle, Chris - Geology (1977)

Are we correct in our understanding that you have a teaching assistantship at Duke University, Chris?

Christrup, Eric - Earth Science (1973)

From what we know, Eric is still enjoying his teaching position (7th and 8th grades) in the Coopersville School System. Hope to see you and your wife, Elaine at the Christmas party, Eric.

Dexter, Jim - Geology (1977)

Jim is currently working on his Master's at Western Michigan University with the help of a partial teaching assistantship. Rumor has it that he is really a special agent of the department sent to "spring" Martin and Spruit.

Fegel, Larry - Earth Science/Biology Minor (1973)

Larry, who is planning on attending the Alumni Christmas party with his wife, Mary Kay, is still teaching Earth Science and Biology at City High School in Grand Rapids.

Feyen, Alan - Earth Science (1972)

Alan is currently an electronic technician student at United Electronics Institute and is employed as a salesman at Lafayette Radio.

Hall, Jack - Geology (1977)

Jack is a graduate student at the University of North Carolina where he is writing his thesis on conodonts of the Alpena and Genshaw Formations, Traverse Group, Michigan. Do you think you will run out of water in North Carolina, Jack?

Fultz, Lawrence A. - Geology (1977)

Larry is presently a graduate student at the Michigan Technological University with the aid of a teaching assistantship. We understand he worked this summer for a French company, Uranium Exploration Company. We hope you enjoy those Houghton winters Larry.

Haskins, Roger - Geology (1973)

Roger is presently an exploration geologist for the Department of Mines, Mineral Resources Division. His wife, Susan, is also working for the Mineral Resources Division of the Department of Mines as an inventory geologist. Roger is still searching for that elusive open pit mine.

Hull, Doug - Geology (1977)

Doug is presently a graduate student and has a teaching assistantship at Bowling Green State. He would like to do a mapping thesis near Las Vegas this coming summer. Hang in there Doug! The books come before the girls.

Johnson, David - Geology (1974)

We will be seeing Dave at the Christmas party at which time he can tell us about Alaska and the remodeling of his old farm house. I hope you don't spring a leak, Dave.

Kampa, Paul and Julie - Geology (1977)

Paul is currently working for Hygrade Meat Products and Julie is in her first year as a graduate student at the University of Michigan. What is a small town like, Paul?

Kimball, Greg - Geology (1977)

Greg worked for the University of Tennessee and plans to attend the University of Wisconsin upon completion of his 499 (which should only take three or four more years).

Lach-Packer, Patricia - Group Science/Geology Emphasis (1969)

Pat, who says she would like to visit the Netherlands this coming summer, continues to teach at Caledonia Elementary School in Caledonia, MI. Thanks for the response, Pat.

Markley, Sally - Group Science/Geology (1973)

Sally is employed by the Norwood Public Schools as a fourth grade science teacher in Ohio. Thanks for the note Sally.

Matthews, Michael R., - Geology (1970)

Received M.S. from U. of Tennessee (1975) in environmental engineering. Working presently for T.V.A. in Chattanooga as a program manager for the solid waste management technical assistance program. Mike and his wife, Suzie, are building a house in Chattanooga where Suzie has just received her MS degree.

Olson, Ken - Earth Science (1973)

Ken is currently working (if in fact he did terminate his employment with Capital Financial Services) for Old Kent Bank as a commercial loan operations supervisor. Maybe Ken and his wife, Meg, can tell us a little more about "the little hot dog" at the Christmas party.

Page, Dick - Geology (1971)

Thanks for providing guidance to two GVSC undergrads this summer Dick. We hope you solve the andesite problem in a hurry.

Pedden, John R. - Geology (1975)

366 54 5136 G.A., 317th Inf., Ft. Benning, GA 31905

John informs us that he plans on returning to school after this term in the U.S. Army where he is an infantry sargent.

Perry, Lyle - Earth Science Minor (1977)

Rumor has it that Lyle has joined the Peace Corp. We're not worried about him though. Anyone who can take Petrology without having had Mineralogy is beyond worry.

Rutherford, Julie - Geology (1977)

When we saw Julie at the Geology Club picnic in October, she told us that she is employed with Williams and Works in Grand Rapids. Will we see you at the Christmas party, Julie?

Schulz, Bob - Geology (1975)

Bob has recently quit his job at Monaco Engineering to start a consultant firm (G & S Consultants) with another independent geologist. Bob writes that his firm will specialize in well site geology. Lots of luck on your new endeavor Bob.

