Welcome to the NSF REU-Site Natural History Research Experiences’ annual newsletter.

NHRE 2017, by the numbers.

2,052: # of teeth examined for cavities.

6: # of new species discovered in the mydas fly genus *Cacatuopyga*.

84: # of spider species whose chelicera were measured and analyzed.

14: # of ichthyosaur fossil carcasses studied to learn about the processes related to decay and fossil preservation.

3: # of protest marches on the national mall during the 2017 NHRE session.

0: # of protest marches on the national mall during the 2016 NHRE session (and 2015, and 2014, and 2013)

Directors’ Corner

Well, we have completed another year of NHRE, our eighth as co-directors of the program. We tried a few new things this year, some of which worked out but others, not so much. On the successful side, our field trip returned to Calvert Cliffs, located on the eastern shore of Chesapeake Bay, after several years being elsewhere. We were treated to unusually pleasant weather – sunny, but nicely cool for July in DC – as we scampered up and down the beach looking for Miocene fossils. Some great shells and shark teeth were found. On the less successful side, we tried a new housing arrangement this year, with all bedrooms arranged around shared common space and kitchens, reality-TV style. Although some liked the socialness of the set-up, the survey responses were not kind, which we will chalk up as a worthy but failed experiment.

On the science side of things, we again had a great group of projects, asking such diverse questions as:

- How did Dimetrodon walk? (possibly similar to crocodiles)
- How often is fish incorrectly labelled in fish markets? (shockingly often)
- Can we find ancient DNA in plant microfossils called phytoliths? (not yet, but they are still trying)
- Can you collect octopods from deep reefs off of Curacao? (yes, and some of them are quite strange)
- Can a NHRE intern discover a new class of meteorite? (Yes)

Check out the ‘Past Projects’ section of the NHRE webpage for all the details.

In the pages that follow, you can read about what your fellow NHRE alumni have been up to lately. It is so rewarding for us to see all the interesting, worthy and exciting developments in your lives, and we hope that you keep the updates coming in the future.

All our best,

Gene & Liz
NHRE Class of 2010

Travelling in South America and Europe

Submitted by Sheel Jagani

I think as of the last update I sent, I was teaching Biology in Dallas, at Sunset High School. Here are some updates in brief:

- 2014-2016: Lead Biology Teacher at Sunset High School, Dallas ISD
- 2014-2016: Contracting as Diversity, Equity and Inclusiveness Designer, Facilitator, & Community Learning Specialist at Teach for America
- Aug 2016 - Aug 2017: Extensive travels through Latin America and Iberia, including 2 months hiking in Patagonia and the Camino de Santiago in Galicia.
- September 2017: Career change and relocation! I will be starting a new position at the Texas Education Agency in Austin, as a Program Specialist for Texas Lesson Study, a new research-based teacher training initiative.

Kapadokya in Central Anatolia
Orange Sulfur Butterflies in a changing climate

Matthew Neilsen is a postdoctoral researcher at the University of North Carolina, Chapel Hill.

He has been working with Notes for Nature, a citizen science project to get people to help transcribe museum specimen labels online. Matt’s project is Orange Sulfurs in a changing climate.


Alumni update 2010

Jessica Glass continues her studies as a PhD student in the Department of Ecology and Evolutionary Biology at Yale University.

Katie Marshall is working at the Minnesota Geological Survey.

Carlos Rodriguez-Russo is studying Medicine at Warren Alpert Medical School of Brown University

Christa Jackson is a research support specialist at the Kansas Geological Survey.

NHRE Class of 2011

Back to the classroom

Submitted by Alyson Harding

I graduated from NC State in 2013 with a BA in Anthropology and a BA in Chemistry. After that I spent two years with AmeriCorps working with Habitat for Humanity. I was then hired on as a Site Supervisor with Habitat for Humanity in New Orleans. I worked there for two years, building houses for low-income families.

I just moved to Pittsburgh and I'm currently beginning my Master of Public Health in Epidemiology at the University of Pittsburgh! It's a big change, but I'm excited to go back to school. I'm sure there's a lot I'll miss about construction, but I'm ready to be back in a classroom again.
Engineering & Public Policy

Submitted by Luke Lavin

I’ve moved quite a ways from what I did with Josh in 2011 or even Anthropology generally. I’ve spent the last four years since undergrad working in electricity policy out in the Bay Area, including at Lawrence Berkeley National Lab. I’m now enrolled starting this fall in a doctoral program in Engineering and Public Policy at Carnegie Mellon University. I’m receiving funding through the university for now, but expect to be applying for outside grants, including most likely a NSF, this fall.

