
**This is the thirteenth week of the spring 2015 semester.**

**ALERTS:**

- The School of Meteorology's Tutoring/Help Desk office is now located behind the OWL Student Forecast Office on the first floor of the National Weather Center. The SoM Help Desk is open from 7:00 PM – 9:00 PM, Monday-Thursday and is intended to provide assistance for all undergraduate meteorology courses.

- The Gary England video series is now live at [garyengland.ou.edu](http://garyengland.ou.edu) Check it out!

- Sooner Saturday now takes place in April – and we need student volunteers! Mark your calendars for Saturday, April 25th, when the College will host High School juniors and their parents for a day of fun and information. Please e-mail the College’s Events Planner Mona Springfield at [mspringfield@ou.edu](mailto:mspringfield@ou.edu) if you’d like to help out.
The Oklahoma Scottish Pipe and Drum Corps will once again provide the rousing opening and closing music at this year’s A&GS Convocation.

Spring and Summer 2015 Degree Candidates

Undergraduates:

- Would you please take a few moments to complete the A&GS Exit Evaluation? Your participation in this survey will greatly assist us in planning for the College’s future. Here is the link: https://ousurvey.qualtrics.com/SE/?SID=SV_e4LPsEDYllxULk1
- Have you registered with OU’s Office of Career Services yet? Make sure you take full advantage of the many fine services this office provides. We recommend you register even if you’re planning on going to graduate school, as that process also involves resumes, cover letters, and interviews. The Office of Career Services is located on the third floor of the Oklahoma Memorial Union. The A&GS contact there is Mr. Rick Dubler.

Undergraduates and Graduate Students:

- We were recently asked by a graduating senior if we could announce that she is a third-generation graduate at the College’s May 9th Convocation. We think this is an outstanding idea so of course we said YES! We would very much like to add this component to our celebration for all degree candidates. Are you a second, third, fourth (or even fifth?) generation College graduate? Or are you perhaps, the FIRST!? Along with your name and degree, we can announce this information as you walk across the stage. Details as we get closer to the date – but be thinking about it now!

Gallery of Great Achievements
On behalf of the A&GS faculty and staff, we send BIG CONGRATULATIONS to the following students for their outstanding academic accomplishments this spring:

Environmental Sustainability major **Madeline Hinchliffe**, Class of 2015, won the American Association of Geographers (AAG) Peter Gould Undergraduate Student paper Competition for Health and Medical Geography. Madeline will present her paper, "Measuring Perceptions of Collegiate Students to Assess Shampoo Purchasing Decisions" at the annual AAG meeting in Chicago later this month. The paper examines the perceptions of chemicals used in shampoos (in particular, Sodium Lauryl Sulfate) and the environmental impacts of those components.

Environmental Sustainability major **Morgan Ederer**, Class of 2017, has been awarded an Undergraduate Research Opportunity Program (UROP) grant by the Honors College at the University of Oklahoma. Morgan will work under the supervision of Dr. Jad Ziolkowska from the Department of Geography and Environmental Sustainability to evaluate impacts of drought on water usage for agricultural production in Oklahoma. The project ties to the NSF Oklahoma EPSCoR project "Adapting Socio-ecological Systems to Increased Climate Variability."
Meteorology major **Benjamin Toms**, Class of 2016, is the winner of this year’s David James Shellberg Scholarship for his paper “Development of a Black Ice Prediction Model for Emergency Preparedness and Response.” This $500 scholarship is presented each year to a student in recognition of exemplary research using geophysical data. **Ben** is also the recipient of a prestigious Barry Goldwater Scholarship for Excellence in Education. This program was established by Congress in 1986 to honor Senator Barry Goldwater, who served his country for 56 years as a soldier and statesman, including 30 years of service in the US Senate. The purpose of the Foundation is to provide a continuing source of highly qualified scientists, mathematicians, and engineers by awarding scholarships to college students who intend to pursue research in these fields.