Schulz, Jim - Geology (1977)

Our sources inform us that Jim is presently working for Monaco Engineering. Funny, as soon as Jim arrived at Monaco, Bob left.

Shoemaker, Craig - Geology (1976)

Can you fill us in about your job with the Michigan Department of State Highways and Transportation Craig?

Smith, Greg - Earth Science (1976)

Greg is presently teaching earth science and practical science at South Middle School in Grand Rapids. Field trips (the most recent being to the abandoned Michigan cold storage gypsum mine) are rewarding experiences for Greg's students. Greg himself still ventures by campus occasionally.

Smith, R. C. - Earth Science (1977)

It appears that R.C.'s academic pursuits at six undergraduate colleges (three at Grand Valley) finally paid off. Congratulations!

Thorpe, Doug - Geology (1974)

Doug informed us of his first publication, an article written for the Arizona Bureau of Mines. We hope there are many more. Hurry up and start working on that Ph.D. Doug.

Tondu, Joe - Geology (1973) Getty Oil Company, P.O. Box 6679, Houston, TX 77006

Joe is earning his bread as a geologist for Getty Oil Company. We enjoyed his visit to the department this past summer and shared some of the Tondu excitement and enthusiasm over his discovery of a gas field in southern Texas.

Ver Woert, Dan - Geology (1970)

Dan reports everything just about the same as last year except perhaps older and wiser. He will be participating in the new Grand Valley Alumni Planning Committee.

Videtich, Patty - Geology (1976)

Patty has been telling some great fish stories lately. All that rain in Rhode Island seems to be having its effect. Or is it Brown? Anyway, Patty promises to swim to the Christmas reunion, something about a school.

Vrona, John - Geology (1977)

John has received a teaching assistantship at Southern Illinois University and worked this summer for Chevron, collecting minerals in the Spruce Pine area. (Our television-microscope system is safe now because he's not here to leave it on overnight.)

Waggoner, Guy - Geology (1976) Lamont-Doherty Geological Observatory, Columbia University, Palisades, New York 10964

Guy writes us that he is presently a graduate research assistant working on Sr, Pb, and Nd isotopic geochemistry of igneous rocks from the Caribbean region as part of his Ph.D. dissertation.

Walters, Dr. Jim - Geology (1970)

Dr. Jim is still enjoying his teaching duties in Iowa. He greeted the "troops" in Milwaukee this fall on a windy, cold, wet night during the Tri-State Field trip meeting.

Ward, JoAnn - Geology (1975)

JoAnn is a graduate student with a teaching assistantship at Southern Illinois University in Carbondale. She is writing her thesis on a comparative analysis of the hydraulic geometrics of urbanized and non-urbanized drainage basins in southwest Michigan. Can you get that whole title on a page JoAnn?

LOST IN THE WOODS?

Antonides, Roger - Geology (1972)
Atwell, Bill - Geology (1974)
Bishop, Mark - Earth Science (1974)
Booker, William - Geology (1970)
Bowles, Bud - Earth Science (1972)
Bravender, Lynn - Geology Ex-Officio (1976)
Brown, Leo - Geology (1972)
Corbett, Larry - Earth Science (1973)
Curtis, Lt. Tom - Geology (1969)
Dombrowski, John - Geology (1973)
Dornbos, Del - Earth Science/Biology Minor (1976)
Fink, Ray - Group Science (1971)
Gebben, Dennis - Geology (1969)
Grodecki, Steve - Geology (1975)
Harshfield, James - Geology (1972)
Hunt, Herb - Geology (1969)
Huyser, David - Group Science (1968)
Jordon, Mark - Geology (1977)
Kaminski, Mike - Geology (1974)
Kolenbrander, Larry
Korving, Geri - Earth Science (1973)
Losey, Tim (1968)
Lugthart, Doug - Geology/Anthropology (1969)
Marcus (Haskins), Sue - TJC (1973)
Martin, Jeff - Geology (1975)
Morris, Mike - Geology (1970)
Reck, Don - Geology (1974)
Rogers, Dave - Geology/Math (1968)
Satterfield, Gloria - Group Science (1971)
Sartoris, Doug - Geology (1976)
Sinke, Bob - Earth Science (1973)
Spruit, Jeff - Geology (1975)
Suntken, Loyal - Geology (1976)
VanderLaan, Steve - Group Science (1974)
White, Frank - Geology (1970)
Williams, Dick - Earth Science (1973)
Woerns, Rolf - Geology (1970)
Zeider, Dave - Geology (1977)
Zuidgeest, Bob - Group Science (1975)

FACULTY PERSONAL NOTES

Dick Lefebvre

We have had better years. But life goes on and so does the Geology Department. New students to Grand Valley will know little of our past accomplishments or recent losses of dear friends. And so we begin anew - with the strength of those of us who remain, faculty, staff and students - in a tradition that has been stamped on the logo of this department.

