The Board normally meets the first Tuesday of each month at 7:00 AM; all members are invited to attend. Please contact a Board Member to confirm time and location.

Letters, articles, announcements, ads, etc. must be received by the Editor by the end of the third full week of the month preceding publication. The CPG normally goes to print the last week of the quarter. Letters, articles, ads, announcements, etc. accepted on a space available basis. Submission of articles, etc. via e-mail is the preferred method; copy can be accepted in most PC formats, but DOC or DOCX are preferred. Call or e-mail David Abbott for details on submission of copy or advertising at 303-394-0321, dmageol@msn.com.

Cover photo: Prof. Bill Hoyt by the remains of the generators of a power plant in the Big Thompson Canyon that was destroyed by the July 31, 1976 flood. After the 1976 flood, the site was converted to the Viestenz-Smith Mountain Park of the Loveland park system. The Viestenz-Smith Mountain Park was destroyed during the September 2013 floods and the turbine remains are no more. Photo taken Saturday, October 5, 2002 during a Student Day field trip by David Abbott.

Change of Address or email:
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Stewardship: the conducting, supervising, or managing of something; especially: the careful and responsible management of something entrusted to one’s care. (http://www.merriam-webster.com/dictionary/stewardship)

Stewardship is an ethic that embodies the responsible planning and management of resources. The concepts of stewardship can be applied to the environment and nature, economics, health, property, information, theology, etc. (https://en.wikipedia.org/wiki/Stewardship)

Stewardship has been a focus of the AIPG-CO ExCom of late. We had a 3-hour session the evening of May 19th to discuss this topic in depth. Of course, stewardship is always the responsibility of the ExCom, but economic times have necessitated a review of how we fulfill our responsibilities to the AIPG-CO Section.

Our bylaws provide some general guidelines in the statement of purpose:
1.2 Purposes
The purpose of this Section shall be to further the purposes of the Institute within the territory assigned to it. In. furtherance of its purpose as a component of the Institute, this Section shall have the following additional purposes not inconsistent with those of the Institute:
1. to represent the members of the Institute assigned to this Section through the Section’s delegate on the Advisory Board of the Institute;
2. to encourage nonmember geologists within the territory of this Section to obtain the qualifications for and to apply for membership in, or affiliation with, the Institute;
3. to assist in the screening and selection of applicants for membership or affiliation in accordance with the Bylaws, policies, procedures and directives of the Institute;
4. to monitor and influence legislation and regulation affecting the professional activities of geologists within the territory of this Section, in accordance with the legislative and regulatory goals and objectives of the Institute and the Institute’s Policy on Advocacy;
5. to promote the professional awareness and technical skills of geologists, the interchange of ideas and the cohesion and fellowship of the profession through professional and educational meetings.
6. to provide liaison between the members of this Section and the local geological community, the state comprising its territory, and the public;
7. to enhance the image, reputation and awareness of the profession and the Institute through the dissemination of information to governments, schools, civic organizations, and the general public; and
8. to assist and support the work of the Institute.

Over the years we have supported several organizations and activities to fulfill our duties to the Section. These include: Student chapter grants, mining education for teachers, CO Foundation for Water Education, Oil/Gas affiliation, Dinosaur Ridge, Colorado Engineering Council dues, legislative reception, lobbyist, Science Fair awards, annual picnic, annual dinner, newsletter, and field trips.

Our activities and organizations that we have supported have been in line with our bylaws and our duty to support our very diverse membership. Most of our Section activities have run in the black, or nearly so.
Typically, our representative to the AIPG National convention attends at their own expense. Yet, for the past few years we have run at a small deficit and things are not improving. Our membership numbers have declined, and are projected to decline again next year. This means that our income from dues has also declined.

So what distinguishes the AIPG, in general, and the Colorado Section, in particular, from other professional organizations? One thing is our diversity. The last time a membership survey was performed was in 2013, but it showed a diversified membership with professional specialties across environmental, water and hydrology, oil and gas, mining, engineering, government, and academia. Your President-Elect, Tom Van Arsdale, has volunteered to undertake a new survey to get a current picture of the membership and the various geological specialties that are represented. Much information will be available from National, but he may be contacting some people for additional details. Please respond, if contacted, so that the ExCom may better serve our members.