Alumni update 2011

Anikó Tóth is studying at Macquarie University in Australia. Her PhD research is in neo & paleo community assembly. She is in the Paleobiology lab in the Biological Sciences department at Macquarie, and her topic of research is macroecology. Anikó studies community dynamics using network approaches, and is looking at describing community structural changes that result from critical intervals/mass extinctions.

NHRE Class of 2012

City Landscaping

Submitted by Sam Hauserman

I just started my final semester of the Masters of Landscape Architecture program at the University of Arizona. For my thesis, I'm focusing on landscape infrastructure (hybridizing the city with nature, foregrounding infrastructure, making it interactive and educational instead of hiding it, replacing rigid systems with flexible ones, etc.) as an urban design approach to climate resilience. I'm planning on moving to LA after I graduate, where I hope to work for a company doing something similar! My favorite firms develop landscape architecture projects that integrate the local natural history into their designs in really creative ways.

One exciting piece of news: the studio project I was a part of last semester won a national award from the Association of Environmental Studies and Sciences. We designed Downtown Tucson as an EcoDistrict in 2050 in collaboration with the engineering firm GLHN, and won the President's Award for Educational and Environmental Collaboration and Excellence. Working with engineers and architects is fine, but I must say – I do miss the scientific community. https://issuu.com/universityofarizonaschoolofarchitect/docs/451a_fixed_book_final_spreads
On the go

Submitters by Maris Jones

From January to April, I was the Community Engagement and Outreach Fellow at the Gulf Restoration Network. Then, I interned at the CFCH from April to May. From June to July, I worked as the Program Leader for CIEE's high school Aquatic Ecosystems and Sustainability study abroad program in Lisbon, Portugal. More recently, I worked as a Leader Fellow for the Brown Environmental Leadership Lab in Alaska in August, and will be presenting at a conference in Hawai'i. I also just started working at ISeeChange, a community weather and climate journal web platform and app as their Digital Community Manager. This fall, I will be applying to anthropology PhD programs to start in 2018.

Alumni update 2012

Sarah Gaffney is in her second year at graduate school studying Ecology at UC Davis.

Tyler Imfeld is continuing his studies at the University of Minnesota, College of Biological Sciences. Study system: New World songbirds

Akela Kuwahara is a graduate student at University of California, San Francisco.

NHRE Class of 2013

A change in direction

Submitters by Caitlin Boas

I've gone rogue!

With a few whiffs of the impending shift of political climate last summer, I gave up pacing in my lab, and instead marched into an accelerated Masters of Public Administration program for Environmental Science and Public Policy. I've traded in my rock hammer, hand lens, and lab coat for a power suit and clipboard, and will be graduating from the School of International and Public Policy at Columbia University this spring. I've chosen to shift my attention from scientific endeavors that may expand our understanding of the past to policy-driven ones, utilizing science as a tool to responsibly shape our future. While this comes with its own challenges, rules, and lingo, the lack of scientists (or even just the scientifically-informed) who are positioned to effectively inform policy, has revealed to me the necessity for young people to embark on similar endeavors.
Adventures in Indonesia

Submitted by Subir B. Shakya

This past year, I had the opportunity to do field work in Indonesia. I went on two separate expeditions to Indonesia through the Louisiana State University Museum of Natural Science, accompanied by my colleagues and my advisor, Dr. Frederick Sheldon.

My first trip was to the islands of Maratua (in the Celebes Sea), Bawean (in the Java Sea), and to the island of Borneo in NE Kalimantan. These destinations, especially Maratua, were really awesome. Maratua is a resort island and had pristine beaches, sea turtles, and a lot of birds (which is why I went there). We collected in Maratua, then made our way to mainland Borneo, where we collected in a small town near Berau in the state of East Kalimantan. We had a “pet” crocodile in a rapidly deteriorating enclosure next to our campsite, which made it more entertaining (last I heard it’s still trapped in there and the locals still throw chickens in there every now and then). Finally, I made it to the island of Bawean. This was a bit of a disappointment as the island had been completely defaunated of its birdlife. We barely heard or saw any birds (except for one species of swift, and several birds of prey). There were plenty of flying foxes on the island, though.