Personally, this past year has gone exceedingly well except for the very obvious losses mentioned on other pages of this newsletter. My excitement for teaching has intensified by being involved in the beginning level courses and in the innovations made possible with our new TV-microscope system. This fall I even ran my first race - race?! Hardly a race when you're passed by little boys, little girls, old men in boots and little old women in sneakers! The event was the 6½ miler of the non traditional, YMCA Grand Valley Marathon held on campus.

I am really excited about my research in the Craters of the Moon (Idaho) project. I gave a talk at the GSA Rocky Mountain Section meeting in Missoula last spring. After giving a talk at a NASA Planetology Conference this fall, I helped lead a group of scientists over and through the area in the air and on the ground.

The prospects for future research on this project are even more exciting. In December, two USGS geologists and I will start compiling geologic information for 1:24000 maps using a Kern PG-2 plotter at the Denver Federal Center. The first product will be a geologic map of the 1:250,000 Idaho Falls sheet which includes the Craters of the Moon volcanic field. Next summer, as part of that project, we will map and collect rock core of lava flows for dating by paleomagnetism dating. A backhoe will be used to collect paleosol samples for C^{14} dates. The possibilities for unraveling a complete or nearly complete eruptive history for this volcanic field are good. It'll give me plenty to do in my spare time over the next few years.

Bill Neal

My professional activities were greatly enhanced by spending the past academic year on sabbatical at Duke University. Working under the support of the NSF's Science and Societal Problems, I examined the coastal hazards of North Carolina's barrier islands. The work involved: (1) an extensive literature review largely outside the area of standard scientific periodicals, (2) examination of historic air photos, (3) mapping, and (4) field checks of developing areas. The latter is a very pleasant winter activity when you know that Michigan is buried beneath snow. The results of this work will be published sometime this spring (details of how to obtain your very own copy will be included in the next newsletter.)

During the summer I returned to determining the petrology of the heavy minerals of the Hatteras Abyssal Plains. As a spinoff of this study and my time at Duke, I am now an associate investigator under an NSF grant to study the sediments of the Balearic Abyssal Plain in the Mediterranean Sea. Again, I will be doing the heavy minerals. I hope to go on one of the sampling cruises next summer. I participated in an eleven-day cruise off North Carolina this past September along with GVSC students Dave Bedsun, Diane Kelly, and Tim Verseput. Tim will be doing a 499 on some of the samples. During the cruise, I completed a small section of revision of oceanographic terms for the new edition of the AGI Glossary. Being back in the harness at GVSC and shuffling papers as chairman has brought such research activities back to my normal snail's pace.

Some personal highlights of the past year included a family trip back to some Georgia haunts, a visit by Johnny Lucke while we were in North Carolina, good times on the North Carolina coast, and ripping-up the inside of our house in Allendale for remodeling (if only Loyal Suntken were here!).

Norm Ten Brink

The past year has been one of beginnings and a "best ever" year for me, despite the very severe personal losses of Jack Henderson's departure from GVSC and John Moss's death. Both men have had a very special and significant impact on me and my career at GVSC. John involved me in and revealed to me the exciting prospects of a geological education focused on teaching people, rather than just subjects. On the other hand, Jack drew me to Grand Valley with his enthusiasm for building the best undergraduate department in the country. Both men gave much of themselves to help our department become "the best". Now it is up to us (students, faculty, and alumni) to realize that goal. If we keep clear sight of that goal, remembering that our purpose is centered on working together to serve people, then I am sure we will become the best!

My own feeling of having had a "best ever" year full of "beginnings" is based largely on the conviction that I've helped take us a step closer to becoming the best undergraduate department. This fall I began a new half-time research, half-time teaching position -- an opportunity almost unheard of in a department of our size. That opportunity has already allowed me to: (1) spend the first of three summers on an Alaskan Range glacial geology project sponsored by National Geographic, (2) take a geology major along for a summer's field work in Alaska, (3) complete the computerized modelling of non-point water pollution in our tri-county area for an EPA-supported project, and (4) teach geomorph with more enthusiasm and involvement than I've had in three years! (I also became the father of a new son, Ryan, on July 3rd.) With a year like that, who couldn't feel a sense of new beginnings and progress despite the losses?

