The Heart & Soul of UM
This fall, Division of Biological Sciences associate professors Art Woods and Bret Tobalske and DBS graduate student Steven Lang traveled to Antarctica to research the giant sea spiders living in the ocean under the ice. Funded by the Office of Polar Programs and the National Science Foundation, their research was aimed at understanding the unique adaptations and biology of cold-blooded animals that reside in frigid environments. For more information, including videos, visit their website at [https://polargiants.squarespace.com/](https://polargiants.squarespace.com/)
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As you undoubtedly know, UM has experienced an enrollment challenge in the past three years. This has led to increasing strains on the UM budget, which in turn affects the entire UM community. As the largest College we feel the pressure and have much to do to help UM move back upward in the minds of potential students. **It remains our mission to fulfill the central purpose for which the University was chartered in 1893: To provide a Liberal Arts education that emphasizes a complete and integrated knowledge of the humanities and sciences.**

Now more than ever, it is our utmost priority to ensure H&S remains the intellectual core of UM. This fall, we traveled to China to cultivate international recruitment efforts and build relationships with universities in Shanghai and Beijing. We are currently installing the final features of a new Technological Corridor in the Liberal Arts Building, a renovation made possible through generous private support, and are working to secure additional upgrades that will provide our students the most advanced learning environment possible. But we cannot do it alone.

The value of a community becomes especially apparent during challenging times such as these. In the following pages you will see a few of our exemplary H&S students, faculty and alumni that are achieving great success and making an important difference for their communities and the College. As you read their stories, I ask that you reflect on your own time at UM. Remember the faculty that encouraged and challenged you. Think of everyone in the UM community that helped you, and the transformative impressions these relationships had on your education.

You can support H&S in a number of ways, from assisting in student recruitment efforts in your community to funding a student as they study abroad. You can come to campus as one of our Returning and Community Scholars, or create a scholarship or fellowship in a department or program that is meaningful to you. Regardless of how you can contribute, we encourage you to stay connected and keep us updated on your stories and experiences.

If you would like to know more about how you can support H&S, please email us at hs@mso.umt.edu. You can also visit our website www.hs.umt.edu for more information about College news and events, and like us on Facebook by visiting www.facebook.com/HandSNews. Now is the time for students, faculty, alumni and friends to come together to confront these challenges. When we all work together, we can and will make a positive impact on our community, nation, and world.

We are H&S, and we are the Heart & Soul of UM.

Christopher Comer  
Dean  

Jenny McNulty  
Associate Dean
On October 24, the College of Humanities and Sciences kicked off its inaugural Game Day Tailgate at the University of Montana vs. North Dakota football game. Friends, alumni, faculty, students and staff all came together for a fun social outing in the fall. If you are interested in participating in next year’s tailgate, please contact Bitty Balducci at bitty.balducci@mso.umt.edu, or Marci Bozeman at marci.bozeman@mso.umt.edu.

The Scholar-Athlete

Derek Crittenden

Major: Chemistry
Minor: Philosophy/Mathematics
G.P.A.: 4.0

- Rhodes Scholarship finalist
- Selected to the College Sports Information Directors of America (CoSIDA) 2015 Academic All-America® Division I football first team
- National Football Foundation William V. Campbell “Academic Heisman” Award finalist
- Four-time recipient of the UM President’s Award for highest student-athlete G.P.A.
Captain Patrick Beckwith

2015 United States Army Cadet Command Instructor of the Year

Military Science instructor Captain Patrick Beckwith has been named the 2015 United States Army Cadet Command Instructor of the Year, a prestigious national award that designates him the best ROTC Army instructor in the entire country.

A graduate of the United States Military Academy, CPT Beckwith’s military experiences in Iraq and Afghanistan helped kindle the desire to educate future leaders for the demanding and challenging issues that face America. He serves as the class instructor for MSIII (Third Year) Cadets and as the Ranger Challenge and Physical Training Instructor. He is committed to facilitating a highly engaging and academically rigorous immersion in Military Science and Leadership.

“Captain Beckwith does not just discuss leadership,” says UM student and ROTC Cadet Dylan Harris. “He lets us live and rehearse it, providing us with continuous feedback and input to grow and succeed.”

CPT Beckwith’s teaching philosophy targets the difficult cognitive thought processes that leaders face in often stressful and austere conditions. His instruction focuses on allowing students to think about what they learn and transfer their knowledge to a diversity of situations and working environments. His philosophy creates an environment that allows students to discover their own sense of leadership, which he believes instills confidence in students and their own abilities. The goal is for students to create personal meaning of leadership to retain understanding for lifelong growth.