My second Indonesia expedition was in late April. This time, we headed up a mountain, Gunung Besar (1902 m), in SE Kalimantan on the island of Borneo. It took a while to get to the base of the mountain before we could finally begin our true ascent. We set up camp at 1400 m along the only source of water on the mountain and spent 14 nights there (after spending another 5 nights at the base of the mountain preparing for this hike). The hike was treacherous, but we finally got to our camp, which the locals had set up early that morning. The interesting part about this mountain was that there had never been a collecting trip, so the birds here were still somewhat of a mystery. After harrowing encounters with snakes and bats, we managed to get great specimens of 63 species, some of which may turn out to be new (fingers crossed as I’m currently sequencing the mitochondrial genes of these birds to compare with those from other places in Borneo).
Alumni update 2013: Three recipients of NSF Fellowships.

Chris Brendel received 2017 National Science Foundation Graduate Research Fellowship this year. He is continuing his studies in linguistics at UC Santa Barbara.

Alexandra Kralick is studying for her PhD in Anthropology at the University of Pennsylvania. She received a 2017 National Science Foundation Graduate Research Fellowship.

Raquel Bryant received a National Science Foundation Fellowship. Raquel is studying Geoscience at UMass, Amherst.

NHRE Class of 2014

Returning to NMNH

Submitted by Aileen Fernandez

I am attending the University of Oregon to work on both a M.A and PhD in Biological Anthropology with a focus on functional morphology and geometric morphometrics. This summer I revisited the National Museum of Natural History to collect data for my M.A research that focuses on extant Colobine phylogeny. At NMNH I collected cranial and dental measurements for all extant genera, as well as scored qualitative characters. The purpose of this research is to find a classification method that can be applied to fossil Colobines and help clarify their phylogenetic relationship to the extant species.

GoMRI Scholar

Submitted by Allison Snider

Not much has changed for me in the past year, I am still at Louisiana State University pursuing my MS degree, studying the response of Seaside Sparrows to the 2010 Deepwater Horizon oil spill. Specifically, I'm using dna barcoding to detect and track potential dietary changes following the spill between oiled and unoiled marsh habitat.

Although not much has changed, I do have a couple of tidbits that may be of interest. In the past year, I was awarded an Honorable Mention for my application to the GRFP and I have been nominated for and accepted as a Gulf of Mexico Research Initiative (GoMRI) Scholar. The GoMRI Scholar is a recognition for outstanding graduate students within the GoMRI organization (GoMRI is the institution that supports and funds my work, here is the link to the GoMRI scholar page for more information:

http://gulfresearchinitiative.org/category/news/gomri-scholars/
Big Life Changes

Submitted by Casey Bricker Lamm

As you may have seen on Facebook, I recently became a wife and a mother. I married my childhood sweetheart earlier this year in May. We got married on the beach in Myrtle Beach, SC.

My husband and I welcomed our son Brendon Michael Lamm Jr. on August 25, 2017. He was 7 lb 8 oz and measured 20 inches. He was born at Mercy Hospital, Pittsburgh, Pa.

I am currently working at Children’s Hospital of Pittsburgh where I have been employed for the last two years. Children’s Hospital is ranked in the top ten pediatric hospitals in the country. I work in the Pediatric Orthopedic Surgery Department, where I apply various forms of casts and assist the surgeons in the clinics. In the future, I hope to advance my career in Orthopedic medical research at Children’s.

This past April, my NHRE mentor, Doug, made a visit to my campus at the California University of Pennsylvania. He gave a lecture and was the keynote speaker at my Anthropology Lambda Alpha dinner where current and alumni students come together. It was an absolute honor to have my mentor from the Smithsonian visit my campus and to see him again. I promised Doug that my family and I will be making a visit to DC and the museum next summer so that he could see the baby.

Pursuing a PhD

Submitted by Shaina Lu

I graduated in with a BA in biology and a minor in computer science with high honors from Swarthmore College in 2016. I am enrolled in graduate school at the Watson School of Biological Sciences at Cold Spring Harbor Laboratory. I am pursuing a PhD in biology; my field is computational biology in a neuroscience lab.