I hope that you can share my sense of personal and departmental achievement, and that you will continue to share our joint purpose of becoming the best geology department anywhere.

Ed Tremba

The past year involved making some major adjustments both professionally and personally. Legal aspects of my divorce proceedings hopefully will terminate in early December. Jane is planning to work as director of volunteers in a hospital in Arizona.

Teaching geology and working on the professional development of majors have become even more rewarding than in previous years. I feel very close to having achieved the quality of teaching I've always strived for. Thanks to the tremendous students who have provided the basis for my GVSC experience.

My Air Force research endeavors are continuing with each summer that passes. Last summer's activities consisted of writing several reports (at least sections) and establishing foundations for a "Return to Eniwetok", which may or may not be funded.

A special thanks to Bette whose secretarial and administrative skills provide the framework for our department's functions and growth. Thanks are also due Barb for applying bandages to our ailing equipment.

Jeff Sutherland

Jeff has recently completed a study for the National Science Foundation entitled "Feasibility of Using Michigan Wetland for Tertiary Treatment of Municipal Stabilization Pond Effluent". He submitted a condensed version of this study to the Brazilian Committee for the Third World Conference on Water Resources of the International Water Resources Association. Whew! Lucky Jeff writes that he is intending to attend the conference in Sao Paulo during July, 1978.

Jeff has been secretary of the Michigan Basin Geological Society this year. He is also serving as the charter president of the Michigan Section of the Association of Professional Geological Scientists.

Most of his work has involved environmental impact analyses of programs such as polluted, dredged harbor sediment disposal and treatment systems. He has written a number of proposals for studies related to wetlands and water resource problems. Finally, he is getting involved in some preliminary studies of lake restoration.

FACULTY PUBLICATIONS

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- Lefebvre, R.H. and Abrams, M., 1977, "Computer Classification of pahoehoe flows in the Craters of the Moon Volcanic Field, Idaho using LANDSAT data"[abs.]: Abs. for the Planetary Geology Field Conference on the Snake River Plain, Idaho, NASA Tech. Mem. 78, 436, p. 3-6.
- Neal, W.J., O.H. Pilkey, Jr., and O.H. Pilkey, Sr., April 1978, Currituck to Calabash; The North Carolina Coast (a book).
- Ten Brink, N.W., 1977, "G.V.S.C. Non-Point Source Pollution Prediction Model": West Michigan Regional Shoreline Development Commission Report
- Tremba, E.L., and Patty Videtich, 1977(?), "Interpretation of Diagenesis and Origin of Pleistocene Chalk, Eniwetok Atoll, Marshall Islands": J. of Sed. Pet.
- Tremba, E.L. and others, 1977(?), "Strontium Isotopic Composition of Marine Carbonates of Middle Triassic to Early Jurassic Age, Lombardi Alps, Italy": Sedimentology
- Tremba, E.L. and others, 1977, "Geology and Geophysics of the Nuclear Craters Areas of Eniwetok Atoll": Air Force T.R.
- Tremba, E.L. and others, 1977 or 78, "General Geology of Eniwetok Atoll": Air Force T.R.
- Sutherland, J., Dec. 1977, "Combined Surface and Ground Water Recharge Water Supply for East Lansing, - Meridian Township": Water Resources Bulletin (American Resources Association).
- Sutherland, J., 1977, "Environmental Consulting as an Earth Science Vocation": Michigan Earth Scientist.

2ND ANNUAL GEOLOGY CHRISTMAS PARTY

Name _____

Guest's name _____

Drink Preference

Beer

Spiked
Punch

Unspiked
Punch

\$3.00/person Amount enclosed _____

MAKE CHECKS PAYABLE TO GRAND VALLEY GEOLOGY CLUB

REMEMBER: "Today's geology student is tomorrow's geolumbus"

Buck Sharpton, 1977

PLEASE RETURN BY DECEMBER 15, 1977

We need volunteers to make hors d'oeuvres. You get reimbursed for food expenses and we all get a lot more for our admission price.

-HOPE TO SEE YOU ON THURSDAY, DECEMBER 21-