As a recipient of this award, CPT Beckwith was selected over instructors from over 270 ROTC Host Programs on university and college campuses across the nation. He is devoted to commissioning future Army Officers from the UM ROTC Program that represent Montana and the United States of America with exemplary leadership as humble professionals and servants to our nation.

“UM students have a strong sense of character and pride. As an instructor, my role as facilitator of leadership lessons is made easy with so many students willing and able to immerse themselves in difficult situations.”

- CPT Patrick Beckwith
CS professor puts prestigious Fulbright Scholar Award to work

Last spring, Computer Science professor Jesse Johnson learned he was the recipient of a Fulbright Scholar Award. This January, he will use that award to work with Postsecondary Schools in Windhoek, Namibia. The goal of his work is to bring a Massive Open Online Course (MOOC) blended approach to better train and educate information technology and computing professionals. This is not Johnson’s first trip to Africa. In 2011, he represented UM at a South African mathematical institute researching the computer modeling similarities between blood flow and glacial movement.

UM Grizzly Hurling wins second national title in two years

In only its second year of existence, the UM Grizzly hurling team won its second National Collegiate Gaelic Athletic Association Hurling Championship last spring. Founded by Naoise Waldron, who came to H&S from Ireland in 2013 to teach Irish as a Fulbright Foreign Language Teaching Assistant, the Grizzly Hurling Club is the first of its kind to win back-to-back national titles in the sport—beating out clubs from universities that included Stanford, California-Berkeley, and Purdue. For more information about the team and the 2016 season, visit the UM Grizzly Hurling Facebook page at http://www.facebook.com/montanagrizzlieshurling.

History professor brings H&S to prime time television

History professor Anya Jabour recently spent time in Virginia as a consultant on the new PBS Civil War era drama Mercy Street. While on location, Jabour provided guidance on the social and behavioral guidelines of the time. This falls in line with much of Jabour’s research over the years, which in 2007 resulted in her book Scarlett’s Sisters: Young Women in the Old South. Based on real events, Mercy Street takes audiences into the lives of Americans on the Civil War homefront as they face one of the most turbulent times in our nation’s history. It is scheduled to premiere on January 17, 2016.
Why did you decide to attend UM?
After serving in the United States Marine Corps as an infantryman, I decided to leave the military to attend college. I am originally from Wisconsin. The University of Wisconsin-Madison is a superb school, and they have a strong Russian program, however I did not like how large the class sizes would be. I decided to look towards Montana. Montana State University lacks a Russian program, so that left the University of Montana, the only college in Montana that offers Russian language.

What drew you to the Russian language?
I have always wanted to be fluent in a foreign language, especially after my multiple deployments all over the world while I was Marine. I chose the Russian language because it was the most unique and fascinating language to me. I had heard from other students that Russian is fairly difficult to learn, and the challenge of learning the language is what drives me to succeed in Russian. Also adding to this, Russian has been considered a critical language by the U.S. State department.

What other programs are you involved in at UM?
While attending classes, I work at the UM VETS office here on campus. There, I help new student veterans with their VA educational benefits, and assist current student veterans with their benefits. However, my primary task is to conduct the initial certification when students submit their classes they are enrolled in. The UM VETS office also gives me the opportunity to participate in community veteran events such as Vetsgiving, an event that is run by the Student Veterans Association (SVA) that provides a holiday meal for veterans who have nowhere to go for Thanksgiving Day. The job is very rewarding in that I can network with other veterans, and I take satisfaction in the fact that I am helping fellow students who have sacrificed and fought for our country.

What are your plans for the future?
Currently, I am double majoring in accounting and international business and minoring in Russian language. Russian will assist me in finding opportunities in international business, as well as help me find employment with a government agency. While I am unsure of what employment I will seek upon graduation, I would like to work in the accounting field, international companies, or government agencies. I am thankful for the quality of education that I have received here at the university, and the powerful reputation of the University of Montana Russian program and the School of Business Administration. In the future when I have a career, I plan on visiting and contributing to the university as my way of giving back.
Jennifer Hildreth

Sociology

Sociology alumnus Jennifer Hildreth made a startling observation her senior year, while participating in an internship as a women's advocate. Accessing data associated with her internship, Hildreth noticed that there was an increased level of threats, lethality, and control when strangulation was part of the domestic violence, and that strangulation has a greater likelihood of coexisting with other forms of violence and control mechanisms. Hildreth used her research in a paper, little guessing the important impact her work would have.