Another thing that distinguishes the AIPG is being incorporated as a 501(c)(6) as opposed to a 501(c)(3). Most of the professional societies are (c)(3)—the difference being political. That is, a (c)(3) is permitted to lobby for legislation and to be active in the political arena on behalf of its members. Given the diverse nature of our membership, there is always legislation or regulatory activity that is affecting some part of the membership. Towards that end, we have employed a lobbyist for many years to represent the AIPG-CO at the Colorado state level, and we have a position on the ExCom for a Legislative-Regulatory person to oversee these activities. Every other year, we have hosted a legislative reception. Our efforts had a very real impact on the continued existence of the Colorado Geological Survey. Our lobbying effort has been our major budget item.

The ExCom has had to make some tough choices this year in order to meet our budget. Stewardship is one of the responsibilities of the ExCom, however, we would like to hear from our membership concerning the activities and organizations that are most meaningful to you. We will continue to support our diverse membership with our events and sponsorship. In the past, we had luncheon talks, but were not able to get a reliable turnout for these, and are exploring some other types of meetings. We would like to hear any ideas or suggestions that the membership might have on this topic, as well.

I am confident that we are laying a foundation for a vibrant and relevant Colorado Section. Social media notwithstanding, your professional societies are the best way for you to network and keep up with our ever changing profession.

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**Thank you note from Joey Perko**

Editor’s note: Joey Perko was the Junior Division runner-up Colorado Section awardee at the Colorado Science and Engineering Fair; see pages 7 and 8. He sent the Section the following handwritten note.

Thank you for awarding me with the American Institute of Professional Geologists Third Place Award at the Colorado State Science and Engineering Fair! I really appreciate your time spent talking with me and your interest in my project [Effects of Sublimation of Dry Ice on Mars Geology]. I have a great interest in geology and am currently working on my 2017 Science Project. I hope that you come and judge me next year!

Joey Perko
I had hoped to fill this issue with pictures and report for the field trip to the Paonia area scheduled for July 16th. Unfortunately, that field trip was cancelled due to lack of registrations.

I’ve summarized the proposed ballot initiatives related to fracking below. Proposed initiative 40 on local control applies to any type of activity, not just oil and gas like proposed initiative 75. Proposed initiative 40 would cover mining, particularly the use of leach pads.

The Colorado Section’s Executive Committees in recent years have been cognizant that we have a diverse membership with an increasing percentage of environmentally and hydrologically oriented members. This has resulted in a reluctance to take a position on various legislative and regulatory proposals.

I personally find Proposed initiative 63 on the Right to a Healthy Environment truly frightening. Not only could the oil and gas and mining industries in Colorado be shut down by lawsuits brought by individuals but also all manner of other activities. For example, brewing; ever been in Golden when the wind is blowing from Coors? What about snow making by ski areas and asserted impacts on water quality? Could a freeway be closed because of the asserted health hazard to those living nearby? What about the use of motorized boats on our reservoirs that are part of the public water supply? Consideration of the implications of this proposal should give all of us pause if it makes in on the ballot this fall.

As of July 22, the following proposed ballot initiatives that could affect oil and gas development in Colorado have had their petition format approved. Whether these proposed ballot initiatives make it on this fall’s ballot depends on whether a sufficient number of signatures are obtained and approved by the Secretary of State. These initiatives can be tracked on http://www.sos.state.co.us/pubs/elections/Initiatives/titleBoard/.

Proposed Initiative 40 Right of Local Community Self-governement: would allow local governments to over-ride state and federal laws in order to protect health, safety, and welfare.

Proposed Initiative 63 Right to a Healthy Environment: all state and local governments and their agencies shall assign the highest priority to protection of healthy environment. Any local or state law or regulation that is more protective of the environment will govern. Any natural person or government entity may sue for damages to enforce the right to a healthy environment.

Proposed Initiative 75 Local Government Control of Oil and Gas Development: local government laws and regulations would supersede the regulations of the Colorado Oil and Gas Conservation Commission.

