



GSA 2011 IN MINNEAPOLIS!

We hope you'll be at the GSA meeting at the Minneapolis Convention Center, October 9-12.

We'll be there, along with many of our current students.

Please join us at the Gustavus Alumni Event on Monday night, 7 p.m. Details forthcoming!

If you're presenting, tell us and we'll make sure we stop by and we'll put you in the news update before the meeting.

Send updates to Laura Triplett
ltriplett@gustavus.edu

DEPARTMENT NEWS

GREETINGS FROM THE DEPARTMENT

I am pleased to report that we're all back in the saddle here. Jim Welsh has returned from sabbatical, and we are looking forward to a busy year. As I write this, during early July, the department has seven students conducting various research projects, outreach activities, and other work in the department. Our fall classes are nearly full, and Jim and Julie are both teaching full sections of FTS. Jim will take a group of students to Hawaii for J-term.

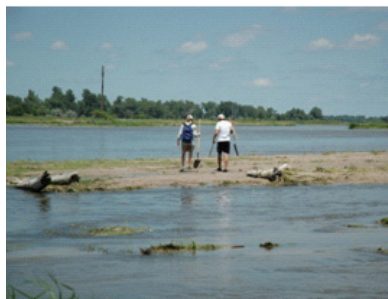
We've made some definite progress toward the curricular and recruitment goals that Jim mentioned last year. The major has changed a bit – Evolution of the Earth is now a 200-level course and Structural Geology is back to the 300-level, after spending some time at the 200-level. Evolution of the Earth has a spring break field trip – Jim led it in 2010 to the Big Bend (TX) area, and Julie led it in 2011 to the Guadalupe and Sacramento Mountains of Texas (top of page). Laura's on for 2012, with a mystery destination out west....

Laura and Jeff Jeremiason (chemistry) will offer Geochemistry of the Environment,

a new introductory course for ES students that will really get ES students thinking about geological questions. We're definitely seeing more geochemistry, projects, and real-world data in our courses. The acquisition of the NSF-funded ICP-MS in 2009 was a definite boost; many students now have the opportunity to collect their own geochemical data using this powerful instrument.

Two students graduated last spring, Carson Smith and Mike Hendrickson, and we have four rising seniors. Current students, in addition to the seven working in the department this summer, are attending field camp, working on dinosaur excavations, or participating in REU programs off campus. Students really like to hear alumni stories, so if you've got one, bring it to us – we'll set you up for a brown-bag so you can tell the students what you're up to.

NEWS FROM CURRENT FACULTY



Carson Smith ('11) and Laura Triplett hard at work in the field!



The Evolution of the Earth class at White Sands, NM (spring break trip, 2011).



Laura's Fall 2010 Geomorphology class.

JULIE BARTLEY

Hello, everyone! I can't believe I'm already starting my third year at Gustavus – I still feel like a newbie! This past year, I taught sed/strat, evolution of the Earth, and a bunch of Principles labs. The high point of the spring semester, I think, was the Spring Break field trip to West Texas. We thought we'd never get out of the cold weather at the beginning of the trip – the students were lined up next to the van in their shorts at 7 a.m. and 20°, ready to go. It snowed all the way through Kansas. Texas and New Mexico were fantastic, though. We had good weather and even better outcrop. We hiked the Permian Reef trail, explored Mississippian and Pennsylvanian Reefs in New Mexico, and ended the trip with a stroll down Carlsbad Caverns. Alice Stagner, a geologist for Conoco-Phillips, joined us for part of the trip, leading us into Slaughter Canyon (an unfortunate moniker) for a seismic-scale mapping exercise and guiding us on a 1-day driving tour of West Texas geology.

This summer, I'm doing some research in the Gunflint Iron Formation, looking at the geochemistry and paleontology of the fossil-bearing black cherts near the base of the Gunflint. I did some fieldwork in June with geology major Joe Curran-Jung and, after a death march across the rocky shore of Lake Superior, returned with lovely black chert samples. Sophomore Hannan Mir is taking the lead in processing these samples for chemistry, while Joe is busily hunting for microfossils. Elsewhere in the lab, sophomore geology major Jenny Hanson is trying to decipher trace element "fingerprints" in various kinds of carbonate minerals, using our ICP-MS. A trio of geology majors – Tara Selly, Todd Kremmin, and Jake Bruihler are creating an exhibit and brochure about the geology of Nicollet County. All in all, the summer has been quite busy and exciting.

I'm really looking forward to meeting some Gustie alumni at the GSA Meeting this fall. Come to the alumni gathering or just stop by and see us before or after the meeting. As always, if you're in town, let us know!

LAURA TRIPLETT

This has been a good year for my teaching and research. Geomorph enrollment has continued to rise, with 30 students enrolled in fall 2010. The highlight was when the class spent a nice weekend camping up along the St. Croix River (pictured at left), where they learned geology and I learned how

to cook breakfast burritos for the masses. In the spring, Global Climate Change was at capacity, and we took the department's new lake coring equipment out for its first use. Also in the spring, I enjoyed teaching Principles for what was only the second time. With all of the geological events in the news that semester – Japan earthquake, climate change, rivers flooding at home and beyond – we had a lot to talk about.

In the summer of 2010, a Research, Scholarship and Creativity grant from Gustavus jump-started a new research direction for me. Carson Smith ('11), Todd Kremmin ('12) and I were joined by my colleague Karin Kettenring from Utah State University for expeditions to the Platte River in Nebraska. We're studying how an invasive species of grass, *Phragmites australis*, is changing the amount of silica -- an important nutrient for aquatic organisms – that gets transported downriver to the ocean. (See my Gustavus website for more details.) It's a fun combination of geology, chemistry and ecology, all wrapped up in the context of human impacts to the environment. The project became the core of Carson's senior thesis, and I'm pursuing funding to continue and expand the research, and to get more students involved. This summer (2011) has been busy with grant proposal writing and continuing our sediment fingerprinting work in the Minnesota River basin with the help of Jenny Hanson ('13) and Nick Alverson ('12). Our department is also helping to plan Nobel 2012 "Oceans", and have confirmed that Marcia McNutt (the Director of the U.S. Geological Survey) will be one of the keynote speakers. Let us know if you're going to attend!

