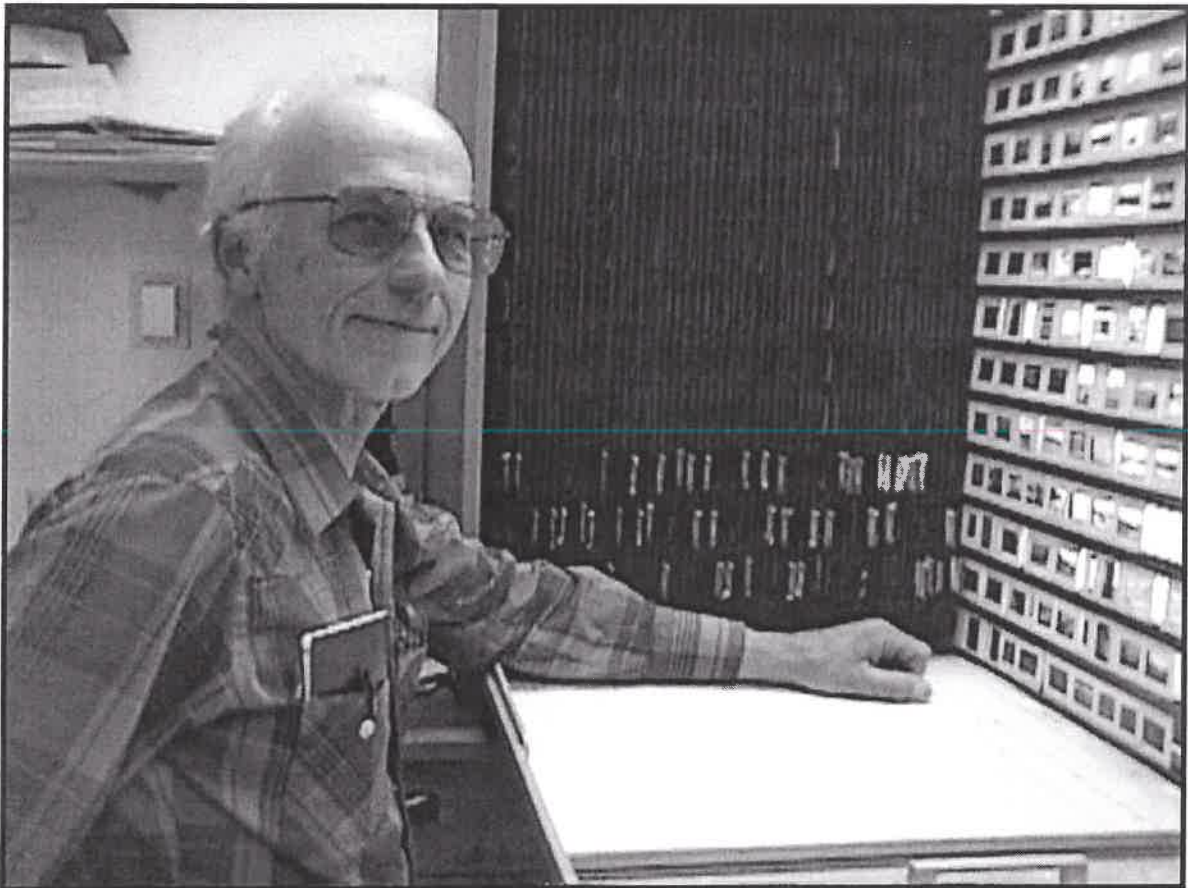


*Eastern Washington University*  
**EASTERN  
GEOLOGY**



*A newsletter for friends and alumni of Eastern's Geology Department*  
**Spring 2003**



**In honor of Professor Gene Kiver's retirement.**



---

## Welcome

---

Wow! I hear it's been a long time since the last newsletter (1998) and there's a lot of news to catch up on. Inside you'll find the latest news from the department in a message from the chair and news from all of your favorite faculty members. There's also news about the new Environmental Science Program that's making quite a positive stir on the Eastern campus. The recent downturn in the economy has really put a dent in Eastern's funding and donations are especially critical this year. Turn to the back of the newsletter to find out about the

status of the new scholarship started to honor the late Felix Mutschler and the well-established Weissenborn scholarship. Both funds are used to support future geology students and to keep the department a dynamic and vibrant place to learn about geology. If you have an extra dollar or two, consider contributing to either of these scholarships or to the general Foundation fund of the Geology Department.

*Ted Doughty, editor*

---

## Message From The Chair

---

I would like to take this opportunity to say hello to all of our former students. Most of the faculty you knew as students have now retired, or will soon retire. Mohammed Ikramuddin will retire in September. Gene Kiver retired two years ago and Jim Hoffman retired at the end of December 2000. Linda McCollum, John Buchanan, and yours truly represent the "Old Guard." Jenny Thomson joined the department as our mineralogist/petrologist in 1996 and Ted Doughty, formerly of Exxon Production Research Company, was hired as our structural/petroleum geologist in September 2000. Beginning September 2003, our newest faculty member will be Rik Orndorff who will assume his position as engineering/ environmental geologist. We have requested permission to hire a new geochemist to replace Mohammed for next year. If we are allowed to hire a new geochemist, we may be able to re-establish our Masters program beginning 2004. The new environmental program is up and running and we are beginning to see additional students entering our program under the geology option. The Geology Club is especially active this year with a dedicated group of officers in the tradition of Lloyd Fritz, Dennis Dole, Pavel Gerasimchuk, and so many others.

If you happen to be near the university, stop by and have coffee with Mohammed and me usually about 10 AM every morning.

*Ernie Gilmour, Chair*



**Students sketching an outcrop during the Spring 2003 field trip to Moab, Utah.**

---

## ***Geology Department Helps Start New Program***

---



### ***The New Environmental Science Program***

A brand new B.S. degree program in environmental science began at EWU in the fall of 2001 after enjoying rapid internal and legislative approval, and is presently nearing the end of its second year. The innovative program was formulated to meet a growing demand for professional and capable environmental scientists, as well as to integrate faculty teaching and research that spans three departments at EWU, including biology, chemistry and geology. It is *not* an environmental *studies* program that considers social and/or governmental issues.

Environmental science majors take a common but multi-disciplinary core of science and math courses while selecting an area of concentration for the remaining credits, in biology, chemistry or geology. The program is also designed to offer students a second B.S. degree in their major concentration area by attending a fifth year at EWU.

Be sure to check out the web site for more information about the program: [www.csmt.ewu.edu/envs](http://www.csmt.ewu.edu/envs)

*John P. Buchanan, Ph.D.*  
*Director, Environmental Science Program*



**Students examining an extraction well at a local land fill, April 2003.**

## ***What Have The Faculty Been Up To?***

### **John P. Buchanan**

Needless to say a lot has transpired since the last newsletter (January 1998!) and I don't know if I can efficiently summarize all of the highlights. During the spring of that year, Tom Miller and I returned to the Chiquibul cave system in Belize and Guatemala with National Geographic Society support, and continued mapping additional passage in that vast cave system that now stands at close to 70 km in length. Its exploration requires a lengthy stay underground – 7 to 10 days – in areas of the cave that are nearly 8 km from the nearest entrance/exit.