Proposed Initiative 62 Ban on Hydraulic Fracturing: withdrawn.

Proposed Initiative 64 Local Control of Oil and Gas Development: withdrawn.

Proposed Initiatives 65 through 72, 76, 77, and 79 through 83 Mandatory Setback for Oil and Gas wells: withdrawn.
On Wednesday, April 13th, the leadership of the Metropolitan State University of Denver (MSU Denver) AIPG Student Chapter attended the MSU Denver Student Involvement and Leadership Award night. This award night was meant to honor exemplary student organizations at MSU Denver, as well as to recognize individuals within organizations for their contributions to the student organizations as a whole.

The MSU Denver AIPG Student Chapter was nominated for Student Organization of the Year, based on its efforts to increase membership (with an approximately 50% increase in new members for the 2016 year), raise organizational awareness on campus, and overall increase in activity for the past year. In addition, the Student Chapter was recognized for its contribution to early childhood education through its volunteer events with the Fort Collins Rockhounds’ Club Gem and Mineral Show, and the Excel Academy School STEM Night, among others.

The competition was fierce this year with over 120 organizations and approximately 300 members on campus. Unfortunately, the Student Chapter was unable to secure the award, however the event was a great experience, and the recognition from nomination was a fantastic surprise and certainly appreciated by all who have worked so hard to take the Student Chapter from its infancy to where it is now!

Special thanks to President Jessica Davey, Faculty Advisor Uwe Kackstaetter, and Chapter Sponsor Tom Van Arsdale for their support and hard work this year!!!
On April 7th four judges (Dennis McGrane, Jessica Davey, Stephanie Jarvis, and Tom Van Arsdale), representing the Colorado Section, AIPG, attended the finals of the 2016 Colorado Science and Engineering Fair competition, held on the Colorado State University campus in Fort Collins. This was the second year the Section has been involved with the Fair and the judges were excited to see what the students had accomplished. Suffice it to say, the judges were quite impressed with a number of projects.

The process to whittle-down the number of projects to a manageable number to judge began in mid-March when the competing abstracts were made available. A total of 154 abstracts from both the Junior Division (grades 6-8), and the Senior Division (grades 9-12), were reviewed within the categories of: Earth and Space Sciences; Energy; Environmental Sciences; Engineering; and Chemistry. From those 154 abstracts, each judge chose a number of abstracts for consideration. The total number of abstracts chosen for consideration was 27. The judges’ choices were then compiled to ascertain the projects most commonly chosen. This process resulted in three projects within the Junior Division, and three projects within the Senior Division.

On April 7th the judges reviewed each of the six projects and met with the individual student(s) to discuss his/her/their project in detail. If a project was judged to warrant particular attention, the student was awarded a Colorado Section, AIPG, “Certificate of Excellence in the Geosciences.” A cash award will also be sent to each Division winner ($100) and runner-up ($50).

All of the Fair’s projects were winners, in that the students expended a great deal of time and effort to: collect field samples, conduct laboratory work, analyze the data, draw conclusions or deter-

(Continued on page 8)
mine more research was necessary, prepare their posters in a logical fashion, and further present their projects with an oral presentation. The judges commend all of the student participants, and the organizers of this fun, and meaningful, event. For those AIPG members interested in reviewing abstracts to see what kind of projects these students are conducting (and maybe to see if there are any in your area you can help out!), abstracts are available under the “Judges” tab of the CSEF website (www.csef.colostate.edu).

(Continued from page 7)

Josef Perko, the Junior Division runner-up, is a 6th grader at Walt Clark Middle School, Fort Collins. His project was entitled, “Effects of Sublimation of Dry Ice on Mars Geology.”

Charlotte Heeley, the 1st Place Junior Division Award recipient. Charlotte is an 8th grader from Summit Middle Charter School, Boulder. Her project was entitled, “The Earth Moving the Waves.”