JIM WELSH

Well, my sabbatical is rapidly running out (drat!). When I wrote last fall, I was holed up in a ski condo in Vermont. It turns out to have been a fairly busy, yet relaxing, year. Vermont was lovely. I had always wanted to see New England in the fall. But chances for that are slim when one works in an academic environment in the Midwest. As I indicated in the previous newsletter, I was lucky that my wife took a travel nursing job in Waterbury, VT so that we could actually spend some extended time there. I got to see a lot of Vermont, and also made trips to Montreal and Quebec City. On a second trip to Quebec City in the early fall—just as colors were beginning to turn, we drove up the St. Lawrence as far as Tadoussac where the Saguenay River enters into the St. Lawrence in a fjord-like

inlet. Quite spectacular! Whales actually come that far up into the St. Lawrence to feed on morsels nourished by goodies from the Saguenay, so we took a whale-watch cruise. Upon our return we drove down into Maine, and spent a couple of days in the Bar Harbor area (remember “Perfect Storm”), and were able to visit Acadia National Park.

One of my favorite activities in Vermont was a bike ride along an abandoned railroad causeway from downtown Burlington into Lake Champlain. The causeway itself is built from discarded marble blocks (from a nearby quarry). Besides riding the trail I occupied myself with observing gorgeous fold structures in the marble, trying to dream up new “torture” exercises for Structure students. The setting of that trail is spectacular—middle of Lake Champlain—with views of the Adirondacks to the west, and the Green Mountains to the east.

For much of my time there I was dealing with plantar fasciitis in my heel, and that limited my hiking. By October that got better, and I was able to finally get some hiking in—during peak fall color. I hiked up onto the Long Trail (a trail running the length of Vermont along the crest line of the Green Mountains) at the Sugarbush ski resort, and a few days later, I hiked up to Camels Hump—a prominent peak visible from Burlington—and not too far from where we were staying. We also got in a lazy kayak ride along the Winooski River. I could go on and on with details of fun things (with a little geology thrown in of course!)—but I will spare the details.

Sadly, we had to leave in late October. I was kind of hoping that my wife would continue her appointment—but she felt like moving on. So she took another appointment in Evanston, WY, beginning in Dec. Evanston is in the far southwest corner of Wyoming on I-80, with the Uinta Range 30 miles to the south, and the Wasatch 50 miles or so to the west, with Park City only about 45 minutes away, and Salt Lake City about an hour away. In some ways it was a bit of a “homecoming” as I did my field camp (UMD) out of Park City. Park City has changed just a “tad” since I was there over thirty years ago. It was then mostly remnants of an old silver mining town. Now of course—it is “ski resort city”—built all the way out to I-80. It’s been kind of fun trying to “relearn” some of the regional geology. (Not that I really knew it before—field camp is actually kind of myopic—lots of little projects such that it is difficult to get a sense of the larger picture—and the geology there is not simple!) Of course I couldn’t really see all that much because we were there in winter (and spring didn’t exist!—record

amounts of snow—and threats of major flooding as we were leaving in early June).

While we were in Wyoming, I decided to take a little detour—to Australia! I have a brother (a mining engineer) who has been living in Perth for the last couple of years. (Some of you might recall I went there in 2000, when my brother was there on a previous assignment). I spent six weeks. Probably the highlight of this trip was a road trip into the Pilbara (in the northwest). The Pilbara contains some of Australia’s oldest rocks, and is especially known for its mineral resources. The trip started out with my brother and I driving to Shark Bay (home of modern stromatolites). After spending a couple of days there my brother flew back, and left me with his car. From there I drove farther up the coast to Exmouth, home of Cape Range National Park and the Ningaloo Reef Marine Preserve. I spent a couple of days there, with perhaps some of the best snorkeling I have ever done. After that I headed inland into the region of the Hammersley Range. Headquartering in the mining town of Tom Price, I spent a couple of days exploring Karajini National Park, where the Hammersley Iron Formation is well exposed. The Park itself is noted for deep gorges cut by streams into the iron formation. Many of you probably recall that I am from the “Iron Range”—so seeing the Hammersley Range has been a dream of mine for a long time. What struck me was the sheer volume of the iron formation there. While the Mesabi Range certainly has a large enough volume of iron—it doesn’t begin to compare with the Hammersley. The other thing of note—is that the iron formations actually crop out (compared to the Mesabi—where they are mostly buried by till—in fact form bluffs and hills of banded iron formation hundreds of feet high. Everything was tinged with red. (Another reminiscence of growing up on the Iron Range). Of course the country itself is immense. The distances are almost unfathomable. A lot of emptiness! But it was cool! I’d do it again in a heartbeat.

We left Wyoming in early June. But before coming home we spent a couple of days in the Moab area, then drove to Santa Fe for a few more days. We’ve been home now about a month. But—my wife “reupped” her contract in Wyoming—so we are headed back in a few days—and I will spend much of August there before having to finally come back to “work”.

I will try to remember to post some pics of the travels on the department website.



Jim Welsh enjoying the iron formation in Australia



NEWS FROM FORMER FACULTY

JOE CARLSON

Thanks again for all the news and for the personal messages for me that many of you attached. My own news is bland and repetitive, even. Frittering is my way of retirement life. I still enjoy gardening and fishing, both summer and winter. Cruised the western Caribbean out of New Orleans in March and ran into quite a lot of spring breakers. (How do they come up with the funds to do that?) The only thing that keeps me in St. Peter is the College—events and colleagues here. I often have thought of how grim this place would be without the Minnesota River (which has flooded twice so far this year). It would be miles and miles of beans and corn. Then again, the founding fathers could have put Gustavus in Windom or some such place. I miss Chester Johnson dearly and often think of the influence he had on my life and teaching. I gave up my GSA membership at retirement, but perhaps I will be able to crash the Gustie Geology gathering in Minneapolis this fall.

BEN LAABS

Hello, geologists! Hard to believe another year has gone by. Nancy and I have put down roots in Geneseo, NY and enjoyed another fine year. I enjoyed seeing Jim and some Gustavus alums at GSA meetings in Denver (Fall 2010) and Logan, UT (Spring 2011), and always look forward to seeing more in the future. Teaching and research are going well. This summer, I am spending 8 weeks in the west studying glacial deposits in Nevada, Utah and Montana, and attending the INQUA meeting in Bern to give an invited talk on glacier-climate relationships. I will enjoy a semester of research leave in the fall, part of which I will spend in Nevada and the rest in my cosmogenic nuclide lab. Hope to see you at the GSA in Minneapolis!