Cat Otway, a registered nurse and accredited sexual assault nurse examiner at St. Patrick Hospital, conducts strangulation training seminars all over Montana. After becoming familiar with Hildreth's data, Otway decided to use Hildreth's findings to support her advocacy of training sessions and recently secured grant funding to train several graduating Law Enforcement Academy classes. The Montana Grants Commission, in collaboration with Otway, is also currently writing a grant to provide training about the signs and symptoms of strangulation to seasoned officers, and to alert them to the alarming rate that strangulation occurs in our community. This new grant will also employ Hildreth's research.

Hildreth is currently employed at the Missoula Correctional Services Pre-Release Center as a Case Manager, and as a Sexual Assault Response Advocate for the YWCA. She works with law enforcement and with survivors of rape, sexual assault, and strangulation.

Tom Bateridge

Giving back in more ways than one

Tom Bateridge’s (Geology, ’74) hydrology career has allowed him to pursue much international travel. Throughout his career, Tom has maintained a firm belief in the value of education, particularly the value of international experience and second language proficiency. Tom also values helping others. UM students benefit from his support of the College of Humanities and Sciences and his work at the UM Writing Center. As a 13 year tutor at the Writing Center, Tom has spent several hours each week helping international students and students of Spanish with their writing assignments.

In addition to his time as a tutor, Tom also shares his financial resources. He has established a study abroad scholarship which will help fund H&S students to study in non-English speaking countries. This is funded by his annual charitable gift annuities through the UM Foundation. Charitable gift annuities offer donors like Tom consistent income for life and tax savings while also providing a sound investment in the programs, like international study abroad experiences, for which a donor is most passionate. At present, due to low interest rates, the portion of gift annuity payments not subject to income taxes is particularly high. Because this advantage can be locked in for a lifetime, the benefit of a charitable gift annuity to donors is substantial. An added benefit in creating a gift annuity is the possibility of qualifying for the Montana Endowment Tax Credit.

H&S is grateful for the many ways in which Tom Bateridge helps our students – both in his present-day contributions as a tutor and in the ways in which his charitable gift annuities help the College plan for the future of international study abroad opportunities. Thank you Tom for the many ways you support UM students.

For more information on how you can create a charitable gift annuity benefiting your field of study or interest area, please contact Nicole Rush, associate director, UM Foundation Office of Gift Planning or visit SupportUM.org/GiftPlanning.
Why did you choose to come to Missoula and attend the University of Montana?

Originally I am from Yakima, Washington but Montana has always been my favorite place to be! I would come visit my grandma every school break we had when I was little. When I turned twelve my mom decided to move us back to the great state she came from and where my entire family is located. I went through Shelby High School then moved to Missoula for college and have not looked back since.

What’s your favorite aspect of studying Psychology at UM?

I chose Missoula specifically for its Psychology department. All through high school I expressed my interest for human behavior and all roads pointed to the Psychology department at UM. I love the psychology department not only for all of the diverse students I get to work with, but also for our great mentors leading the way. Some faculty that have had a huge impact on my education, whether they realize it or not, are Craig McFarland and Nicole McCray, as well as countless graduate students that have devoted their time to teaching our classes. Every professor from the Psychology department I have had during my time here has been incredibly knowledgeable, as well as genuinely invested in their student’s success.

What do you like to do in your free time?

A lot of my enjoyment from the past four years has come from my jobs. I am an assistant teacher in the Clark Fork School’s after school program as well as an Autism Trainer at Full Circle. Clark Fork School has given me the opportunity to develop my teaching skills with children while nurturing their love and appreciation for the great outdoors. Full Circle has launched my interest in going to medical school and has given me the drive to become a child psychiatrist.

You’re also involved in ROTC. How does that contribute to your education?

Being an ROTC Cadet has given me unmatchable leadership skills, opportunities, and confidence. From flying in helicopters, to leaving my family for five months for basic combat training, to leading younger cadets in mock “raids” through Blue Mountain, ROTC has pushed me to my limits and shown me I am a lot stronger mentally and physically than I ever thought possible. This newfound confidence will lead me fearlessly into my future endeavors with my strong University of Montana education behind me. The grizzly battalion has become a family to me and I believe is one of the best decisions I have made here at the University.
Have you received any scholarships?

While here at the University I have received a few scholarships and awards. Some are: The Kain/McKay Scholarship, National Guard State Scholarship, The Colonel Ray Lewis Scholarship, The VFW ROTC Citation and Medal Award, The Mrs. Kreitzberg Memorial Scholarship Award, and the Dean’s List.

What’s next?

I will be using my degree to commission into the Montana State Army National Guard as a Second Lieutenant; my unit is located in Missoula. This will allow me to serve my country while also serving my community and the state that I love. I also plan to use my degree to go onto medical school, hopefully through the WWAMI program, and make my way back into this wonderful community as a practicing psychiatrist.