In terms of my more mainstream research interests, I continue to be deeply engaged in technical investigations of the Rathdrum Prairie/Spokane Valley aquifer system. I recently completed the first unified groundwater flow model of this bi-state aquifer system which was supported by Spokane County and the Idaho Department of Environmental Quality. In addition, I've evaluated several large commercial projects that had the potential to impact groundwater quality and quantity, and provided expert testimony regarding those projects. At present, nearly 3.5 million dollars of federal grant funding are being sought from Congress by Idaho and Washington in order to fund a comprehensive study of this important aquifer system, and EWU will certainly participate in the study. Also, a study of the Hangman Creek drainage basin is nearing completion (funded by the Spokane County Conservation District) where I was tasked with formulating a preliminary water budget for the basin, as well as characterizing the interaction between surface water and groundwater. Kevin Brown, a recent graduate from the department, was instrumental in the work performed during the study.

I continue to teach my usual rubric of courses and particularly enjoy the summer field classes to various national parks and other points of interest throughout the western U.S. in collaboration with Professor Thomson and Professor Schwab (Biology.)

I especially enjoy teaching my alternate-year spring break field trip to the Moab, Utah area, from which I have just returned with 14 excited students and two university vans filled with red sand. I have also become the director of the new Environmental Science Program at EWU (described elsewhere in this newsletter).



**Students slickrockin' in Moab.**



**Students at a typical Moab "watering hole."**

As always, I like to acknowledge the success of my recent graduate students: Deanna Clarkson completed her work in 1998 concerning "A reconnaissance of hydrogeology and groundwater quality in three hillside basins at the perimeter of the Rathdrum Prairie aquifer, Kootenai County, Idaho," while Chris Gearhart completed her research in 2001 on "The hydraulic connection between the Spokane River and the Spokane aquifer: gaining and losing reaches of the Spokane River from State Line, Idaho to Spokane, Washington." Kayti Didricksen completed her thesis during fall 2001 concerning a "Hydrogeologic assessment of the Swinomish Indian Reservation, Skagit County, Washington," and lastly, Doug Gearhart finished in the spring of 2002 with work on "A calibration study for the Colbert Landfill groundwater treatment facility, Spokane County, Washington." Sadly, the completion of these research projects has brought me to the sunset

of my graduate advising as the M.S. degree program in geology is still "shelved."

On a final personal note and for all of those aware of my longstanding position of confirmed bachelorhood, that too has come to an end. I became captivated by the siren call of a wonderful bat biologist, Donna Hensley, in 1998 and we were joyfully wed in December 2002 (no, *not* in a cave). You can check out some of Donna's bat conservation projects, and my astronomical imaging work in my backyard observatory, at our personal web site: [www.asisna.com/jbuchanan](http://www.asisna.com/jbuchanan)

### **Ted Doughty**

After joining the Geology Department's faculty in the fall of 2000, I'm finally settling into my role as the "new guy" in the department. That new guy label won't last long however as Rik Orndorff just joined our faculty (see the rest of the newsletter) and I'll get to finally pass that baton on. I have also been busy being the go-to-guy for structural geology in the Spokane area. My dissertation dealt with the geology of the Priest River complex in northern Idaho and eastern Washington, so I have been fielding lots of questions about the geology of the region and collaborating with state geologists in Washington and Idaho.

I came to Eastern through a rather circuitous route, having completed my Ph.D. at Queen's University (Kingston, Ontario) in 1995 and working at Exxon's research laboratory (Exxon Production Research Company) in Houston for four years after that. I then taught at Arkansas State University for one year before accepting the position at Eastern.

Since moving to Eastern, I have been extremely busy shifting from a petroleum geologist to a full-time faculty member and organizing courses. I talked various companies and organizations into donating seismic data to the department, and I have been revising the structural geology courses to incorporate seismic interpretation into the curriculum. The students have been responding well and seem to appreciate the applied nature of the course. The spring quarter Structure class also includes field methods so I have incorporated a series of new field trips into the classes during that quarter. We go to various localities around Spokane and spend one weekend mapping thrust faults along the Rocky Mountain Front near Augusta, Montana.

I've also developed several new courses that have been added to the department's curriculum. I've collaborated with Dr. Mike Conlin in the History department and taught a course on the

History of Science: Geology 1700-2000. Since the department now hosts the Environmental Science Program and there are numerous new majors interested in that field, I've designed a new course called Environmental Geophysics that I'll be teaching next fall. We'll explore the use of shallow geophysics (seismic, GPR, magnetics, resistivity) to solve environmental problems like finding buried tanks, depth to bedrock, and locating shallow graves.



**Structure class mapping in Montana.**

On the research side, I have been extremely busy (taxed would be a better word!) working on several projects. Soon after joining Eastern, I applied for and was awarded a grant from the Petroleum Research Foundation and the National Science Foundation. The first was to study the fault zone architecture of faults in the Rocky Mountains and their impact on hydrocarbon flow. Several undergraduates and I have been working on this project, mapping faults in Wyoming and Utah last summer and planning to go underground and examine faults in abandoned mines in the Silver Valley this summer. We've published a paper and a couple of abstracts so far. The second grant addresses a much more esoteric topic, namely the structural geology of the Boehls Butte area in north-central Idaho and its bearing on the configuration of the Precambrian Supercontinent Rodinia. Several students and I, as well as Andy Buddington at Spokane Community College, have been tromping around the woods of north-central Idaho dodging logging trucks and firefighters for the last two summers. The geology has been spectacular (some of the rocks contain all three alumino-silicate minerals), the camping excellent, and the mapping a wild experience (we used Honda 90 trail bikes last year and scared the locals with our neophyte knowledge of CB's and mile markers). So far, we've

not adorned the grill of any logging trucks and the scientific results have been very good. We anticipate publishing the results in the coming year. I have also been busy mapping the bedrock geology south of Spokane with Andy Buddington and Bob Derkey, the local WDNR geologist. I completed my Ph.D. on the geology north of Spokane, so working here is just a natural extension.

### **Ernest H. Gilmour**

I continue to teach invertebrate paleontology, introductory geology, and an intro course for K-6 teachers. I am also serving my second year of a three-year term as departmental chair. My research on Carboniferous and Permian bryozoans continues to take me to exotic and far-away places. Dale Stradling and I collected Pennsylvanian and Permian bryozoans from the Altai Mountains of Mongolia two summers ago. That was truly an exhausting and difficult expedition. Last spring, I collected Permian bryozoans from the Guadalupian formations in West Texas and managed to win the "Ugly Hawaiian Shirt" contest at the banquet of the South-Central GSA meeting held in Alpine, Texas. I recently presented a paper with Ed Snyder on the Permian bryozoans of the Mission Argillite, northeastern Washington, at the Cordilleran GSA meeting in Puerto Vallarta, Mexico. On a personal note, many former students from field camp will remember my daughter Laura who is now a freshman at the University of Montana; how time flies.