CAROL HOGSETT (MOONEY)

Los Alamos National Laboratory, Los Alamos, New Mexico

I have to say that living in New Mexico continues to just be a wonderful experience. Grand mountains all around me, great weather, and the geology!

My job at the National Laboratory continues to encompass recruiting for top Computer Science and IT talent at a variety of universities across the country. I currently have about 80 student interns in my organization at LANL working in a variety of areas for the summer and some will stay year around. My recruiting schedule will start again this fall and will include MTU, UofW, NC A&T, Supercomputing 2011 (in Seattle this year), as well as all New Mexico universities. Spent 2 weeks on Kauai and Hawaii in October with my husband Vic for my birthday and our anniversary. We had a great time and we spent my birthday looking at hot lava coming out of Kilauea Volcano – what an awesome thing for a geologist to see firsthand. Made my day! Since we live pretty close to Utah – we spent a long weekend in Moab on Mountain Bikes. I am really enjoying this sport and starting to learn the road biking aspect as well. Lots of fun. I hope that everyone is riding out the storms with the crazy weather nationwide and that you are safe and sound!

WALTER YOUNGQUIST RECEIVES THE GREATER GUSTAVUS ALUMNI AWARD

WALTER YOUNGQUIST, 1942

Walt Youngquist received the Greater Gustavus Award, the highest honor bestowed by the College, in May, 2011. In the citation it was noted that Walt arrived at Gustavus about the same time as Chester Johnson became a faculty member. Obviously inspired by Chet, Walt was to become the first Gustie to choose geology as a profession. He went on to earn a PhD at the University of Iowa, studying among other things those toothy microfossils, conodonts (Do you remember his donated specimens from paleo class?). He taught at the University of Idaho, then joined Exxon Mobil as an exploration geologist, and ultimately returned to teaching at the University of Oregon. During his career, Walt was a consulting geologist for Exxon, Shell, Belco, Amoco, Sun Oil, and others. He traveled to over 70 countries, wrote more than 100 scientific papers and authored 10 books on topics ranging from petroleum resources to "Over the Hill and Down the Creek", a delightful account of the experiences of geologists (which I have been rereading lately). Walt received the Award not only for this outstanding career, but also for his generous support of the College. You are probably aware of the Chester O. Johnson and Walter Youngquist Student Research/Field Study Endowment Fund and the Chester O. Johnson Scholarship Endowment Fund. But Walt has endowed three other scholarship funds, helping deserving Gustavus students with financial needs.



NEWS FROM ALUMNI AND FRIENDS

GARY "HAWKEYE" ANDERSON 1968

THE Class of 1968 - "Still crazy after all these years!!"

Dr. Carlson: I just got back from walking the rescue dog (Airedale Terrier) on the beach - Atlantic Beach, FL. The water is 74F and the waves were slushy and less than 3 feet. There were plenty of laughing gulls, sandpipers, Sanderlings, pelicans, old people, dogs, Sargasso, wind, sand and seashells and a few fisherpersons (male & female). There were some sun bathers, but not many because of the wind.

I gave you the above detail because of what will happen to me, by choice, very soon. I have accepted an assignment to temporarily move to somewhere in Alabama to manage the recovery, collection and proper disposal of all of the debris from the recent tornadoes. There will be no beach, no surf and fewer birds. I have worked in disaster recovery management for about 25 years. In fact, it is the reason I am in Florida. Hurricane Opal forced me to move to FL and then Charlie, Floyd and a host of other uninvited guests over 15 years kept me busy. The Opal opportunity/experience was tendered because I am a coastal geologist. In each of the storms, the coast got whacked pretty good. Then later I spent time in Jefferson Parish, LA working for the Corps of Engineers in the Katrina recovery. I was assisting with the efforts to restore the barrier islands of the delta. Yes, I do get paid for working 14-18 hours a day, 7 days a week for 3-5 weeks in a row. Yes, the work takes an emotional toll - that's why I only work with people I know and trust. We cover each other so one can take off for a few days and see children, spouses, pets, family or get rip roaring drunk with a reliable sober driver. Each team member has his/her preferred way to decompress. We are not first responders (May God Bless Them and Watch Over Them)!! Hurricanes are very bad - but tornadoes are worse - their indiscriminate and meandering paths create the most unimaginable carnage. I remember being in St. Peter for the floods of 1967 and then after the tornado smacked the college and the town.

I am toying with keeping a chronicle of the Alabama effort on Facebook, but I am not that driven to share some of this work with the world. I will think about it and if I choose to use the social media - I will let you know.

The modern age of computers has taken over some of the most tedious work related to disaster recovery. Without boring you with the details we use handheld computers with high end GPS, cameras and WiFi to locate and document all of our work. The recovery from a disaster is BIG money and you better be damn sure you have documented every stick you picked up - where it came from, who picked it up, who hauled it, where did they haul it, when did it take place, what happened at the disposal site, were there hazardous materials involved, did anybody get hurt.....it goes on.....trust me.

I have over the years taken thousands of photos/images of the destruction and the types and volumes of materials we have disposed of. Beside the documentation aspect, I cull the photos for examples of what this business is all about. I put together Power Point presentations that I give at churches, Lion's clubs, city councils, engineering firms.....the goal is to give each group a teeny, tiny look at the real story of storms & disaster. Most lay people are not prepared for what they will see and experience if they volunteer to go and help in a disaster area. Not all of them will last and be functional while they are there. I do not sugar coat what I say and how I answer the questions. Because these presentations can get gruesome, I don't show the worst. I also have a group of pictures from every disaster of the humor of mankind. Most times it is expressed in hilarious signs and some times in very graphic and explicit "found objects" art.

Anyway, I should get back to why I am responding. My general email address has changed and I would appreciate your updating my info. Please feel free to contact me any time. Here goes:

12644 Hidden Circle West
Jacksonville, FL 32225
904-322-2397 cell
904-641-2170 home
hawki88@comcast.net (The EarthLink address will go away in about a month)
Shalom, saleem, paz and kasalehlia to y'all

RUSS SHARP 1968

Thanks for your yearly solicitation of alumni news. For some reason I did not receive your snail mail request last year so I am glad to be off of your list of nonresponders. As far as news goes, I am still a senior geologist with

Comstock Resources here in Frisco tx (a far north suburb of Dallas). Like most companies on the NYSE, we are mostly just drilling horizontal wells in unconventional shale resource plays. From a business prospective it pays the light bills but is not very stimulating geologically. I miss the days of trying to figure out detailed reservoir problems in conventional sand and carbonate fields in the Rockies. I figure I have about 15 months left before I retire to enjoy the grandkids and pursue hobbies like golf and hoping for the Cubs to get to the series (at least the Rangers gave me a taste of that last season). We did get to vacation in Utah last summer so I was able to see the grand geology of Zion and Canyonlands Parks.