Mike McGinley
Investing in Our Future

Q. Why did you create the Mike McGinley Computer Science Scholarship?

When I graduated from UM in 1974, the computer equipment used by the university filled up an entire room. Today you have thousands of times the processing power, getting exponentially more powerful every couple years, in the palm of your hand. The combination of smartphones, processing power, applications, and video cameras are changing everything in our daily lives - from communication to information transfer to shopping to education. This dramatic transformation is only seven years in the making with more on the horizon.

Google, Facebook, Instagram and the like are massive platforms with billions of users that are directly connected to your smartphone/mobile device, and their success is driving a disruptive change in the corporate world. 20% of all time spent on apps is on Facebook or Instagram. Snapchat has announced they are getting 6 billion daily video views, and they are only five years old. The music business looks completely different from ten years ago, and the television business is the middle of massive disruption.

Companies and jobs in the future will look very different from today, and, therefore, job skills will need to be much more diverse. If you are a creative person—like a writer, artist, or designer—the user interfaces in all the apps being released every day will require creative thought and design. This will require computer programming skills, not unlike a paint brush. If you are an analytical or numbers person, the technology stack that runs all business companies—from the platforms noted above, to the smallest companies in Missoula—will generate unlimited opportunity for your skills.

I believe that Computer Sciences courses should be a core requirement for graduation, because without basic programming skills, the job market will become increasingly limited in the years to come. For this reason, I chose to support a scholarship in the Computer Sciences department. I see the rapid changes happening first hand and want University of Montana students to remain competitive for years to come.

About Mike

Mike McGinley (’74) has been the CEO of SRO Consultants, an entertainment business strategy and consulting firm, for over 40 years. His client list is comprised of some of the biggest names in the business (Tom Petty and Neil Young, to name a few), and he has been an investor and advisor to many early-stage startups, including Facebook, Snapchat, and DirecTV. Mike is also the co-founder of CitizenNet, a fully integrated, self-serve platform for market research and ad campaign management.
On a sunny fall semester morning, University of Montana anthropology professor Anna Prentiss takes a break from her daily routine to show a visitor just a few of the thousands of artifacts she’s gathered while excavating the Bridge River village in British Columbia.

“Oh, here’s something,” Prentiss says. “Here’s an artifact.” Prentiss pulls from a file drawer an arrow shaft, a long piece of wood that sometime in its estimated 1,300-year lifespan was blackened by fire. She then moves on to a piece from a more recent period, a roughly 170-year-old spindle whorl that, per the era’s tradition, helped transform dog hair into fabric.

Prentiss collected the artifacts during her ongoing excavation of the Bridge River village. She recently received a $142,000 National Endowment of the Humanities grant to complete the last phase of the project, which is a collaborative effort between the University of Montana and the Bridge River Indian Band.

First occupied as many as 1,800 years ago, Bridge River village residents lived in semi-subterranean homes and constructed new floors atop the old ones as the years went on. At “Housepit 54,” one of several homes that once dotted the site, layer upon layer of floor has been preserved, leaving for Prentiss and her team a treasure trove of artifacts. Thus far, they have excavated portions of 11 layers from Housepit 54. The spindle whorl came from the top floor, which was occupied during the mid-19th century. “Meanwhile, this slate scraper,” Prentiss says, noting the palm-sized tool she holds in her hand, “came from a deeper layer occupied roughly 1,300 years ago.”

Aiming to learn more about Bridge River village artifacts, Prentiss will launch a pilot project with the University of Montana Social Science Research Laboratory. She’ll use the SSRL’s new Breuckmann SmartSCAN three-dimensional imaging system, which is capable of capturing details on bones and artifacts just larger than the size of a human hair. This allows Prentiss to discern, for example, whether marks on slate scraping tools signal wear, or if they constitute a signature of sorts indicating ownership.

Such insights stand to prove immensely valuable to Prentiss and her crew as they seek to develop a greater understanding of the long-term history of the Bridge River village. Because the scanner’s digital images can be archived online, they also stand to inform people across the globe.

“Being able to digitize gives us a permanent record of images of all of the artifacts,” Prentiss says. “It gives the descendent community, when we put it online with their permission, access to beautiful images of items. It gives scholars who want to study these further a chance to research them without going to the curation facility.”

Prentiss and the SSRL plan to preserve and disseminate the data files through the Mansfield Library, which Mansfield Library Head of Archives and Special Collections Donna McCrea believes will be a great asset to students and faculty moving forward.