### **Mohammed Ikramuddin**

I intend to continue research on several projects after my retirement on September 1, 2003. One of the projects I am most interested in continuing is the chemical analysis of coffee and tea. I have been analyzing numerous brands of coffee and tea as well as brewed coffee and tea liquors for about 30 major and trace elements in order to evaluate the usefulness and/or harmful effects of these elements to humans. I have also been collecting and analyzing coffee samples from McDonald's restaurants and Starbucks coffee shops from several cities in the western United States and Canada. I am also interested in continuing my research on the use of lead isotopes in environmental studies.

### **Eugene Kiver (retired September 2001)**

There is life after retirement! Spare time fills rapidly. I now carry a pocket calendar to keep track of obligations, travel plans, short courses taken mostly with national park associations, volunteer

work, etc. that Barbara and I have. Much of our time is spent fulfilling our life-long motto that "You are only living at the highest level when you are out in the field." We are doing extensive camping in the Pacific Northwest but have gone as far as the Black Hills and southeastern Utah. In the last week of March we were hiking to Landscape Arch in Arches NP and encountered an EWU graduate who had taken my National Parks course! Small world, this was her day off from removing tamarisk (an invasive bush) from some of the drainages in the park.

I have been teaching one section of the national parks course during winter quarter and enjoy returning to the classroom and to work with students. This also helps in my research in revising the 5th edition of the "Geology of the National Parks" (Wiley & Sons publisher). Other research involves working on a trail log for the Columbia Plateau Trail State Park (a 260-mile long rails-to-trails project that runs from Fish Lake near Cheney to Ice Harbor dam along the Snake River near the Tri-Cities). I am also working on a paper describing the results of ten years of research on Gardner Cave in Crawford State Park near Metaline Falls. Many of you contributed to our understanding of Washington's third longest limestone cave by taking the Cave Research class and doing your own research project or helping with the cave map. Those were the good old days? Climbing and slithering through the muddy passages in the lower part of the cave!

Our big trip this summer will be to Alaska aboard the Snow Goose, a 65-foot research vessel. We will observe the coastal environment and best of all check out the icebergs in the Tracy Arm area. Fortunately, this is one trip that I won't be bringing samples back from (iceberg sampling presents challenges!).

### **Linda B. McCollum**

My second term of being departmental chair ended in the fall of 2000, so I have returned full time to teaching and research. Fortunately, I received a second National Science Foundation research grant for three years, and this has enabled me to continue offering the Cambrian research classes in late summer and the fall. This is a great opportunity for undergraduates to actually participate in scientific research, and the response continues to be very enthusiastic.

The NSF grant, along with smaller Northwest Institute grants, has allowed me to continue to study Cambrian trilobite faunas from the western U.S. and

to participate in a cooperative study of similar-aged faunas in South China. The grants also allowed me to continue to travel widely, attending field conferences in South China and Sweden in 1998, Argentina and Scotland in 2000, South China and the Galapagos in 2001, and Australia in 2002. I plan to return to South China in the summer of 2003.

A collaborative effort to describe the trilobite faunas of the Lower-Middle Cambrian boundary interval in the Great Basin and correlating these faunas to South China and elsewhere is nearing completion. Several publications and a number of presentations have resulted from this collaborative effort and are listed under my vita on the departmental website. You will also find there a chronology of my research in much more detail than space permits here.

My research interests in the Cambrian are now centered a little closer to campus with the discovery by Mike Hamilton and Bob Derkey, with the Washington Division of Natural Resources, of trilobites on a small hill adjacent to Clear Lake just a few miles from my office. The trilobites that they brought in for me to identify turned out to be the same types that I had been working on in the Great Basin, but had not previously been reported from the state of Washington. So significant is this occurrence that I put in for, and received, a Northwest Institute grant to study this fauna and compare it to another fauna near Lake Pend Oreille in Idaho.

I continue to teach Historical Geology during the spring quarter, which is the only class I teach in the major. I also teach the environmental geology course, which is required in the new interdisciplinary Environmental Science major. Other courses include World Resources and Population, a new course that meets the International Studies university requirement; a capstone interdisciplinary course on mining; and the general education course Geology 100.

### **Jennifer (Jenny) A. Thomson**

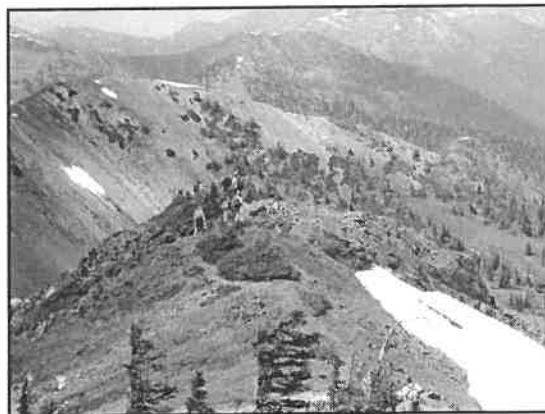
I joined the faculty in Fall 1996 and was awarded tenure in Fall 2002. I've been concentrating on teaching introductory geology, physical geology for majors, mineralogy, petrology, rocks and minerals, and continue to work closely with advising Earth Science Education students. I've published a couple of papers on my work in New England (The Canadian Mineralogist and Contributions to Mineralogy and Petrology) and have another one in the works with Dr. Charlie

Guidotti (University of Maine) and Dr. Darrell Henry (Louisiana State University) that should come out in 2003 in the Journal of Petrology. This paper deals with compositional variations in biotite and their relationship to geothermometry calculations in metamorphic rocks.

My term as President of the Pacific Northwest Section of the National Association of Geoscience Teachers ended but I still keep active in the organization by taking care of the web sites devoted to the Section.

In July 2002 I was invited to be an Associate Editor of The American Mineralogist and have kept quite busy with directing and evaluating papers submitted to the journal. I've handled about six papers (in the field of metamorphic petrology) so far and find it to be very satisfying work as it keeps me engaged in current research as well as providing me with the opportunity to work with petrologists and Associate Editors world-wide.

Two summers ago I was awarded a grant to incorporate technology into the classroom through the Teaching and Learning Center at Eastern and have been developing a digital database of field trips, photomicrographs, etc. I've also been extensively involved in the Critical Moments Project at Eastern as both a Project Manager and Team member. The Critical Moments project is aimed at retaining students of diverse backgrounds in the University.



Ridge hike on Sage to Sea trip

At the end of 2001 I tore the ACL in my right knee and had reconstructive surgery in April. The lengthy recovery interfered with much fieldwork that I had hoped to get done, but at least I was able to do all the hiking on the 2002 summer field course to the



North Cascades. This was a fun adventure that I co-taught with John Buchanan and Suzanne Schwab, and I look forward to our next adventure in summer 2003, Natural History of the Lewis and Clark Trail). I'll also be teaching three 2-credit courses for educators this summer.

Geology field trips are always an adventure. To read about a recent igneous and metamorphic petrology trip to the Bitterroots of Montana go to: <http://www.csmt.ewu.edu/csmt/geol/thomson/geo213/bitterroots.html>.

---

## **Staff News**

---

**Candy Oswald** (geo-commander) finally completed her BA in business administration and management information systems at EWU in 2001. She has been dabbling in 3D archery and mountain biking. Her daughter Libby (21) made her a grandma a few months ago and her son Graham (19) is an Army Airborne Ranger who spent six months in Afghanistan/Pakistan last year.