As a side note, I wanted to pass along some comments from Chester. I had sent him an email after your '09 newsletter just to say hello. This was his response:

Dear Russ:

Thank for your letter of August 7. I am late in replying having been overtaken by old age. I am now in a nursing home and reading books instead of playing Bingo, whatever that is. I have just completed reading Jim McPherson's latest book - this one with Lincoln as a strategist in the Civil War. Old Abe was a better strategist than any of his generals with the exception of Grant and Sherman. He learned it by reading books and hard experience. I remember Lee and Gary, but have lost track of both of them. I am mostly cut off from home but get there at times to check my e-mail. It is great hearing from you..

As you can see, he had not lost his great dry wit. I was sorry to hear of he and his wife's passing.

Thanks again and I will look forward to getting your newsletter.

ALAN LIPKE 1970

I am still doing the Outreach Job here at the Soudan Underground Physics Lab. I do presentations around the area about the research here at Soudan. The two experiments are neutrinos (MINOS) and Dark Matter (CDMS). I am somewhat limited in my travel by my budget but have done about 45 presentations from St. Cloud to Duluth to International Falls and all points in between. We have a new project on the Ash River Trail which caught the attention of a local geology group last summer. We had blasted a 400 foot



x 70 foot x 70 foot hole into the precambrian rock and the group wanted to get a first hand view of the site. It is now all cemented in and the detector is being installed. The rock is mostly Saganaga Granite and I asked one of them what they could tell me about the granite. It just so happened that he had done his doctorate on the formation.

We had a fire in March which will eliminate any public tours for the summer. The lab itself was not seriously affected other than water and fire retardant foam damage. We are located on the lowest level and of course all of the foam and water obeyed the law of gravity. We hope to be open for tours by September but we don't have any guarantees. We have a website, www.soudan.umn.edu and a Facebook page Soudan Underground Physics Lab.

The facility on the Ash River Trail is the NOvA detector. It is designed to detect electron neutrinos. It is scheduled to be operational by late 2013 or early 2014. It is a huge detector 16,000 tons of detector basically on the surface. We will eliminate the cosmic radiation by measuring the timing of the neutrino pulse and only recording data for about 200 nanoseconds as the neutrino pulse is traveling through the detector.

Allen Lipke

Outreach Education Coordinator
Soudan Underground Physics Lab
218-753-6611

JIM HIMANGA 1971

Hope this finds you and your loved ones in good spirits and good health.

I am now retired after 33+ years with ExxonMobil. This will give me more time to travel so I can join the Century Traveller's Club. This quest took Liz and I to Turkey and Greece with a few island stops in between early this year. We recently continued with a trip through Russia and the Baltic states where we enjoyed the cool weather. We will be escaping the heat of Houston this summer by traveling to Minnesota, specifically Sauk Centre. Next fall should see us off for more overseas adventures.

Through recent home remodeling experience I learned that geologists are NOT the favorite customers of flooring and countertop firms. As a group we are viewed as entirely too picky about texture, color, grain direction, minute imperfections, and identifying mineral components of rock. Also we have the ability to identify that the

counter they bring to install was not cut from the slab we picked at their shop. We are also the only people that: bring a hand lens when inspecting samples, desire to know the area of the country of origin and not just country name, request to see the unpolished side of the slab, take pictures of the slabs with spouses in front for scale.

WM BESLOCK 1973

I'm from the class of '73 and live in White Lake, MI. I received the May newsletter. You're doing a great job keeping the alumni informed. Earth science was my minor and Philosophy was my major. I received a newsletter from that dept., last year, as well.

--- I have a daughter that lives in the old town area of Chicago (who's 25) and works as an admissions coordinator in a health and rehab facility near Loyola University. My oldest son (turning 21 at the end of Aug.) goes to the local community college and has a summer job recycling old circuit boards (Universal Waste Recovery). I was surprised at the truckloads of circuit boards that they work on. He even told me that there was very minute amounts of gold in some of them.

--- My youngest son (just finishing up kdg.) reminds me of geology on a daily basis --- with all the pea gravel he brings back to the house from the school playground (in his cuffs and shoes). He's been daily refilling the window wells around my house. He also had pet rock day last week --- where they dress up a rock, put eyes on it, give it a blanket & a pillow, and then take it to bed with them. We'll probably take a couple camping trips this summer. I'm picking up a new tent tomorrow night.

--- It's been a very busy year. The weather's great, over this way, today (sunny and dry). I'm going to wash some window and screens today. Talk to you soon ---

Gary Quist 1975

Don't know if news of this fossil dig is out there but it's almost in my back yard. Have lived in the area 30+ years now... Cheers

Copy & paste this link or google Snowmass village fossils...

www.dmns.org/snowmastodon-project

KARL MOLENAAR 1976

Thanks for keeping in touch over the years, I do enjoy reading the Geology Newsletter.

I have now been married for 22 years. Cindy was an Interior Designer and worked at an architectural firm prior to our twins (Michael

and Caitlin) being born 19 years ago. Cindy is picking Caitlin up from her first year at Kansas State where she is doing a five year Master's program in Interior-Architecture. Hopefully when she is graduated the construction industry will have rebounded. I will be driving to Milwaukee tomorrow to pick Michael up from Marquette where he is majoring in Political Science with an emphasis in foreign affairs. Neither of my kids had any natural aptitude for the sciences.

I am still living in Cannon Falls, Minnesota though my practice of medicine has changed. A year ago I had a significant concern about the direction Mayo was taking our community hospital (getting away from community medicine and in a nut-shell turning it into just a "Super-clinic" to refer patients down to Rochester) and questioned Mayo's direction, leadership, and ethics in the practice of medicine in our small town. My concerns fell on deaf ears and two days later I was terminated. I am now doing just Emergency Room work up in Mora, Minnesota until my no compete is up and I can get a new clinic built in town.

I've been back to Gustavus a number of times over the years for the Nobel Conference, basketball camps for my son, college visits for both Michael and Caitlin. Still remember my college days quite fondly.