Earth Science at Boston University

Submitted by Claudia Mazur

I will begin my Ph.D in Earth Sciences this fall at Boston University, where I will work with Dr. Robinson “Wally” Fulweiler on coastal biogeochemistry. I will also be pursuing a Biogeoscience Advanced Graduate Certificate during my time at BU. I started working in Wally’s lab this summer and am really enjoying my time in Boston so far. I’ve reunited with Jennifer Kenyon (who still continues to be one of my closest friends) and will be seeing Dennis Zhu when he is in town.
One year to go

Submitted by Kate Sherwood

I have one more year left in my master's program! I am pursuing my M.A. in Museum Studies with a focus in digital collections management from George Washington University.

After interning, volunteering, and contracting since 2014, I am finally a federal employee at the National Museum of Natural History! I am now a photographer for the entire museum, but my specialty still is photographing human skeletal and mummified remains and field expeditions. I look forward to a long career at the place I've called home since my NHRE internship with Doug Owsley and Kari Bruwelheide in 2014.

Alumni update 2014

Noah Winters is currently enrolled in a PhD program in Ecology at Penn State University.

Sterling Herron switched to a PhD program, and is studying Botany in the Allison Miller Lab at St Louis University.

NHRE Class of 2015

Travels in the US and Europe

Submitted by Meena Said

In the last few months I have been fortunate enough to do a lot of travelling. I have travelled to New Mexico, Tennessee, and Paris, France. In New Mexico, I and colleagues met with residents of the Navajo Nation to discuss abandoned uranium mine contamination in the region as well as potential short-term solutions. In Tennessee, I attended the first annual interagency nuclear forensics program review (ITNFPR) at Oak Ridge National Laboratory (ORNL). Lastly, in Paris, France, I presented a paper with a fellow lab mate on research regarding abandoned uranium mines on the Navajo Nation.

I have started my second year at Notre Dame studying actinide chemistry, and I will be completing my qualifying exams this January!

In addition to my travels, this is my second year in competing on the Notre Dame Women’s Boxing Club. While I won’t fight in the end-of-season tournament, I love learning the technical skills of boxing along with the intense mental and physical engagement. This year, we are trying to raise enough money to build a dormitory for the students of Holy Cross Lake View Secondary School in Uganda, and every donation is generously matched by the Wolohan Family Foundation.

“Notre Dame - MobileCause”

app.mobilecause.com
Lighting the pathway

Doctoral student Sierra Kaufman was selected as part of the fourth cohort of students in the Lighting the Pathway to Faculty Careers for Natives in STEM from the American Indian Science and Engineering Society (AISES). Kaufman is a member of the Shinnecock Nation, a small tribe on Long Island. At Brown she studies in the Earth, Environmental, and Planetary Sciences program and is also a Presidential Fellow.

"This fellowship is important to me because it offers support and mentoring sensitive to the issues relevant to Native Americans. My short term goal is to become a capable and competitive applicant for future academic positions and in the long term, to be able to give back by mentoring young members of a diverse STEM community," says Kaufman.

She will receive a stipend for two years and travel funding to attend the AISES National Conference and Leadership Summit in Denver. At the conference, Kaufman will be assigned a Native STEM faculty mentor and will have the opportunity to engage with the active community of Native STEM researchers.

"I am now a part of a more connected network with mentors who have faced many of the hurdles that I am likely to encounter on my journey to become a faculty member. While networking at conferences in my field may enable me to meet a small subset of people who share my very specific interests, I believe being part of a cohort of people with both broadly similar backgrounds and goals will offer a different, enriching, and valuable experience which will help me grow and succeed," says Kaufman.

AISES was awarded a 5-year NSF grant to create this program with the goal of increasing the representation of American Indians, Alaska Native, and Native Hawaiians in STEM faculty positions at universities and tribal colleges across the country. The program aims to create an intergenerational community of students and faculty and to provide students with valuable academic and professional support, travel Doctoral student Sierra Kaufman was selected as part of the fourth cohort of students in the Lighting the Pathway to Faculty Careers for Natives in STEM from the American Indian Science and Engineering Society (AISES).

Alumni update 2015

Ali Galezo is currently a Research Associate at the Shark Bay Dolphin Project, Washington DC.

Rachel Johnson is currently enrolled at the University of Colorado, Denver, pursuing a M.S. in Biostatistics
**Wilson Guillory** is attending graduate school at Southern Illinois University, Carbondale. He is working with Dr. Jason Brown on poison dart frog systematics and biogeography. Wilson is working towards a Master’s degree, at which point, he plans to pursue a PhD.