Colorado Section judges Dennis McGrane, Jessica Davey, Stephanie Jarvis, and Tom Van Arsdale at the 2016 Colorado Science and Engineering Fair.
Proposed revisions to the Colorado Section’s Bylaws

The Spring 2016 issue of The Colorado Professional Geologist included an article, “Revisions to the Colorado Section Bylaws.” Two changes were discussed:
1. Eliminating the requirement that the Section President, Vice President, and President-elect be Certified Professional Geologists. The Executive Committee did vote in favor of specifying that the Section’s Officers are elective positions.
2. Specifying that the Section’s Officers would be elected.

No comments on these proposed changes were received from members.

The Section Executive Committee considered these proposed changes during the ExCom’s April 5th meeting and concluded not to eliminate the requirement that the President, Vice President, and President-elect be Certified Professional Geologists. The Spring 2016 issue of The Colorado Professional Geologist included an article, “Revisions to the Colorado Section Bylaws.” Two changes were discussed:
1. Eliminating the requirement that the Section President, Vice President, and President-elect be Certified Professional Geologists. The Executive Committee did vote in favor of specifying that the Section’s Officers are elective positions.
2. Specifying that the Section’s Officers would be elected.

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The Section Executive Committee considered these proposed changes during the ExCom’s April 5th meeting and concluded not to eliminate the requirement that the President, Vice President, and President-elect be Certified Professional Geologists. The Executive Committee did vote in favor of specifying that the Section’s Officers are elective positions.

Because the second change does not impact member rights and privileges and was not a significant change in the way the Section’s business is conducted, there was no need to call for a vote of the Section’s membership on this change.

This adopted revision was sent to the National Executive Committee for final approval, which was granted at the June 25th meeting.
Rex Monahan Scholarship Winner
Megan R. Brown

Application Cover Letter
I am currently a first year PhD. student at the University of Colorado Boulder researching induced seismicity, specifically in Greeley, Colorado. Prior to moving to Colorado, I attended the University of Missouri Columbia and completed a master’s thesis entitled Injection Induced Seismicity in Carbon and Emery Counties, Utah. My master’s and current research are on induced seismicity with a focus on hydrogeology.

Before graduate school, I worked for five years in the environmental consulting field, mostly on groundwater remediation sites. I decided I wanted to switch careers and go back to school to pursue an academic career. I hope I will be able to share my experiences working in consulting with current and future students. While I was working on my master’s in Missouri, I was active with the local Association of Environmental & Engineering Geologists (AEG). I hope to encourage student involvement in the local AEG meetings here in Colorado, possibly starting a student chapter. I currently hold the Treasurer position in our student joint chapter of the American Association of Petroleum Geologist and Society of Exploration Geophysicists. Our student chapter has professionals come speak to our group at least once a month. In addition, I also lead in the organizing of our department’s colloquium; our department has speakers give a presentation every week during the semester.

My goal in the short term is to continue my research and increase my knowledge and experience in research activities, especially writing proposals, writing manuscripts, and learning additional research techniques. In addition, I am taking advantage of the opportunity to learn from the diverse and accomplished faculty at CU Boulder. I want to prepare as much as possible for a career in academia. I love teaching and sharing my passion for geology with others. Whether I am teaching an introductory course with students who don’t think they like science or an upper division course with geology majors, I love sharing how amazing and exciting geology can be. I hope to prepare future scientists for careers in industry, consulting, and research.

I have two main goals for my future academic career. The first goal is to teach students to be scientifically literate, be good scientists, and to do good science. Scientific literacy is so important in today’s world, regardless of career path. My second goal is to work to increase diversity and inclusion within the geosciences. I felt this particularly when I was the only female geologist in my company for the majority of my tenure. I am excited to work toward a more inclusive field of geoscience.

Why I Want to be a Geologist
I cannot remember a time when I wasn’t interested in geology and pursuing a career as a geologist. From a young age, geology was my focus and passion. Throughout my childhood, there was never a time there wasn’t a pile of rocks on my front porch—
the number of rocks allowed in the house was necessarily limited by my parents. I have always been drawn to the complexity and harmony of the earth systems, and I always wanted to share that interest with others.