I am not ready for retirement for probably another ten years or so, but it is never too early to think about what might keep one occupied when the time comes. Wouldn't mind acquiring a good quality polarizing microscope with a stage that you could adjust pressure and temperature of the solution that you are looking at. Know of anyplace where I could acquire something like this?

Karl Molenaar Class of "1976"
karlmolenaar@yahoo.com

DEB MEESE 1978

Always enjoy hearing from you! I hope I'm not on the list of nonresponders!

Not much new on this end. Have another glaciology paper in review, but am primarily doing optometry these days. It was very sad hearing about Chet!

Hope all is well there.

Best Wishes, Deb

Address: 169 Wilder Lane, New London,
NH 03257

Email address: dameese@gmail.com



JOHN ZAGER 1979

I guess that it is about time that I check in again. Professionally not much has changed, I am still the General Manager of Chevron Alaska located in Anchorage. It is hard to believe that we have been here for ten years now. It has been an interesting time to be in Alaska. I have had a front row seat in many of the debates that have occurred concerning the Alaska oil and gas business in the last several years. I frequently provided legislative testimony on some of the bills for which are former half term governor is now taking credit (or blame - depending on which side you are on). I served for two years as the president of the Alaska Oil and Gas Association and remain on the board of directors.

My daughters are both going to school in Minnesota. Katie will be a senior at Macalester and Annie will be a junior at Saint Thomas next year. Katie has spent the past spring semester at the University of Capetown. Sue and I were able to go down and visit her while she was there. It was a great trip to check out the beauty and variety that is South Africa. The geology and the wildlife that I was able to observe where incredible. Sue and I also made a diving trip to Dumaguete in the Philippines in February. This is the same location where the Gustavus J-term class on marine biology went in 1979. It was fun to be able see some of the same places that we visited back then.

I hope that all is well with you and all the Gustie geology alums.

MARK D. OLSON 1980

Thanks for your work and persistence with the Geology Newsletter.

I believe I predate your tenure being a 1980 graduate with minor in Geology and majors in Environmental Studies and Geography. Since 1981 I have worked in varying capacities with environmental consulting & engineering firms and with Liesch Associates, Inc. (Plymouth Mn) since 1988. The work has included many types of projects including groundwater supply, brownfields investigation and re-development, super-fund work, environmental site assessments, solid waste planning and engineering, groundwater monitoring programs, site investigation & remediation, environmental review (EAW / EIS), etc. My time at GAC was memorable and my education has served well.

JIM LUNDY 1981

It's always good to hear from you and confirm that you have not disappeared forever into what Chester Johnson used to call "the Black Hole of Calcutta" (rock storage). I remember learning from you about "lumpers" and "splitters", and am horrified to find myself lumped with other "notorious non-responders". So here we go:

I still live in St. Paul with my wife Sherryl, and a partial contingent of offspring. Oldest Sean (20 yrs) has completed his second year at Iowa State University and majors in Global Resources Systems (water and agriculture in developing countries). He's preparing for his second trip to Uganda, where he will spend most of this summer. Daughter Rose (17 yrs) has finished 11th grade at Roseville High School, and will spend a good chunk of the summer on the Green River in Wyoming, restoring trout habitat (I'm sure you approve) with the Student Conservation Association. Sherryl works in continuous improvement at the Minnesota Pollution Control Agency, which she enjoys. I continue as a hydrogeologist at the Minnesota Department of Health. My projects have included a look at naturally-occurring radium in the Cambrian Mt. Simon and Jordan sandstone aquifers of southeastern Minnesota, and a mapping project to predict nitrate occurrence based on hydrogeologic sensitivity and land use (also in southeastern Minnesota). And a musical I co-wrote with Kevin Bowen (GAC, '83) is getting a production at Eat Street Players in Minneapolis (www.TheRedTureen.com and www.Eatstreetplayers.org). That last news item is a sideshot, but quite exciting.

KENT JOHNSON 1984

Sorry, I seem to be one of those that continues to procrastinate and then sometimes forgets... I hope that life in St. Peter is treating you well. I have just recently completed my 19th year of teaching Earth Science in the Robbinsdale Schools. I am entering my 13th year at Plymouth Middle School. I am still in St. Michael, MN shuffling my 3 girls around to their soccer /basketball activities. Three years ago, I joined the St. Michael Lions and am currently serving as a Vice President for the organization. The newest "news" is that I am currently in a cohort pursuing an Educational Specialist(EdS) degree in Administration through the University of St. Thomas. And if all goes according to plan I will be finished by

June of 2012.

Thank you for doing the newsletter,
Kent "Monte"

JON HYERS 1984

Funny how I always reply, even when I really switched to visual effects. On the missing guys, I think some of them were my time, but honestly about the owner GAC's I see are people I see at random wearing GAC garb.

Here's my news, and I am IN the news and ON the news. I'm pretty sure I didn't send these before, because I only recently got copies of the URLs to send to 'EVERYONE I KNOW' ha ha ha. Curious first, did you see my Haunting of North 3rd film that showed 20 times in the St. Peter Cinema fall of 2007, I know Jim Welsh told me he didn't. The theater told me my film broke sales records for them, though in St. Peter that is not much of a victory. Unfortunately the large majority of GAC staff who are still around, said they didn't make it in all those showings. Too bad I guess.

BUT it will be showing again in the fall, assuming that THIS year, unlike 2008, the corporate scheduler doesn't decide to get back to me 5 days before he wants to show it, cutting out all possibility of promotion! Along with it will be a comic Harry Potter Spoof.

Here's my news youtubes and blogs, and a trailer for my Potter Spoof. These stories are relatively recent, current to his latest Visual Effects DVDs, and were Filmed/Written June 2010 - April 2011

JON HYERS HALLOWEEN DISPLAY,
Oct 31, 7 Video Projectors

http://www.youtube.com/watch?v=_082HGbtwjU
http://www.youtube.com/all_comments?v=TL_HcfSOQTM

JON HYERS ON TALK SHOW: Using his Projection Effects in a film, Jon's history in filmmaking leading up to his involvement in Haunted Houses.

<http://www.youtube.com/watch?v=0pilbyRJ1Yo>

WEB PRODUCT REVIEW ARTICLE:
Written at our booth [Haunted Props.com]
2011 National Haunted Attraction Show, St. Louis - on Jon Hyers Effects

<http://www.blackgate.com/2011/04/03/goth-chick's-crypt-notes-a-zombie-of-your-very-own/#more-19826>

JON HYERS IN A NEWSPAPER: Using his Projection Effects in a film, Jon's history in filmmaking and making Haunted House effects.