**Chuck Strout** (science instructional technician) continues to seek the ultimate polished thin section and occasionally teaches Geology 100 as the need arises. After cracking two helmets and one clavicle, he has given up extreme mountain biking (which actually involved trying to keep up with sons Isaak and Emmett—a lost cause!) and now rides more sanely on a custom bike built by Isaak. Sue also continues to work on campus teaching future geologists (four-year-olds) at Eastern's recently remodeled childcare center.

---

## **Former Faculty**

---

### **Bill Wilkerson and Felix Mutschler**

The spring of 2000 was a difficult one for the department as we lost two long-time faculty members within a month of each other—Bill Wilkerson and Felix Mutschler.

Bill passed away April 16, 2000. Bill joined the department in 1958 when it was still called the Department of Geography and Geology, and he was the only geologist. He retired in 1979.

Felix passed away May 9, 2000. Felix was hired in 1969 and quickly established the philosophy of 24-7 for the department. Over the next 31 years, it would be a rare occasion when the light in Felix's office would go out. As his many students can attest, Felix was the poster guy for the term workaholic. To this day, it's difficult to walk by his office, look through the door window, and not see him working away at his desk. Felix had retired in 1995, but still worked every day right up to his passing. We miss him very much.

### **Bill Steele**

Report from the North Woods. Professor Steele, who took early retirement in 1997, reports that he is

enjoying his new lifestyle in northern Minnesota. He and Carol are particularly appreciative of the sparse human population and the abundance of wildlife. Bears crossing the road and an occasional wolf in the backyard make life interesting. However not so much fun occurs when your Geo Metro becomes intimate with a deer!

### **Marty Mumma**

Marty has retired from teaching and lives at the south end of Flathead Lake in Montana. Marty has turned his hobby of woodworking into custom building of high-quality and specially-designed furniture.

### **James Snook**

Jim retired to Whidbey Island in the Puget Sound area of western Washington. He is still involved with the Coast Guard Auxiliary and is enjoying the life of the retired.

---

## Alumni News

---

Jon Fancher (BA, 1983) is an environmental engineer with CH2M Hill Hanford working on cleanup of mixed waste. In the fall, both of Jon's sons will be attending WSU. His wife Joanne is a speech therapist for Kennewick School District. Geology alums Jon Fancher, Tom Resch (BS, 1983), Brent Barnett (MS, 1985), Joan Woolard (BS, 1983), and Danny Parker (BS, 1983) frequently get together to reminisce days at EWU.

After an extended job-related stint in Malaysia, Chris Jones (MS, 1992) finally returned to the Spokane area with his new bride, Wei Tumuchi. In tow were their three girls and two boys, all now excelling in local public schools. He says that when the family goes camping, it looks like a village. As the oldest one insists on teaching Dad to use chopsticks, Chris pursues a sales career while acquiring rental properties in Felony Flats.

Scott Stevens (BS, 1976; MS, 1984) has been working for Intergraph Solutions Group for 18 years. He is a contractor on-site at NASA's Marshall Space Flight Center in their Environmental Engineering Department. He works as a GIS Consultant and specializes in data management, web development, and GIS for their CERCLA program. He has been at MSFC for eight years, following 10 years developing geologic and environmental software. Before joining Intergraph, he spent six years as an exploration geologist. He is happily married to Suzi, who is busy managing their household. His daughter Dawn recently graduated from Auburn University, majoring in English. His son Eric is a sophomore at Auburn University.

Crague Biglow (MS, 1986) has been working as a Hydrogeologist for the Minnesota Pollution Control Agency since 1987. He lives with his wife Sally and two boys in Burnsville, Minnesota (a suburb of Minneapolis). His greatest challenge these days is coaching 4<sup>th</sup> grade baseball, which he says is "a hoot!"

David Flint (BS, 1980) is a Technical Expert in cave management for P.T. Freeport Indonesia. He received his master of science from the University of Nevada, Mackay School of Mines, in Reno. He and his wife Julie have two sons, Justin and Matthew.

Bruce Bjornstad (MS, 1980) is a senior research scientist working as a hydrogeologist at Battelle. He is working with Dr. Kiver (retired EWU faculty) and others to establish an Ice-Age Floods National Geologic Trail and preserve its many unique features for posterity. He is still a dedicated and happy bachelor. He spent a month in Malaysian Borneo last fall and plans to go to Indonesia this fall.

Mark Mihalasky (MS, 1988) is a Visiting Assistant Professor with the Faculty of Natural Sciences and Mathematics at Richard Stockton College of New Jersey. He and his wife Francine have two boys, Michael (5) and Matthew (2), and are expecting another child in June.

Katy McKerney (BS, 1982) is working for the Alaska Department of Environmental Conservation in Juneau. She switched jobs a couple of years ago from being the Water Quality Standards Coordinator to the statewide lead for seafood industrial discharges. Her job is basically to inspect shore-based, near-shore and offshore seafood processing facilities/vessels and permit them. She reports that it is too much work for one person, so she just does the best she can and works with the EPA. Her partner/fiancé' Dan LaForce is a general contractor in Juneau. Katy has decided that she is an Alaskan and doubts that she will ever actually move from there. She enjoys too much the bounty of wilderness there and the adventure potential around every bend. She will travel but will return to the fjords of SE Alaska as her home.

Hossain Nazarian (MS, 1980) has over 22 years of oil and gas exploration experience including proven skills in 2D/3D seismic data processing, interpretation, attribute analysis and seismic modeling. He is an Onshore Geophysicist with Noble Energy (formerly Samedan Oil Corporation) in Houston and is currently working on the Rocky Mountain and East Texas areas. His wife Azam is a Civil Engineer and they have two daughters, Negin (16) and Niloufar (11), and a son Amir (7).

Barbara Gordon's (BS, 1983) employment has been quite varied in the last 20 years. She had a short stint as an asbestos inspector manager for a short time, then she spent eight years making soils maps in Yakima and Kittitas Counties for the USDA Soil Conservation Service—2 years on the Yakima Training Center Soil Survey located between Ellensburg and Yakima, and 6 years mapping cropland and rangeland in Kittitas County extending from the Columbia River up through Cle Elum, Washington. She returned to school in 1996 and received a degree in Business Administration. She then began a Master's program in Organizational Development and halfway through obtained her teaching credentials in Special Education. She is now working with students with disabilities and helping them transition into the workforce after graduation. Part of her time is spent teaching special education and general education classes. She hopes to finish the Master's degree later this year or next. She has found working in special education to be very rewarding and hopes to stay

active in education or in administration for the rest of her career, although she is leaving the door open to do soils/environmental consulting in the summers. She has two granddaughters in high school who live in Ellensburg.

For over 10 years, Karen Thompson Burow (BS, 1983) has been working for the U.S. Geological Survey in Sacramento, California, where she designs and manages regional and national-scale studies of ground-water quality. Her career interests include the development of new methodologies to understand physical and chemical processes affecting ground-water quality at regional scale, using chemicals as tracers and employing tools such as heat and solute transport modeling and geostatistical analysis. She has three wonderful kids, ages 4, 16 and 17, and enjoys backcountry skiing in the winter and log road trips to the Rockies or the desert Southwest in the summer. She has begun her own research into autoimmune diseases, since her oldest son was diagnosed with an aggressive form of Crohn's disease one year ago.