As a middle school student, I was fortunate enough to participate in the Johns Hopkins Center for Talented Youth (CTY) program and spent several weeks studying geology through the program. This experience further cemented my love of geology. In high school, I took almost every science class available and was again fortunate to participate in a Sea Education Association (SEA) summer program geared toward high school students with science interests. This was another valuable experience that increased my love of science and geology. When the time for college came around, I knew the geology department was where I belonged and looked at colleges based on their geology programs. I chose Arizona State University for its broad geology curriculum, accomplished professors, extensive research, and, as I like to say, Arizona has better rocks. ASU was a perfect place to study undergraduate geology. I was able to learn a variety of topics and see examples of each within relatively short distances of the campus. I was exposed to talented professors who, in some cases, literally wrote the book on topics. I graduated with a firm overall foundation in geology.

My geologic research and occupational history started the summer after my freshman year in college. I was a participant of the Smithsonian Institution’s Research Training Program (RTP). RTP paired undergraduates with researchers at the Smithsonian Institution’s National Museum of Natural History to conduct research in their field of study. I completed a research project on meteorites as analogs for sulfur depletion on asteroids, in particular Eros 433. During the research project, I also observed a single taenite-troilite particle, which includes numerous orthopyroxene blebs less than 5 microns in diameter. This particle appears to have formed by melting and may be the equivalent of a sulfur-cemented, asteroidal agglutinate. I returned to the Smithsonian the following summer to look through other meteorite samples for additional particles with the same composition and characterizations.

Following the research conducted at the Smithsonian, I was employed by a professor at ASU as a research assistant. During my employment, I assisted with a research project on the weathering of basalts as analogous for the weathering on Mars. I also volunteered in the Robert S. Dietz Museum of Geology working primarily on inventorying the extensive mineral collection.

In addition, during my undergraduate experience, I was afforded several teaching opportunities. I worked at ASU as a student athlete tutor for geology 101 lecture and lab courses. While tutoring the student athletes, I was able to share my love of geology as well as my knowledge as a geology major. During my junior year at ASU, I enrolled in a course that took college interns into Title I schools in Phoenix, Arizona to teach earth science. The experience was very rewarding and enlightening. During the course, interns learned about writing and implementing lesson plans based on inquiry based learning. I enjoyed the course and teaching so much the following year I became the facilitator for the class and led two semesters of interns through the course. While I was facilitator of the course, I experienced the challenges of instructing, supervising, advising and grading college students as well as working with the sixth graders at the elementary school where the interns worked.

Following graduation, I was employed by a small environmental consulting firm, Environmental Alliance, Inc. (Alliance) as a field geologist. During my almost five years with the company, I supervised monitoring well drilling and installation activities; conducted various soil and groundwater assessment and remediation projects, including hydrogeologic investigations, routine sampling and reporting; and assisted in remediation system investigation, design, planning, permitting, construction and installation, operations and maintenance, and oversight. I gained invaluable knowledge and experience during my time with Alliance. I learned about both practical field techniques as well as hydrogeologic principles. I learned about geology in a way that can only be accomplished by applying the principles, theories and knowledge gained in college. Not only did I grow as a geologist, but I also had the opportunity to learn about project management. From the proposal, to the client and vendor contracts, managing a budget and
After working for five years, I realized I wanted to go back to school and enhance my education. I gained acceptance to the University of Missouri – Columbia and completed my Master’s degree under the advisement of Dr. Mian Liu. My advisor let me be the driver of my research topic, and I completed research on induced seismicity in central Utah. I defended my thesis, Injection Induced Seismicity in Carbon and Emery Counties, Utah, in May 2015. A manuscript of my research has been submitted for publication. As part of my Master’s funding, I worked as a teaching assistant for the Principles of Geology class, including a year as lead TA. I was honored to be recognized with the James Stitt Teaching Assistant Award. I very much enjoy working with the students and sharing my enthusiasm for geology.

Following graduation, I had the opportunity to continue working at the University of Missouri – Columbia for the summer as a research technician processing InSAR data from the European Space Agency’s Sentinel 1 Satellite. I deeply appreciated the opportunity to work on diverse research and learn new skills, especially in geodesy.