<http://www.review-news.com/main.asp?SectionID=64&SubSectionID=320&ArticleID=6225>

Harry Murdoch Trailer

<http://www.youtube.com/watch?v=uvBkTr36DbA>

TRACEY ANDERSON 1986

I think I missed responding to your last few pleas for news, so I didn't want to let this year pass without sending you an update. I'm still working as an associate professor at the University of Minnesota, Morris. It's a good place to be--I have great colleagues and get the opportunity to work with some really talented students. Typically I teach Entomology, Freshwater Biology and the organismal survey course for our majors. The big geology-related news is that next year I will have the opportunity to teach Invertebrate Paleontology, which is an elective that both geology and biology students can take. I'll be counting on my GAC geology background and my brief foray into paleontology in graduate school to help me get up to speed for this new class. Outside of work I manage to keep busy by biking, fishing and dabbling in the garden--all of these things will be much more fun if we ever get any real spring weather! Over the past few years a crazy-wonderful dog and two equally fabulous kittens have joined my household. Needless to say they keep me on my toes. I'm looking forward to returning to GAC for Homecoming and my class reunion this coming fall. (Rumor has it that it's my 25 year reunion, but that hardly seems possible....). Well that's it from Mo-town. I plan on working on my paleo class more this summer, so no doubt will be in touch seeking sage advice.

Tracey M. Anderson

Associate Professor of Biology
University of Minnesota, Morris
Morris, MN 56267

MIKE BRATRUD 1986

I officially feel guilt that you had to nag so I am submitting my mundane update. I can't remember when my last official update was so some of this may be repeat. I have been with Braun Intertec in Bloomington since 1998. Fortunately we have weathered the recession fairly well and have grown significantly in the last year. I was appointed Vice President in January of 2010 and manage the environmental consulting practice. On the home front we are having some mixed emotions as we get ready

to send our oldest son off to college. He will be attending NMU in Marquette, MI where he will study criminal justice and ski on the Nordic ski team as well as go through the ROTC program. Our younger son will be a junior and our youngest (daughter) will be a 7th grader. They will keep us plenty busy. Karla and I are hoping to get down to GAC later this year for our 25 year reunion and hope to see everyone then. I will do what I can to swing over to the GSA meeting in the fall as well.

SABINA KITTS YLINEN 1987

I'm glad to hear you are well! You came up in conversation awhile back when I was telling my 10-year old son about lungfish. Here's my update: I'm the EHS Manager for Medtronic Operations, based in Fridley, MN. My job is to provide environmental, health and safety leadership and oversight to 10 Medtronic sites across the country. Keith and I still live in southwest Minneapolis and our kids are growing up so fast. As I mentioned, Josh is 10. He plays football, likes computers and will start playing the trumpet in the fall. Sophia is 8. She enjoys gymnastics and violin and is determined to be a teacher and author. Life is busy, but good. Thanks for keeping everyone in touch with each other. Enjoy your summer!

SCOTT BROWN 1988

Greetings from Delaware! My wife, Clara, and I have enjoyed settling in to our home, and are amazed that we've been living in one place for over two years. We've actually managed to establish quite a nice vegetable garden area at our house, so taking care of that (and eating the results!) have taken up a lot of our free time of late.

I'm still working from home for Balance Hydrologics, and making the occasional cross-country flight back to the main office Berkeley, CA. I recently took and passed the Professional Geologist exam, so am officially registered in the state of California. (FYI--the California-specific portion of the test was rough!) Other than that, I'm very much looking forward to a trip to Italy and Prague later this summer!

Scott Brown, 1998

sbrown53@excite.com

John Danchertson 1990

Great to hear from you. News for me? Well I don't know if I have any except in July it will be my 4 year "anniversary" of being able to

live after my serious accident that resulted in a Traumatic Brain Injury. I have to deal with the TBI issues every day, but at least I get to deal with them. The alternative is the easy way out!

Glad you are still at it. Are you still the paleontology prof. at GAC or are you taking an easier role? Jim moved to Norway or Sweden or something like that, right?

So, I hope I brought a smile to your face.

When will that MN meeting you were talking about be? I may try and come up, if I can swing it.

Have a great summer!

CARLA COATES 1992

Thanks for continuing to do the geology newsletter!!

Hi everyone! I'm enjoying my new position as a Radiological Emergency Preparedness Planner at the MN Division of Homeland Security Emergency Management. It's not geology, but it sure is interesting.

Carla Coates, Class of 1992

Email address: alrac36@hotmail.com

TAMI OWEN 1993

Sounds like you've been having a rough spring. It's been amazingly nice here in England. The month of April was fab, not just with the royal wedding, but sunshine!

I want to let you know of my new email address tami.owen@btinternet.com I will be deleting my hotmail account in due course.

Love getting the updates of fellow Gusties. I regularly receive requests of information from Gusties about how to live and work in England. Unfortunately I don't think marrying is on their agenda, but still nice to be thought of.

I will reply with my current news soon. Just wanted to let you know about my new email.

Cheers! Tami

CARA ALFERNESS 1994

This past year I went to Barrow, Alaska again for work-- and this time made it to "Point Barrow" the furthest northern point in North America, where I stood in the confluence of the Chuckchi and Beaufort Seas. A few months later, I managed to hike to 7th highest lake in the US, which is the highest lake in the Pacific Basin near the top of Mauna Kea on the Big Island of Hawaii (Lake Waiu 10 ft deep, 12,600 yrs old, 13,022 ft above sea level). It is frozen most of the year. Why would I go somewhere that cold while in Hawaii? Cause there was a huge windstorm and



snorkeling was 'out'.

Meanwhile, I saw some humpback whales while in Hawaii that migrate to the Chuckchi sea during the summer. It all makes sense to me!

Staff Scientist
Sealaska Environmental Services, LLC
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(206) 940-6590 cell
cara.alferness@sealaska.com

KATHY BONNIFIELD 1994

I'm sorry that it's taken me so long to write back to you. I'm still spending my vacation time observing elections in other countries. Late last year I observed the election in Belarus—in a region that has bison that look very much like our buffalo. (Except, it seems, the bison live in forests.) Hundreds of people were arrested on Election Day, including most of the presidential candidates. While I wasn't in the areas where the violence had happened, it did cause me to pause and consider how the simple act of stating your opinion can mean that you may be beaten and arrested. I know this sort of thing often happens in other countries, but it was a unique experience to be in a country when it did happen to so many people.