Chris Carusona (BS, 2000) has worked as Physical Scientist for the Bureau of Land Management in Lander, Wyoming, for three years. His work includes, but is not limited to, making Environmental Assessments for oil and gas development and inspecting oil and gas fields for Federal Minerals and for the Wind River Indian Reservation. He and his wife have two sons, Tilson and Andrew, and a daughter Raquel.

John Wozniewicz (MS, 1989) has been working for Golder Associates since the day after he left Cheney in 1989. His wife Rhona is from Scotland, but has been a resident of Denver since 1993. They have a son Eric and another child on the way. In July, they are moving from Denver to Calgary, Alberta, as part of an inter-company transfer. He will support the oil sands development in northern Alberta and plans to continue developing his fly fishing skills.

John Yajko (BAE, 1992) just completed his 10<sup>th</sup> year at Battle Ground High School in southwestern Washington, where he teaches geology and physical science. His wife Chris (Jamison) is a 1993 graduate of the University of Montana. They have two children, Travis (4) and Allison (1).

Joju Abraham (MS, 1994) is a Senior Research Associate at Texas Institute for Applied Environmental Research at Tarleton State University. He is still single and lives as a graduate student. He says that one of these days, he hopes to find a different job and move on to a different place, perhaps in the East (after starting off in the West).

Nasir Aziz (MS, 1995) and his significant-other Maricel visited Cheney last spring to attend the Spokane Symphony at EWU. They were two of the models for last year's EWU merchandise catalog. His company Net2Trak just went through a big merger and will be expanding globally in years to come. He is the Chief Technology Officer and is in the process of relocating to Vancouver, B.C. to expand his business. He served for a year as an officer in Eastern's newly-revitalized EWU Puget Sound Alumni Chapter and was one of the featured alumni at the Civic Breakfast on April 1<sup>st</sup> at the Four Seasons Hotel in Seattle, where Steve Balmer was the keynote speaker. He is currently working on producing promotional DVD for EWU.

Bill Capaul (BS, 1980) lives in Coeur d'Alene, Idaho, with his wife Marianne and three teenage sons. He is a Geologist for the Idaho Transportation Department, District One. He would like to hear from others from or near the Class of 1980.

Fritz Durham (MS, 1993) is a Project Geologist with Olympus Technical Services, a geotechnical/environmental firm in Boise, Idaho. Since 1997, he has been traveling in the local mountains for various outdoor-related activities. In 1999, he became an Idaho Professional Geologist. He has been conducting continuing education in Thai-Chinese food preparation and consumption since 2001, and the fermentation of local grapes to produce chardonnay and merlot since last year.

Tom Hanneman (BS, 1981) is an environmental engineer/geologist for Earth Tech, Inc. in Honolulu. He and his wife Rizalina have a daughter Tabitha (13).

Mark Milliken (MS, 1981) is a petroleum geologist for Critique, Inc. at Teapot Dome Field in Casper, Wyoming. His job entails reservoir flow modeling using 3D seismic data in preparation for an upcoming experimental CO<sub>2</sub> EOR project. He and his wife Sandra have two children, Emily (12) and Eric (14), but so far neither have shown any interest in becoming a geologist.

Dennis Murray (MS, 1998) is the Northeastern Washington Water Cleanup Project Lead for the Department of Ecology's Water Quality Program. He and his wife LaRae live at Waitts Lake with their daughter Madesen (9). He wants to let people know that Waitts Lake is no place to fish because the fish are diseased.

Rob Rau (MS, 1987) works on environmental projects for government clients at the consulting firm Booz Allen Hamilton in Seattle.

Bruce Siegmund (MS, 1991) is currently working on wetlands and stream mitigation on US Highway 93 north of Missoula, US Highway 95 between Moscow and Lewiston, and a few other locales for Entranco in Helena, Montana. He is also doing some ground-water work, but is happy to finally be applying the fluvial geomorphology work that he's wanted to do for a decade. His son Carl is dwelling in his basement, desperately seeking a tech job (all offers entertained!), and his daughter Deanna is a senior at Helena High, ready to graduate and attend the University of Montana. Bruce still plays a little guitar, but has expanded to more bizarre instruments, including sitars and bouzoukis. He reports that life is good and the trout are big!

Rob Walker (MS, 1991) is the quarry manager for the cement operations of RMC Pacific Materials. He spends most of his time dealing with permitting issues and managing a union crew. He rarely gets to do any geology. Louis Schipper (MS, 1979) is the Environmental Manager for the company. Rob's son Jeff just completed his junior year at USC, where he is majoring in creative writing with a film minor, and has been interning at a couple of small production studios—writing script summaries and taking the director's dog to the vet (a good use of a high-priced education). His son Danny just finished his freshman year at Loyola Marymount, majoring in film production, and is back home looking for a summer job. He has a niece who is also living at his house.

Ted Olson (MS in hydrogeology, 1975) is in his 38<sup>th</sup> year with the Washington Department of Ecology as a licensed civil engineer and recently became a licensed geologist and hydrologist, where he is engaged in flood damage mitigation and technical assistance in cooperation with FEMA. He is a new member of the EWU College of Science, Math and Technology's Advisory Board and is a 20-year member of the citizen advisory committee for the Water Resource Program at Spokane Community College. He still plays handball 2-3 times a week and golfs as the season permits.

Bill Deobald (BS, 1993; MS, 1995) and his wife Suzanne live in Wake Forest, North Carolina, and work in Raleigh. He has been with MACTEC Engineering (formerly Law Engineering) since 1997 and worked on assessments of petroleum-contaminated sites for their environmental department during the past three years. He recently rejoined their geotechnical group and currently works on bridge and roadway foundation projects.

Mike Koenig (BAE, 2001) went home on vacation last summer, got a job, moved 2000 miles, and simply started life over again. Needless to say this past year has been a real roller coaster ride. He is currently teaching science to 6<sup>th</sup> and 7<sup>th</sup> graders at Clayton Downing Middle School in Flower Mound, Texas, and passed his Texas state teaching exams with flying colors. His wife Luwana is teaching reading recovery to 1<sup>st</sup> graders at Flower Mound Elementary. It was an interesting year for both of them. Their oldest son Thomas joined the Navy, went to Michigan, Florida and California, and is currently on a carrier out in the Pacific fixing airplanes and not due back for several more months.

Calvin Landrus (BS, 1983) was a pastor at New Hope Church until last June. Now, he has combined something his field camp class saw him doing, climbing, with ministry. He is the director of a national group of climbers called Solid Rock—Climbers for Christ, which has about 500 members across the United States who share God's love with the climbing community. He and his wife Jan have lived in Bend, Oregon, since 1990 and are into their 18<sup>th</sup> year of marriage. They have three wonderful children, Jessica (14), Hanna (12) and Jaxson (8) and are enjoying being a family, facing the challenges of day-to-day living and focusing on having fun together.