“We at the library will be looking forward to working with Dr. Prentiss to help her think through appropriate platforms such as ScholarWorks to share her research online,” McCrea says. “It’s exciting to bring projects like this to a wider audience.”
The University of Montana Social Science Research Laboratory's three-dimensional imaging system enabled UM anthropology professor Anna Prentiss to observe a pecked fish image on what appears to be a piece of semi-decomposed slate or siltstone. The piece was recovered from a buried roof deposit within Housepit 54 at the Bridge River site in British Columbia. The artifact is approximately 1,150 years old.

About the author

Jessica Mayrer serves as the research assistant and monitor supervisor in the SSRL. She was formerly employed as a staff writer for the Missoula Independent.

About the SSRL

Launched in 1987, the Social Science Research Laboratory (SSRL) offers a computer-oriented teaching environment and a technical research laboratory to faculty, staff and students in the College of Humanities and Sciences. SSRL maintains a strong interdisciplinary emphasis. It is directed by Sociology professor Dusten Hollist and driven by a steering committee with representatives from Anthropology, Communication Studies, Economics, and Political Science. For more information email ssrl.support@mso.umt.edu, or visit the SSRL Facebook page.
Bill Cross
For a life-long friend

I started my graduate studies at the University of Montana in the fall of 1966. To support my studies during the first year, I worked as a research assistant under the direction of Dr. Mitsuru “Jim” Nakamura on a grant to study food poisoning. I went on to receive my Master of Science degree from UM, after which I was awarded a Research Fellowship by the National Institutes of Health to pursue my Ph.D. in Microbiology under the direction of Dr. Nakamura. During my studies for both my Master of Science and doctorate degrees, Dr. Nakamura became my mentor and my friend. It was a friendship that endured for the rest of his life.

My time at UM still remains a most enjoyable time in my life, and with the training and guidance I received from Dr. Nakamura and the other professors in Microbiology, I was able to achieve a high level of success in my professional career. Before retiring from Bristol-Myers Squibb in 2000, I was Vice President of Quality Assurance, responsible for overseeing the testing, monitoring, and releasing of all pharmaceutical and nutritional products in laboratories all over the world. If Dr. Nakamura had not offered me a research assistantship in 1966 and played the key role in my receiving a doctoral research fellowship, I am sure my professional career would have turned out much differently.

After I began working at Bristol-Myers Squibb, my wife, Connie, and I started spending time with Dr. Nakamura and his family. These occasions brought us closer together and made me appreciate even more what he had done for me in my years as a student. When Dr. Nakamura died in 2004, shortly after his 78th birthday, I decided the best way to honor him was to endow a scholarship in his name to help graduate students research and study in the Microbiology program. He always supported what I wanted to do and always offered encouragement. This is my way of giving back to current and future students.
Jennifer Isern
Political Science

Jennifer Isern (Political Science, ’89) is senior manager with the Finance and Markets Global Practice in the Asia Pacific region for the World Bank and the International Finance Corporation. With 27 years of international finance experience across more than 65 countries, she is a global expert in financial sector development, including access to finance for the poorest populations. She previously served as regional manager of access to finance for South Asia with the International Finance Corporation and served as a visiting professor at Princeton University. For 13 years, she worked for the Consultative Group to Assist the Poor based in the World Bank Group, including serving in the management team, leading work in Africa and China, and launching several global initiatives. With CARE International, a leading humanitarian organization fighting global poverty, she launched and managed projects in microfinance, community development, and girls’ education in Africa.

Isern has published widely on international issues, financial sector development and financial inclusion, and is a founding member of the board of directors for PAMIGA, a network of rural microfinance institutions that reaches 1.2 million rural people in Africa. This fall, she also served as an H&S Returning and Community Scholar, engaging UM students in a program titled International Development: From the Asia-Pacific to Montana.

John Grotzinger
Geology

John Grotzinger (Geology, ’81) is the mission leader and project scientist for NASA’s Mars Science Laboratory Mission and the Fletcher Jones Professor of Geology at California Institute of Technology. He has conducted field research on every continent except Antarctica and now directs a team of more than 400 scientists as they explore Mars via the Curiosity rover. In 2014, he received the NASA Group Achievement Award for the Mars Science Laboratory Mission, the NASA Outstanding Public Leadership Medal and the Roy Chapman Andrews Explorer Award.

Grotzinger also participated in the Returning and Community Scholars program this year, presenting his experiences exploring the Mars to UM students.
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We are happy to provide you with information about our giving programs including
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Coming to Campus?
The College and the University of Montana have various events, lectures, programs and classes going on throughout the year.
Please contact us if you would like to visit the College, get a tour of the new buildings on campus,
attend a class, meet the Dean, or chat about your experience at the University of Montana.