I'm still working at the same place--Citizens for Election Integrity Minnesota. Last year I completed a report about ineligible voting and voter fraud here in Minnesota. I was able to document that the primary reasons for investigations and the only reason for convictions of voter fraud were felons who did not have their civil rights restored who voted (or just registered to vote but did not vote). Since someone's criminal status is not on an ID, the conclusion was that a photo ID requirement would not improve the integrity of our elections. It became an important report in the recent debates about voter ID in Minnesota.

And, of course, I did have a great amount of fun last year. One of the more memorable experiences was going to a friend's wedding in Zadar, Croatia. While there, we took a boat tour of the protected islands between Croatia and Italy.

Kathy Class of 1994

MICHAEL SCHLAGEL 1995

I hope you are doing well! I forget to e-mail you almost every year and wanted to let you know that I am alive and well. I have been living just outside of Houston in Katy for roughly the past 4 years and work for Esri.

I manage the Exploration and Production Activities across our Energy Industries. I also manage ExxonMobil and BP for our company. I didn't realize how many people leverage GIS for natural resource management at oil and gas, Pipeline, renewable companies. Enough about work stuff, but I have been married for over 10 years with two daughters, Avery (4rd grade) and Allie (1st grade). I only get up to Minnesota and Wisconsin a few weeks a year to escape the oppressive heat in Houston. It was 105 yesterday so we have a little bit of a head start on the heat wave this summer.

Please put me on the digital list either via this e-mail or my gmail account: michael.schlagel@gmail.com

I look forward to the newsletter!

Michael Schlagel | Energy Team Account Executive

Esri | 11200 Westheimer Rd, Ste. 630 | Houston, TX 77042 | USA
T 713-401-0658, ext. 5803 | M 972.795.9309
mschlagel@esri.com | esri.com

ANDY MCGRATH 1995

Last round of updates I was just starting a new job with a small consulting company (Solution Design Group) based out of Minnetonka -- that is still the case. Java based web application develop is still my main focus. The family is still living in Southwest Minneapolis. Tyler and Sydney (both 5) are really looking forward to Kindergarten next year. We have enrolled them in a Spanish immersion program which is exciting for all of us. My youngest, Tiegan (19 months) is a wonderful, curious toddler who keeps us all on our toes.

During the first week in June I took Tyler and Sydney with me out to Washington State. I had the opportunity to climb up to Camp Muir on Mount Rainier (10,100 ft). It was a remarkable hike and reminded me a lot of my time at Gustavus learning Geology. As someone who spends most of his days at a computer, it was a welcome change to unplug for a while.

All the best Joe -- and thank you again for continuing to pull this together!

5418 Bryant Ave S
Minneapolis, Mn 55419
andy.mn@gmail.com

SHERYL FILBY WILLIAMS 1998

We have a new baby at our house- a little girl born on November 28, 2010- Reija Filby Williams. She joins big brother Jasper, who is

now three, and Bear the Dog, who is now six. Other than that, all is the same...

I hope all is well! Sheryl
Sheryl Filby Williams, PG
Senior Hydrogeologist
Barr Engineering Co.
332 West Superior Street, Suite 600
Duluth, MN 55802
office: 218.529.8211
swilliams@barr.com
www.barr.com

AMY MOE-HOFFMAN, 1998

2408 Douglas McArthur, Starkville, MS 39759
moe.amy@gmail.com
apm105@msstate.edu

Hey Joe and the rest of the Friends of Geology crowd!

I can't believe it is newsletter time again. Our spring sprang (sprung?) back in February, so we are in the depths of summer now and I am surprised to find that, so far, my brain is registering the 90+ degree temperatures as "not too bad". What is WRONG with me? We have been in Mississippi three years now, longer than I have lived in any one place since high school, and it appears that we will be staying a while as we just bought a house here.

I am still teaching intro geology classes at Mississippi State, both on campus and online. I continue to be the collections manager of the small geology/paleontology museum we have here on campus. My other full time job is taking care of my little girl who, unbelievably, just turned two this week.

This spring I had a booth at the Cotton District Arts Festival here in Starkville. It was my first attempt at selling the stuffed animals I have been designing and making over the last couple of years. The sale went really well and I hope to attend some of the area festivals in the year to come. I don't have a website yet, but if you are looking for a cool, unique gift I take special orders, I am willing to try to make anything and I like a challenge!

Best wishes to all of you! Amy

KATHERINE SALLAH (WHITMAN) 1998

I received my masters of science teaching from New Mexico Tech in winter, 2009. I've been teaching at the Santa Fe Indian School in Santa Fe, NM for nine years. I teach 9th grade Physical Science as well as 11th/12th Anatomy and Physiology. I incorporate as much cool NM geology as I can, especially our rich volcanic history. I just delivered a health 10 lb 13.5 oz



baby boy on 5/11/11. We have named him Adam. We also have a four year old daughter named Ruby.

sallahkate@omarsallah.com
4309 Camino Lila
Santa Fe, NM 87507

ELIZABETH (MUSKE) SHERVA 1999

esherva@bu.edu

I live in Boston with my husband Rick Sherva '98. I am currently finishing a Master's Degree from Boston University in Historic Building Preservation and am working for the Massachusetts Historical Commission. I am also currently working on the redevelopment of a historic elevated railway station in our neighborhood into a community space that will hopefully host a winter's farmers market and events.

Last summer we took a trip to Ireland and made a point of seeing Giant's Causeway...one of the most unique geological formations I have ever seen! Along with our stops at the Cliffs of Mohr and the Burren, our vacation became a mini Geology tour of Ireland.

Thank you so much for taking the time to put together this newsletter! Hope Spring has finally reached you:)

TONYA HARTMANN MEYERS, 1999

I am working as the Program Manager for The Collaborative, an entrepreneurial and investor membership organization.

Tonya.meyers@gmail.com
6909 90th Ave. N
Brooklyn Park, MN 55445

ERIC LINDSTROM

Address: Evanston, IL [Linköping, Sweden starting in July]

Email address: frittsimsatt@yahoo.com

News: It has been another busy and exciting year here. I traveled to Sweden last summer to compete at FINA championships and then spent 10 days after that exploring the country with my dad. Shortly after returning, my wife Sarah was offered a research fellowship in Linköping and this winter we made the decision to accept it. So, together with soon to be 6-year old Annika, we will be making the big move this summer. I am hoping to get a chance to see what Mark Johnson is up to research-wise over there, too!