Frank Oliver (BA, 1982) works for the USGS Water Resources in Tucson, but has applied for a position with the Forest Circus in the Black Hills. He doubts he will get an offer though, since the Forest Circus likes to hire young guys who can help put out big fires, not old grompers like him who are already burnt out. His wife Charel is a high school English teacher in Casa Grande. Frank is hoping that by the end of summer she will have finished painting their house, getting the swimming pool hole excavated, and laying the bricks for their patio. He got her a masonry trowel and level for her birthday, and a new shovel and wheelbarrow for Mother's Day. He managed to skip entirely raising any children of his own and slipped directly into grandkids. Charel's son Jim in Phoenix has 7-year-old twins, Al and Kyleigh, and an infant Matthew, who he is crawling around the house and will be probably be running around outside any day now. Jim is a computer geek who makes an obscene amount of money. Charel's daughter Jodi is married to a golf pro in Oceanside, and they have two little girls, Rachel (3) and Amber, born last month 11 weeks premature, but she is already big as a nice-sized trout. They expect she will be out of the neo-natal intensive care unit by July 4<sup>th</sup> and scampering around out in the yard pretty soon too. They also have two ornery old cats.

Grant Newport (BS, 1979) has worked for Weyerhaeuser Company for the last 17 years and is currently Manager of Mineral Resources at their corporate headquarters in Federal Way, Washington. Weyerhaeuser has roughly 35 mines and over 700 producing oil and gas wells. He manages the hard-rock side of the business, which consists of developing new projects as well as their existing operations. Previously, he worked for US Borax, Kennecott and SOHIO. Grant and his wife have four children. Their oldest graduated from American University in Washington D.C., and she works in the national defense

industry. A son is finishing his freshman year at EWU and is considering majoring in Criminal Justice. Another daughter will be attending Fordham University in New York City this fall. Their youngest will be a junior in high school.

Ming-Ho Du (MS, 1979) and his wife Mei-Ling do not have children of their own, but are content to pretend parenthood to their many nieces and nephews from time to time. He has been a consulting exploration geologist working in the field of satellite imagery interpretation for over eight years, which he has found interesting and rewarding most of the time. Any old schoolmates who want to contact him can send email to [ming@image2map.com](mailto:ming@image2map.com) or call 303-470-8189. He would particularly like to contact a long lost friend, David Rollins (1979); please send him a tip if you know where he is.

Joyanto Routh (MS, 1993) has been a Forskarassistent in Biogeochemistry, literally translated an Assistant Professor, at Stockholm University for over three years. He has two Ph.D. and two M.S. students working with him and is recruiting more, so let him know. He has a 14-month old at home, "Battle Cruiser Josh." Anything within 1 m reach is game and needs to be partly taken down if possible. His wife Piya works as the resident obstetrician in a hospital. They recently bought a townhouse in the suburbs and are still settling down. He will be in New Orleans for several weeks working with a colleague who was in Sweden recently to help collect samples out in the forests.

Bill Heissenbuttel (BS, 1993) has been the Director of EWU Software Support for eight years. He lives in the wonderful burg of Spokane Valley, Washington. His wife of 6 years, Maya, is an 8<sup>th</sup> grade science teacher at Bowdish Middle School. Geology is still one of his passions (can't pass an interesting roadcut without stopping). Other interests include car restoration (currently working on a 1970 Mini Cooper S), camping and mountain biking. He can be reached at [bill@heissenbuttel.com](mailto:bill@heissenbuttel.com).

Ernest Wright (MS, 1979) is still with Phelps Dodge in Bisbee, Arizona, where he lives with his wife Victoria.

Chuck Gulick (MS, 1987) is a Geologist at Washington Department of Natural Resources and is involved primarily with surface mine reclamation. His wife Pat teaches at Lincoln Heights Elementary in Spokane and they have three children--Ted (16), Liz (14) and Ben (10).

Owen Lavin (BS, 1973) is currently Chief Geochemist for Newmont Mining in Denver, Colorado, where he lives with his wife Cynthia. He has two daughters, Megan (18) and Mallory (15).

---

## **Scholarships and Donations**

---

Contributions to our scholarships and general fund from alumni and friends is one of the reasons why the Eastern Geology Department is such a great place for students and faculty. As you know, we have long asked for contributions to the Rock Rollers Scholarship and Weissenborn Scholarship, which have supported many of our best and brightest students throughout the years. In these trying budgetary times, the Geology Department needs your support now more than ever. If you have a spare dollar or two, don't forget about us. If helping out with a cash donation isn't your style, we're always looking for creative ways to fund our programs and field research. If you have something lying around that you don't need anymore and you think that we could use, don't be shy about contacting us. We'd be happy to talk about accepting your donation and possibly giving you a tax break from Uncle Sam!

### **Recent Student Award Winners**

#### **Honors Graduates**

|   |                                      |
|---|--------------------------------------|
| 1998 Outstanding Senior                 | Roy Flynn                            |
| 1999 Outstanding Geology Graduates      | Derrick W. Chase and Jon R. Oblad    |
| 2000 Outstanding Geology Graduate       | Pamela M. Cossette                   |
| 2001 Outstanding Graduates              | Nicole Depping and Michael C. Koenig |
| 2002 Outstanding Geology Graduate       | Kevin M. Brown                       |
| 2002 Outstanding Earth Science Graduate | Adam G. Strate                       |
| 2003 Outstanding Geology Graduate       | David M. Cleveland                   |

#### **Weissenborn Scholars**

|           |                   |
|-----------|-------------------|
| 1997-1998 | Roy Flynn         |
| 1998-1999 | Jacqueline Sigmon |
| 1999-2000 | Mary Carlson      |
| 2000-2001 | Tracy Rehwald     |
| 2001-2002 | Brian Booth       |
| 2002-2003 | David Cleveland   |

#### **Rock Rollers Scholars**

|           |                                 |
|-----------|---------------------------------|
| 1998-1999 | Jon Oblad and Sue Carothers     |
| 1999-2000 | Sue Carothers                   |
| 2000-2001 | Rebecca Pitts                   |
| 2001-2002 | Jeremy Larsen and James Newton  |
| 2002-2003 | Christine Tuggle and Andy Wiser |

#### **Rennebohm Scholars (University Scholarship)**

|           |  |
|-----------|--|
| 2001-2002 | David Cleveland, Deacon Band, and Laureen Savage |
| 2002-2003 | Toni Voile                                       |

#### **Mutschler Scholar**

|           |                |
|-----------|----------------|
| 2002-2003 | Laureen Savage |
|-----------|----------------|

## The New Mutschler Scholarship

Since our last newsletter, there have been many changes in the department, none of which has been felt more keenly than the passing of Dr. Felix Mutschler, Professor of Geology from 1969 to 1995. To honor Dr. Mutschler, Jim Hoffman and Ted Olson created an endowed scholarship that has received an enthusiastic response from alumni and friends. Below, Dr. Hoffman and Mr. Olson update you on the status of the scholarship.