**Ashly Romero** is starting her second year of a Master’s program in biological anthropology at the University of Arkansas.

**Andree Cunningham** is a 2017 recipient of a National Science Foundation Research Fellowship. Andree is a Master’s student at the University of Florida Graduate School.

**Johanna Obenda** has just started a Master’s program at Brown University in Public Humanities. She is also a graduate fellow for the Center of the Study of Slavery and Justice.

**Olivia Van Damme** is featured in the California State University website, “Sharing love for the Sea”

http://today.csuchico.edu/sharing-a-love-for-the-sea/

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**NHRE Class of 2016**

**Researching the Cleetwood eruption for senior thesis**

*Submitted by Darien Florez*

Although nothing too special has happened just quite yet, I'm bracing for what I hope to be an exciting school year coming up. Anyways, here are some noteworthy things that might be of interest for the newsletter:

Since my time at the NHRE, I have moved a short distance away from Dallas to Austin and transferred to UT to finish my bachelors. By May 2018, I will graduate with a BS in geology and will hopefully be attending grad school by Fall 2018.

While at UT, I have taken up a small research project on which I'll write my senior thesis. The focus of the project is to constrain the decompression rate of magma during the Cleetwood eruption, which took place in Oregon around 7,000 years ago, by calibrating the textures present as a function of pressure decrease.

Collection tour of the Fish Division at MSC
Emma Sosa receives a Dwornik award

Emma received the Dwornik award given by the Planetary Geology Division of the Geological Sciences of America in the best undergraduate poster competition for her presentation at the last Lunar and Planetary Science Conference on experimental melting of R chondrites to form the GRA 06128/129 meteorites. Emma presented her 2016 NHRE poster.

Enrolled at Harvard

Submitted by Brianna Weir

I'm happy to report back about my graduation from Mount Holyoke, and excited about the updates! I graduated with a B.A. in Biological Sciences, Summa Cum Laude for my thesis and member of Phi Beta Kappa.

For next year, I'm enrolled at the Harvard University Graduate School of Arts and Sciences. I'm a PhD student in Organismal and Evolutionary Biology working with David Haig. I can't wait to move there soon to start, and enjoy my office space in the Harvard Museum of Natural History.

Presentation at the 2016 Society of American Archaeology

Kate Woolard presented at the Society for American Archaeology conference, she was the first author on the presentation, and the only undergrad in a group of some pretty high-powered people in zooarchaeology. She received a number of compliments on her presentation.

Her NHRE Mentor, Briana Pobiner, accompanied her to the conference.

Working on Reduviids

Submitted by Stephanie Castillo

I graduated in December 2016 from San Diego State University with a B.S. degree in Biology with an emphasis in Evolution and Systematics. I am now at the University of California, Riverside, as a Ph.D. student in the Entomology department, working with Dr. Christiane Weirauch on reduviids.
Peace Corps in the Dominican Republic

Submitted by Elizabeth Reardon

I graduated in May 2017 with a Biology BS, and Environmental Studies minor. Since graduating, I have been invited to serve in the Peace Corps (pending medical clearance) in the Dominican Republic, beginning in February!

Alumni update 2016

Emma Frawley graduated from Bucknell in May, with a B.A with honors. She will be applying to graduate school this year or next. She is currently employed as a research assistant in biology with Allison Miller at Saint Louis University.

Nadège Aoki was nominated to attend the 2017 Sciences of Limnology & Oceanography meeting in Hawaii. She returned to NMNH this past summer to work with Karen Osborn again.

Elizabeth ‘Dalyn’ Grindle graduated from the University of Wyoming in December 2016 with a B.A in Anthropology. She is currently enrolled in a PhD program at Harvard University studying Archaeology. Dalyn was a 2017 recipient of a National Science Foundation Research Fellowship.

Melanie Sorman graduated last May as a geology major and physical science minor. She is currently attending Miami University in Oxford, Ohio as a geology masters student working under Carrie Tyler. Melanie is working on Mesozoic food webs and how predation affects community structure in paleontology.

Ashley Dafoe graduated in May 2017 from the University of Wyoming with a BA in Anthropology. She returned to NMNH this past summer, to work with Doug Owsley for 10 weeks. Ashley just started a Master’s program in Applied Anthropology at Mississippi State University. She is fully funded through a teaching assistantship and a fellowship from the graduate school. Ashley’s major professor is Dr. Molly Zuckerman.