During the rest of the year I have been dealing with the kiddo's first year of kindergarten and continuing to coach

swimming and water polo myself. It feels pretty satisfying getting to head out of town after coaching both the girls and boys state champion swim teams in the same year. Now I need to learn how to yell, "Shut up and work harder" in Swedish though!

BROOKE (SWANSON) NORSTED, 2000

Greetings from Madison! The big news on our end is that Brandon and I just had our first child, born into a spring thunderstorm on May 11th. His name is Elliot Einar Norsted and is already an outdoor enthusiast, especially fond of afternoon naps on a blanket outside while I garden. I am on leave from my job through the summer, but in the fall head back to the UW Geology Museum here where I've been for the past seven (!) years. As part of my job I'm bringing a traveling art exhibition to Madison which will be up September through December of this year. It is a collaboration between the first female Alvin (the deep sea submersible) pilot and a watercolor artist. They took trips to the bottom of the ocean together where the artist painted deep sea vents and whale falls (the temporary explosion of life that occurs around sunken whale carcasses).

Thanks for continuing to badger us all for updates and then assembling the newsletter. I always enjoy reading them!

RYAN ERICKSON 2001

I am still up in Duluth working for Barr Engineering on all sorts of fun assessment and remediation projects. Barr currently has several positions open if anyone is looking. Our daughter Lucy will be turning 1 in July and she is a complete delight. This summer we are looking forward to spending a long weekend on the Gunflint Trail with several Nobel Hall basement dwellers. Life is busy but very good. Take care.

JEFF FORD 2002

I'm still living in St. Peter, just finished my M.A. in math, and will be teaching for MNSU this fall. Hope to see you at the community garden this summer.

Ali Thomas 2005

Thanks for your letter - I'm glad you're badgering the GAC geology alumni for their updates, as I love reading about everyone!

This past year I got married, had a baby girl named Willow Page Thomas on May 8th, and will be moving to Vermont to work for the Department of Fish and Wildlife as an Outreach

Specialist this July. I am currently working for the WI DNR as a Natural Resources Educator at Crex Meadows Wildlife Area, but soon we'll be moving east!

ANDY LEAF 2005

Last summer I finished my M.S. degrees in Hydrogeology and Water Resources Management at the University of Wisconsin-Madison, and then took a job with Sound Earth Strategies in Seattle, where I now work as a hydrogeologist. Before that, went on a winter break backpacking trip to the Sierra Nevada del Cocuy (northeastern Colombia) with a buddy from field camp, where we saw some shrinking glaciers and great structural geology. Also enjoyed visiting the department last April, seeing Jim, Laura and Julie, and getting to talk to some of the students. It sounds like there are some great things going on! Currently enjoying all of the hiking and other outdoor opportunities in Washington, and am looking forward to an upcoming trip to Thailand and Laos with my brother John '09.

andrew.t.leaf@gmail.com

1808 East John St., Seattle, WA 98112

KATHRYN LAWSON 2006

Just accepted a new job with SAIC doing environmental remediation and consulting throughout the Puget Sound area.

Thanks !

ELEANOR BASH 2007

eleanor.bash@gmail.com

This year I earned my M.Sc. from the University of Calgary, specializing in glaciology. Although it took me a bit longer than I hoped, I didn't take myself too seriously and found time to spend holidays in Austria/Budapest, learn to ski on real mountains (a bit different than skiing back home), attend a number of conferences in exciting places and break in my hiking boots. I am putting my new degree to good use this summer as an interpretive ranger at Glacier National Park in Montana (in Many Glacier if anyone is out that way). Afterwards, I will be living in Calgary working as a research assistant to try and publish some of my work.

ANNA LINDQUIST 2008

Address: Minneapolis

Email: lindq245@umn.edu

News: I'm in Livermore, CA this summer working on an internship in Nuclear Forensics. It should be a great experience and I'm really

enjoying the chance to try something new! If I didn't mention it last year, I also took a trip out to Glacier National Park and Yellowstone National Park to celebrate passing my oral exams. Aside from that, I'm still working away on my degree at the University of Minnesota and enjoying the Midwest.

Best, Anna

SHANNA (DAWSON) HOOD 2008

Thank you for the letter. Here is some updated information:

I got married to Drew Hood (also an '08 Gustie) on Aug 7, 2010 at Gustavus. I am working as a school psychologist and school counselor this year at Pine City High School (I know it isn't geology, but I like going to the science classes and helping with labs). :)

My new contact information starting this July 1st is as follows:

Shanna Hood
217 E. Skyline Ct.
Mankato, MN 55113
hoodshanna@gmail.com
507-236-1773

DAN FOLEY 2009

I received a Masters in Geology from UMD in 2011.

Dfoley222@g,mail.com
1438 N 8th Avenue E
Duluth, MN 55805

JOHN LEAF 2009

Address: In flux.

E-Mail: johnleaf2@gmail.com

News: Hello fellow GAC Geology grads! A bit of news from me: I recently finished the initial licensure program for secondary education at the University of Minnesota. I'm currently applying for earth and space science jobs in the Twin Cities area. I'm also headed to Thailand in mid-may for a

month to teach science through a course offered at the U of M.

Hope everyone is well,
John

KATHRYN LADIG 2009

I graduated from the University of Maine earlier this month with an M.S. in Earth Sciences. While there, I conducted field work in both the Wind River Range, Wyoming and the Southern Alps, New Zealand under the direction of my advisor, Dr. George Denton, and PhD candidate Aaron Putnam. I also worked for a time processing ^{10}Be surface exposure rock samples at Lamont-Doherty Earth Observatory in Palisades, NY. My thesis was entitled, "10Be Surface-Exposure Chronology of Pinedale and Bull Lake Moraines of the Fremont Lake Region, Wind River Range, Western Wyoming, U.S.A." This summer I will be mapping for Kenai Fjords National Park, Alaska. For the winter, I hope to find employment in Antarctica.

I was a 2009 graduate of Gustavus Adolphus. I can be reached most easily at this email address (kathryn.ladig@gmail.com). As you may have guessed, my mailing address changes frequently. You can reach me by mail at:

2591 Sunnyside Rd. NE
Bemidji, MN 56601

I hope the spring weather improves in St. Peter. The weather in Bemidji is quite frightful currently, but should be improving early next week.



Carson Smith and Robert Holder in the Gunflint Iron Formation.