*Dear Alumni and Friends:*

*Two years ago we wrote to you requesting your help in establishing an endowed scholarship in the memory of Dr. Felix Mutschler. We are pleased to report that with your help, we raised the \$10,000 minimum needed for the endowment and that the first Mutschler Scholarship was given last fall to Ms. Laureen Savage, a graduate of Gonzaga Prep in Spokane. This scholarship for \$600 will certainly help this young lady, but we really need to do more.*

*This past year, the state budget reductions to higher education were offset in part by a significant increase in tuition. For EWU, that increase was 14% in one year and it consumed over two-thirds of the value of this scholarship. The state budget forecast for the next two years is equally bleak, and the prospect remains for at least two more years of very significant increases in tuition.*

*We would like to ask your help once again to help us increase the endowment of the Mutschler fund, so that the scholarship award in the future can be at least \$1000. That amount would almost cover the current tuition of \$1119 for one quarter, but still falls well short of the \$3357 tuition for a full year. Further, an increased award amount will help us recruit better science students to EWU, and the Geology Department in particular.*

*If the legislature continues down the same path it has been following, then the prospect is very real that tuition for a year at EWU will exceed \$4000 within the next two years. We hope that you will help us and future Eastern students by giving generously to help us reach the next goal of awarding a minimum of \$1000 Mutschler Scholarships.*

*Sincerely yours,*

*James I. Hoffman  
Professor and Provost Emeritus*

*Theodore (Ted) Olson  
Alumnus & Advisory Board Chair*

## Alumni and Friends Contribute Generously

### **FELIX E. MUTSCHLER SCHOLARSHIP**

3D Ranch  
Douglas B. Barnett  
Barrick Goldstrike Mines, Inc  
Mr. and Mrs. Andy Berg  
John P. Buchanan  
Karl D. Burke  
Karen R. Burow-Fogg  
Paul J. Burton  
Dennis C. Collins  
Curtis D. Cushman  
Kathy L. Davis  
Ming-Ho Du  
Joyce M. Duval  
Carol M. Eckart  
Mr. and Mrs. Dan W. Fears  
David L. Gaskill  
Ernest H. Gilmour

Tony L. Gordon  
Mr. and Mrs. Charles W. Gulick, III  
Ray Hahn  
Mr. and Mrs. Dean G. Heitt  
Mr. and Mrs. Michael S. Henson  
Dr. James I. Hoffman  
Brian W. Hutchinson-Ramm  
Mohammed Ikramuddin  
Mr. and Mrs. Donald B. Kennedy  
Gary A. Kingston  
Eugene P. Kiver  
Nancy E. Maguire-Moffitt  
Linda B. McCollum  
Charlie Mutschler  
Denise R. Mutschler  
Hossain Nazarian  
Newmont Mining Corporation  
Iain A. Olness  
Ted and Susan Olson  
Bill Patterson

Phelps Dodge Foundation  
Alex M. Podruzny  
John D. Robinson  
Celine M. Rowicki  
Theresa J. Sheckells  
Edward M. Snyder, Jr  
Mr. and Mrs. Jan A. Steigerwald  
Jennifer A. Thomson  
Cliff Watkins  
Ernie Wright

### **GEOLOGY DEPARTMENT FOUNDATION**

John W. Aiken  
Mark Ansell  
Evan V. Amtzen  
Sherrie L. Arruda  
Timothy Baerlocher  
Mr. and Mrs. Craig A. Bagdon

Rebecca M. Beardsley  
 Bechtel Foundation  
 Greg W. Behrens  
 Michael R. Berry  
 James A. Blake  
 Beverly E. Bockman  
 Russell C. Boggs  
 Alan R. Borgens  
 John P. Buchanan  
 Karen R. Burow-Fogg  
 Mr. and Mrs. Jim Coker  
 Teck Cominco American  
 Bob Coombs  
 James L. Curtis  
 Curtis D. Cushman  
 Thomas L. Davis  
 Doug I. Dennison  
 Eric E. Dickson  
 Dow Corning Corp  
 Mr. and Mrs. Fred T. Downs  
 Rebecca L. Durall  
 Carol M. Eckart  
 Mr. and Mrs. Stanley A. Ellison  
 David R. Ernst  
 Geraldine E. Esch  
 Mr. and Mrs. Jon Fancher  
 Robbin W. Finch  
 Michelle J. Fitzgerald-Cox  
 Tracy F. Fjeseth-Stoops and Thomas  
 M. Stoops  
 Lloyd G. Fritz  
 Ernest H. Gilmour  
 Tony L. Gordon  
 William A. Graham  
 Dr. Alexander P. Greer  
 Jim Greeves  
 Mark E. Griffin  
 Ray Hahn  
 Gary B. Hammond  
 Mr. and Mrs. Don K. Harz  
 Mr. and Mrs. Michael S. Henson  
 Mr. and Mrs. Perry C. Higman  
 Michael D. Hoffman  
 Dr. James I. Hoffman  
 David G. Holt  
 Bill J. Horwath, Sr.  
 Curt A. Hughes  
 Brian W. Hutchinson-Ramm  
 Hydrosolutions Associates  
 Paul C. Hyndman  
 Mohammed Ikramuddin  
 Margaret L. Jack  
 Doug Jayne  
 George J. Kakatsakis  
 Mr. and Mrs. Harold F. Kemple  
 Gary A. Kingston  
 Eugene P. Kiver, PhD  
 Mr. and Mrs. Mark R. Kreiter  
 Mr. and Mrs. Douglas E. Ladwig  
 Robert H. Lambeth  
 Andrew M. Leszczykowski  
 Lockheed Martin Foundation  
 Lloyd W. Long  
 Nancy E. Maguire-Moffitt  
 Kyle Martin

Anita L. Martinez  
 Mr. and Mrs. John S. McBeth  
 Linda B. McCollum  
 Katy McKerney  
 Kenneth J. Mitchell  
 Thomas C. Mooney  
 Kenneth L. Moore  
 Dennis G. Murray  
 Felix E. Mutschler  
 Noranda Foundation Ltd.  
 Jay M. O'Donnell  
 Matthew W. Olstad  
 Harvard C. Peiron  
 Robert A. Pinotti  
 Mark W. Powers  
 Darrell R. Reed  
 Rhythm Response, Inc.  
 Robert J. Ries  
 Safeco Insurance Company  
 Robert H. Salter, Jr.  
 Louis B. Schipper, III  
 Timothy M. Severns  
 Stacia R. Simpson  
 Mr. and Mrs. John W. Spracklen  
 William K. Steele  
 Rene B. Sullens  
 Thomas M. Sweeney  
 Jennifer A. Thomson  
 Michael J. Turner  
 Michael A. Urtaza, Sr.  
 John F. Wark  
 Jim Werle  
 Mr. and Mrs. Michael J. Wilson  
 Mark S. Wiser  
 Ernie Wright  
 John C. Yajko  
 Carl R. Yost  
 Phylis J. Zoller

### **ROCK ROLLERS SCHOLARSHIP**

Dean Angstrom  
 Annalee Butts  
 Cleve R. Flowers  
 Rock Rollers, Inc.  
 Flo M. Storey  
 Wilbur Gem & Mineral Club