2017: Museum Outreach Day

IZ intern: Abigail Pratt

VZ intern: Kyle Jaynes
Scientific Illustration with Alice Tangerini: Botany Department

The three hour workshop was an addition to the Friday Collection Tours

NHRE Professional Presentations and Publications

Here we list all professional presentations given by NHRE alumni. If you published or presented your work at a conference and you don’t see it listed here, please let us know.

NHRE Publications


**NHRE Presentations**


Romero, Ashly; Sholts, Sabrina; Hakansson, Helen; Vilukela, Matti. 2016. Craniofacial and dental effects shown in rats following in utero/lactational exposure to 2,2',3,4,4',5,5'-heptachlorobiphenyl (PCB-180). Annual Meeting of the American Association of Physical Anthropologists (Poster presentation).

Obenda, Johann; Pobiner, Briana; Potts, Richard. 2016. The effect of context on visitor responses to the question “What does it mean to be human?” Annual Meeting of the American Association of Physical Anthropologists (Poster presentation).


Schwartz LC; Gonzalez VL; Goetz FE; Maslakova SA; Wirshing HH; Norenburg JL. 2016. Carcinonemertidae: ribbon worms in search of their family history. SICB Annual Meeting 2016 (Poster presentation).


Miller, H; Rogers, J D. 2015. Using agent-based modeling to examine the effects of social connectivity on resilience. Annual Meeting of the American Association of Geographers (Poster presentation).

Sherwood, Kate D; Owsley, Douglas W; Bruwelheide, Kari S; Rouse, Stephen L; Hurlbert, Donald E. 2015. Basketmakers revealed: Physical, CT, and 3D analyses of mummified human remains from the southwest. American Association of Physical Anthropologists (Poster presentation).


Kenyon, J; Rosenfeld, C; Santelli, C. 2015. Investigating the effects of Se on fungal growth and biomineral production. Goldschmidt Conference (Poster presentation).


Said, Meena; Birner, Suzanne; Cottrell, Elizabeth. 2015. Oxygen Fugacity of Abyssal Peridotites Along the Gakkel Ridge. Fall Meeting of the American Geophysical Union (Poster presentation).

Said, M; Birner, S K; Cottrell, E. 2015. Oxygen fugacity of abyssal peridotites along the Gakkel Ridge. Fall Meeting of the American Geophysical Union (Poster presentation).


Burke, Janet; Behrensmeyer, Anna K; Badgley, Catherine; Barry, John; Lyons, S Kathleen. 2014. Assessing the impact of time-averaging on a Miocene vertebrate fauna from northern Pakistan. North American Paleontological Convention (Poster presentation).


Bricker, Casey M; Owsley, Douglas W; Bruwelheide, Kari S; Jull-Walski, Deborah A. 2014. Identification and taphonomic analysis of iron coffin burials from southeast Virginia. PASSHE Undergraduate Research Conference in Science, Technology, Engineering, and Mathematics (Poster presentation).

Sherwood, Kate D; Owsley, Douglas W; Bruwelheide, Kari S; Rouse, Stephen L; Hurlbert, Donald E. 2014. Basketmakers revealed: Physical, CT, and 3D analysis of mummified human remains from the Southwest. Conference on Undergraduate Research (Poster presentation).

Wall, K; Davis, F A; Cottrell, E. 2014. Oxygen fugacity recorded by xenoliths from Pacific oceanic islands. Geological Society of America (Poster presentation).

Wall, K; Cottrell, E. 2014. Oxygen fugacity recorded by xenoliths from Pacific oceanic islands. Fall Meeting of the American Geophysical Union (Poster presentation).


Kenyon, Jennifer; Rosenfeld, Carla; Santelli, Cara. 2014. Investigating the effects of selenium on fungal growth and mineral production. Louisiana State University Undergraduate Research Conference (Poster presentation).

Rosenfeld, C; Kenyon, J; Santelli, C. 2014. Environmental selenium transformations: Distinguishing abiotic and biotic factors influencing Se redox transformations. Fall Meeting of the American Geophysical Union (Oral presentation).

Mazur, Claudia I; Erwin, Douglas H; Jones, Clive, G. 2014. Ecosystem engineering during the early Cambrian. Sigma Xi International Research Conference (Poster presentation).