In August 2015, I started my PhD. program at the University of Colorado Boulder under the advisement of Dr. Shemin Ge. I have continued my research on induced seismicity at CU Boulder working on a project in Greeley, Colorado. In addition, I am active in our American Association of Petroleum Geologists / Society of Exploration Geophysicists (AAPG/SEG) Student Chapter as the Treasurer. Starting this spring, I had the opportunity to lead the organizing of the Department of Geological Sciences Colloquium series. As part of my funding for my PhD., I was the teaching assistant for the upper division Introduction to Hydrogeology class at CU Boulder. I was able to share my experience from both my work in environmental consulting and my research.

My goal is to finish my PhD. in Spring 2019 and continue in academia as a university professor. I am deeply interested in sharing my geological knowledge through teaching and mentoring students in research. One of my main goals is to promote diversity and inclusion in the field of geoscience. In addition, I hope to prepare my students for both careers in research and in industry. Geology has always been my passion and I am committed to passing on that enthusiasm to students and future scientists.

I do not have an articulate answer for “why I want to be a geologist”; all I know is that I always have. While my friends professed their hopes of being firefighters or ballerinas, I firmly stated I was going to be a geologist. (I then would have to explain to my five-year-old peers what that meant.) I love geology. I love learning about it, teaching it, researching it, being in the field or on a hike and seeing and experiencing it. I have spent the majority of my life feeding that love with a variety of activities.

I guess that is the answer: I want to be a geologist—I am a geologist—because I love it.

Following graduation, I was employed by a small environmental consulting firm, Environmental Alliance, Inc. (Alliance) as a field geologist. During my almost five years with the company, I supervised monitoring well drilling and installation activities; conducted various soil and groundwater assessment and remediation projects, including hydrogeologic investigations, routine sampling and reporting; and assisted in remediation system investigation, design, planning, permitting, construction and installation, operations and maintenance, and oversight.
Thank you Letter

I would like to thank you for granting me the prestigious Rex Monahan Geological Scholarship award. This award is not only a financial relief, but also an honor to be recognized by this national organization. This scholarship will be used toward funding my field course with the Caherconnel Burren Field Geology School for housing and academic credit. I am extremely excited for this field camp opportunity, especially because it will cover topics unavailable at my home university's field camp. Additionally, this scholarship highlights the growing potential of geology students at my home university, which is working on expanding public knowledge of our academic successes. I am proud to be part of my university's progressive movement and it is because of this committee's generosity.

Thank you again for this scholarship and I am forever grateful for the support of the American Institute of Professional Geologists in the Colorado Section.

Application Cover Letter

I am currently pursuing my Bachelor of Science in Geology from Western State Colorado University and expanding my horizons by participating in the Burren Geology Field School in Ireland, June 2016.

I found this scholarship to be appropriate because of my previous work in my structural, sedimentary and stratigraphy, geomorphology, geographic information systems, and geospatial analysis courses. In my sedimentary and stratigraphy course, I took a weekend field trip to eastern Utah to study the depositional environments and paleogeography of the region. This included extensive research and a formal written paper. Additionally, my structural course trekked out to eastern Utah to study the regional tectonics and how to identify geologic structures in the field, highlighting the Ten-Mile Graben. Both opportunities emphasized efficient research techniques and fieldwork analysis.

Now that I've learned the initial standards for fieldwork, the field camp experience is a perfect opportunity to test my knowledge and my application skills.

Currently, I am the President of the American Association of Petroleum Geologists Student Chapter Geology Club, the Communications Officer for the Honors Program, and a Student Ambassador. As President I have doubled the club's participants and brown-bag seminars, which include both student and professional presentations. The Communications Officer position is part of a student advisory board that communicates the voice of the student populace to the di-
rector of the program. A Student Ambassador is part of an elite group of students who represent the university in a positive student, academic, and social perspective by giving tours to prospective students and alumni. Overall, my involvement in each of these activities has given me invaluable experience with my organizational efficiency, communication abilities, public speaking skills, and leadership qualities.

I am choosing to participate in field camp between my junior and senior year as a personal academic evaluation for my final year and my capstone project. The capstone project will be based on a preferred area of study, which I hope to finalize this spring semester and definitively with field camp. This will transition to my postgraduate plans of pursuing a master's degree. Additionally, I hope to obtain a career in geology that I am passionate about and can better the scientific community.