### **WEISSENBORN SCHOLARSHIP**

Patrons (\$1,000 or more)  
 AIME - Columbia Section  
 AIME - North Pacific Section  
 Women's Auxiliary of AIME, Spokane  
 Section  
 Asarco Foundation  
 Ernest H. Gilmour  
 James I. Hoffinan  
 Annette W. Meck-Gordon  
 Joseph E. Worthington  
 Weissenborn grandchildren—Billi, Sally  
 & Ted Worthington  
 Weissenborn daughters—Helen,  
 Annette, Dee

### Donors (\$100 or more)

Able Technologies  
 Randall L. Anderson  
 Mr. and Mrs. Andy Berg  
 Bruce N. Bjornstad  
 Russell C. Boggs  
 David E. Boleneus  
 Karl D. Burke  
 Curtis D. Cushman  
 Steven J. Drussell  
 David R. Ernst  
 Mr. and Mrs. Jon Fancher  
 David C. Flint  
 Freeport-McMoran, Inc  
 Geology Club Of EWU, 1991-1992  
 Tony L. Gordon  
 Mr. and Mrs. Rich Hall  
 Gary B. Hammond  
 Mohammed Ikramuddin  
 Robert J. Kellie  
 Gary A. Kingston  
 Eugene P. Kiver  
 Oskar Kortan  
 Clyde Y. Hosokawa  
 Lloyd W. Long  
 Michael W. Maher  
 Kyle Martin  
 Linda B. McCollum  
 Katy McKerney  
 Felix E. Mutschler  
 Northwest Mining Association  
 Piedmont Mining Company  
 Charles T. Resch  
 Billie A. Stanton  
 Heyward M. Wharton  
 Helen W. Worthington  
 Ernie Wright  
 Carl R. Yost  
 Dee Young

### Contributors (up to \$99)

Amax, Inc.  
 Mr. and Mrs. Eskil Anderson  
 Mark Ansell  
 Evan V. Arntzen  
 Donald R. Baldwin  
 Effie L. Boak  
 Kathleen H. Bone  
 Alan R. Borgens  
 Donna R. Bruce  
 Karen R. Burow-Fogg  
 Martha M. Bush  
 CBS Corporation Foundation  
 Thomas L. Davis  
 Doug I. Dennison  
 Eric E. Dickson  
 Mr. and Mrs. Stanley A. Ellison  
 Robbin W. Finch  
 Tracy F. Fjeseth-Stoops and Thomas  
 M. Stoops  
 Lloyd G. Fritz  
 GD Pump and Supply  
 Elinor F. Grancher  
 Jim Greeves



Mr. and Mrs. Charles W. Gulick, III  
 Ray Hahn  
 Thomas Hattenburg  
 William C. Hawley  
 Dr. Bill Hoekendorf  
 Michael D. Hoffman  
 David G. Holt  
 Bill J Horwath, Sr.  
 Doug Jayne  
 Stanley Johnson  
 Mr. and Mrs. Gregory D. Jones  
 Mr. and Mrs. Mark R. Kreiter  
 KT And R Consultants  
 Mr. and Mrs. Douglas E. Ladwig  
 Sarah W. Lehmann

Mr. and Mrs. Norman J. Lehrman  
 Andrew M. Leszczykowski  
 Dee W. Lloyd  
 Nancy E. Maguire-Moffitt  
 Mark D. Milliken  
 Kenneth J. Mitchell  
 Marjorie R. Morrison  
 Scott E. Morrison  
 Susan Navran  
 Hossain Nazarian  
 Newmont Mining Corporation  
 Mr. and Mrs. Phillip C. Nisbet  
 Iain A. Olness  
 Matthew W. Olstad  
 Howard M. Orlean

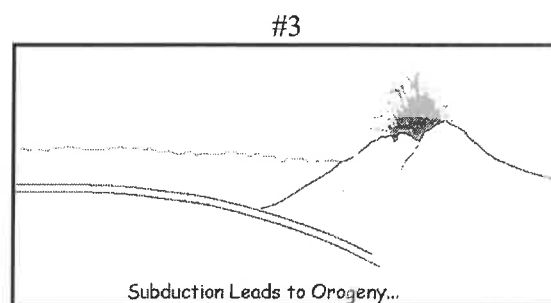
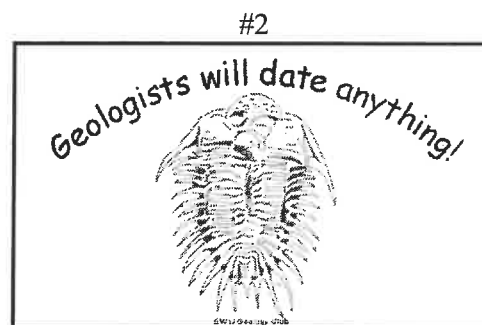
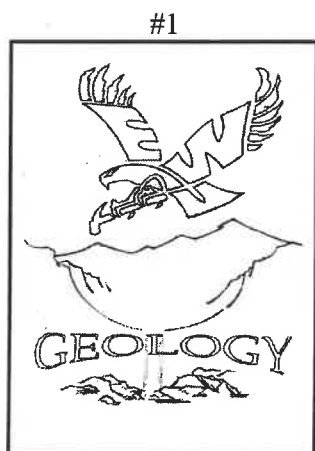
Pegasus Gold Corporation  
 Brenda J. Phillips  
 Richard L. Roberts  
 John A. Rupp  
 Mr. and Mrs. David K. Soderlund  
 Michael J. Turner  
 Brad Vandekamp  
 Waterford Apartments Rehabilitation  
 Jim Werle  
 Rachel F. Wexler and Michael S. Johnson  
 John V. Wozniwicz  
 Leo E. Young, Jr.

## Extra! Extra!

### Geology students sell T-shirts to fund trip to 2003 GSA meeting in Seattle

The EWU Geology Club is a student-run organization that organizes and supports activities for the geology students at Eastern. They are currently raising money to attend the 2003 Geological Society of America meeting in Seattle.

If you would like to support the EWU Geology Club (and get a cool T-shirt), consider ordering one of the three T-shirt designs shown below. Specify white or gray, \$15 for short-sleeve and \$18 for long-sleeve.



To place an order, contact the Geology Club at:

Geology Club  
 Eastern Washington University  
 130 Science Hall  
 Cheney, WA 99004  
 EWU\_geology\_club@hotmail.com

---

## ***That's All Folks***

---

Well, that's the news from Eastern for this year. Feel free to drop by anytime for a visit or to send us an email. We always like to hear from our alums.

Be sure to visit our web page at <http://www.geology.ewu.edu/> for current news.

Please fill out the sheet below and mail it back to us with some news about what you're doing and what you've been up to. We'd like to know what's going on in your life and hopefully we can include some of the news in the next newsletter.

.....

### ***Alumni Information***

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Email \_\_\_\_\_

Employment and Personal News \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### ***Contribution to Scholarships or General Fund***

Amount \$ \_\_\_\_\_ (checks payable to *EWU Foundation*)

Please place my contribution into the following fund:

Mutschler \_\_\_\_\_ Weissenborn \_\_\_\_\_ Rock Rollers \_\_\_\_\_ Geology Foundation Fund \_\_\_\_\_

Thank you for your support!

Mail this form to:

Department of Geology  
 Eastern Washington University  
 130 Science Hall  
 Cheney, WA 99004