Selecting pictures or graphics is a key to a successful newsletter. Think about your article and ask yourself if the picture supports or enhances the message you're trying to convey to your newsletter. There are thousands of clip art images from Microsoft Publisher that you can choose from, which you can choose and import into your newsletter. There are also several tools you can use to draw shapes and symbols.

Once you have chosen an image, place it close to the article. Be sure to place the caption of the image near the image. You can also research articles or reports. For instance, an advice column, a book review, a letter from the president, or an editorial. You can also profile new employees or top customers or vendors. You may also want to note business predictions for your customers or vendors. You can include stories that focus on the history, mission, and reports of your organization. The subject matter that appears in newsletters is virtually endless. The key to a successful newsletter is to determine which aspects of your business you will try to keep your articles short. Sales figures or earnings will promote a new product. You can also research articles or reports. For instance, an advice column, a book review, a letter from the president, or an editorial. You can also profile new employees or top customers or vendors. You may also want to note business predictions for your customers or vendors. Some newsletters include a column that is updated every issue, such as a sales report or a book review.

Atta, Calder J; LaFlamme, Marc; Sessa, Jocelyn A; Tweedt, Sarah; Erwin, Douglas H. 2012. Taphonomic biases influencing exceptionally preserved Naraoia from the Burgess Shale. Geological Society of America Annual Meeting (Poster presentation).


Ramirez, Gabrielle; Andrews, Benjamin; Dennen, Robert. 2013. Transport and sedimentation in unconfined experimental dilute pyroclastic density currents. Fall Meeting of the American Geophysical Union (Poster presentation).


Toth, A.; Behrensmeyer, A K.; Miller, J; Lyons, S K. 2013. Species richness, community dynamics, and time-averaging in recent Kenyan ecosystems. 10th North American Paleontological Convention (Oral presentation).


Keil, D; Collins, A; Yanagihara, A; Lewis, C; Gillan, B. 2012. Jellyfish phylogenetics. Southern Regional Honors Conference (Oral presentation).


Atta, Calder J; LaFlamme, Marc; Sessa, Jocelyn A; Tweedt, Sarah; Erwin, Douglas H. 2012. Taphonomic biases influencing exceptionally preserved Naraoia from the Burgess Shale. Geological Society of America Annual Meeting (Poster presentation).
This story can fit 150-200 words.

One benefit of using your newsletter as a promotional tool is that you can reuse content from other marketing materials, such as press releases, market studies, and reports.

While your main goal of distributing a newsletter might be to sell your product or service, the key to a successful newsletter is making it useful to your readers. A great way to add useful content to your newsletter is to develop and write your own articles, or include a calendar of upcoming events or a special offer that promotes a new product. You can also research articles or find “filler” articles by accessing the World Wide Web. You can write about a variety of topics but try to keep your articles short. Much of the content you put in your newsletter can also be used for your Web site. Microsoft Publisher offers a simple way to convert your newsletter to a Web publication. So, when you’re finished writing your newsletter, convert it to a Web site and post it.

Selecting pictures or graphics is an important part of adding content to your newsletter. Think about your article and ask yourself if the picture supports or enhances the message you’re trying to convey. Avoid selecting images that appear to be out of context.

Microsoft Publisher includes thousands of clip art images from Inside Story Headline. There are also several tools you can use to draw shapes and symbols. Once you have chosen an image, place it close to the article. Be sure to place the caption of the image near the image.

This story can fit 75-125 words.

The subject matter that appears in newsletters is virtually endless. You can include stories that focus on current technologies or innovations in your field. You may also want to note business or economic trends, or make predictions for your customers or clients. If the newsletter is distributed internally, you might comment upon new procedures or improvements to the business. Sales figures or earnings will show how your business is growing. Some newsletters include a column that is updated every issue, for instance, an advice column, a book review, a letter from the president, or an editorial. You can also profile new employees or top customers or vendors.

This story can fit 100-150 words.

Lopez, O; Cottrell, E; Warren, J. 2012. Upper mantle oxygen fugacity in ridge and subduction zone settings recorded by spinel peridotite. Fall Meeting of the American Geophysical Union (Poster presentation).


Jagani, Sheel; Rick, Torben; Hofman, Courtney. 2011. Ancient Oyster Fisheries of the Chesapeake Bay: Methods and Implications. Annual Meeting of the Society for American Archaeology (Poster presentation).