Why I Want to be a Geologist

Since freshman year of high school, I knew I wanted to be a geologist. Plainly, I love rocks and am eager to know more about what makes them what they are. Although a vague answer, it is the simplest and most complete one I can give. My high school science teacher was a former geologist so he knew exactly what he was talking about. His passion for his former career through making us memorize minerals and plate tectonics made me recognize my enthusiasm for the subject. Neither chemistry, nor physics, and certainly not biology, could compare to my interest in rocks.

My primary inspiration to pursue geology has been my fascination for rocks, stemming from my early childhood and elevating throughout my higher education. My education so far has taught me invaluable lessons about how to be a better writer, researcher, and scientist. There are many factions within geology and each class I complete makes me eager to learn about a new one. As a junior in college I have yet to specifically identify my preferred area of study. However, I am going on an academic adventure to Ireland for a semester abroad and field camp. I am hoping this new variety of professors and geologic territory will really pinpoint what I want to base my career on.

Although a certain love for rocks is a necessity to be a geologist, there are many other important factors that are incorporated to the learning process. To me, geology helps define other scientific fields. It is a collection of important variables that most other sciences singularly study. A geologist broadens his or hers horizon to see past just the rock. Ultimately, that is what I want to be able to do after I complete my undergraduate studies and into my pursuit of a graduate education. have the beginner's step of geology and now as my knowledge continuously grows I need to learn to see more than the rock. I believe field camp, particularly in a foreign place, will be a good challenge and assessment to my progress toward becoming a geologist.
The UNC Geology Club Student Chapter of AIPG has been busy this last year. We met every other week, and started the year by putting together over 700 mineral test kits that the bookstore sells for use in three different geology classes. We also had a design contest for our annual geology club t-shirts. The winning design was by our secretary, Austin Pearson who created a white design of snow-capped Mount Princeton with our Bear mascot overhead, all on a black t-shirt. The AIPG logo is on the back of the shirt.

We went on a field trip to the Colorado School of Mines Mineral Museum in Golden, and had a tour guide with us to answer any of our questions regarding the huge mineral collection in their depository.

This year we were an official Relay For Life team. We collected close to $1,000 for the American Cancer Society. Our team won best campsite and club members came together and designed a great banner with a Dinosaur Safari theme. Decorations included rock specimens, bones, and plants. We always had someone on our team representing us on the track for a full twelve hours. Our club treasurer was also the keynote speaker for the evening.

Last year our participation at the Greeley Water Festival was such a success that they asked us to come back again this year. We had another opportunity to show elementary school kids fossils, rocks and minerals, and of course, their favorite, a tornado machine. It was another great year for the festival.

We are now involved in helping the Earth and Atmospheric Science Department actively recruit students from Aims Community College and area high schools. We have invited geology students from the area schools to join our summer field trips.

In May we had our Spring Field Trip. This year we focused on Ore Geology, and were accompanied by Dr. Graham Baird, a professor in our department. We went on a tour of the Edgar Experimental Mine run by Colorado School of Mines in Idaho Springs. We then headed to Leadville to explore an outcrop near the Climax Mine, and then to the National Mining Hall of Fame. We camped in Brown’s Canyon along the Arkansas River. The following day, Dr. Baird led us through outcrops in the Salida area that showed the formation of the Rio Grande Rift. On the third day we toured the Cripple Creek & Victor Gold Mine in Cripple Creek. It was three days of fun while being in the field examining ore minerals and learning about mining techniques.

The club often spent evenings studying together, as most of us were in the same classes, but we also had club social events, including a movie night, a Super Smash Brothers video game night, bowling and a Halloween party.

The 2015-2016 year was a good one and we are looking forward to the coming year.
Receive Your Newsletter by E-mail
To receive the CPG by email, send your request to Vickie Hill:
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Colorado Section email:
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Use this email for registering for Section events and other communications.

**PLEASE VISIT OUR WEBSITE** :  http://www.aipg.org/StaticContent/anonymous/sections/CO/

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