Meteorology major **Joshua Wadler**, Class of 2016, earned a Goldwater Scholarship Honorable Mention.

**Dr. Aaron Johnson**, a postdoctoral research scientist in the School of Meteorology, was the recipient of a 2014 Provost's PhD Dissertation Award for his paper “Optimal Design of a Multi-Scale Ensemble System for Convective Scale Probabilistic Forecasts: Data Assimilation and Initial Condition Perturbation Methods.” Dr. Johnson earned his doctoral degree from OU in December, 2014.

**Looking for a great Upper Division A&GS elective?**

Check out one of these fall 2015 offerings!
Applications of Weather Forecasting

Have you ever wondered why OU decided to delay opening instead of complete closure in the face of ice and snow? Then check out METR 4970, sec. 001 “Applications of Weather Forecasting: Weather Forecasting in Support of Critical Decision Making” this fall. Blending lectures, individual labs, online activities, group table-top exercises and presentations, you will be immersed into the world of decision makers who each deal with weather as but one factor in a complex web of information streams and external demands that pit the protection of life and property against profit and enjoyment/entertainment.

The course is taught by Dr. Kevin Kloesel and meets M-T from 3:00 PM – 4:30 PM in the National Weather Center, Room 5600. The only pre-req is junior/senior status (contact Assistant Dean Hempe at mahempe@ou.edu if you run into any enrollment problems).

Private Sector Meteorology

“Private Sector Meteorology” will cover the basic considerations for operating a private sector company: agricultural meteorology, fire weather meteorology, transportation meteorology, forensic meteorology, and the National Weather Center, Room 5930. The prerequisite is a minimum of junior level in the meteorology curriculum (i.e., be concurrently enrolled in or have completed Dynamics I and Physical I). It is available to undergraduates under METR 4713 and to graduate students under METR 5713. Contact Assistant Dean Hempe at mahempe@ou.edu.
“Managing for Climate Change” (GEOG 3890, sec. 001) is a dynamic new climate course that will be offered for the first time this fall. The course will be co-taught by A&GS Dean Berrien Moore, Dr. Elinor Martin from the School of Meteorology, and Dr. Renee McPherson from the Department of Geography & Environmental Sustainability. There will also be guest instructors from the research and management communities.

Students who take this course will gain an understanding of the climate system and learn how climate varies, discover the impacts of climate change on our region and management decisions, understand how decisions are made under uncertainty—and much more!

The class meets Tuesday and Thursday from 3:00 PM – 4:15 PM, and the only pre-requisite is junior/senior status or instructor permission.

For more information, please contact Aparna@ou.edu. For permission to enroll, contact Asst. Dean Hempe at mahempe@ou.edu.

This week’s Extras

Student Success Series:

Monday, April 6: “Time Management” 4:00 PM – 5:00 PM, Wagner Hall, Room 250

ANNOUNCEMENTS FOR MM?

If you have any announcement you would like posted in Monday Memo (e.g., meetings, seminars, jobs, internships or just some great news) please send it to Asst.
Dean Hempe (mahempe@ou.edu) by Friday at noon to appear in the next week’s edition.

American James Connolly at the 1896 Olympics; he was 27 years old.

On this Day in History:

In 1889, George Eastman’s Kodak Camera hit the market with the slogan, “You press the button, we do the rest.”

In 1896, the first modern Olympic Games began in Athens, Greece; 241 male athletes from 14 nations competed in 43 events. Boston-born James Connolly took home the first-ever first-place medal (which was actually a silver medal back then, presented with an olive branch. Gold medals didn’t show up until the 1904 Olympics). The Americans had the most first-place finishes overall, too, with eleven. Greece was a close second at ten.

In 1916, Charlie Chaplin became the highest-paid film star in the world when he signed a contract with Mutual Film Corporation for $675,000 a year (well over $14 million today). He was 26 years old.

In 1917, the U.S. Congress approved a declaration of war on Germany and entered World War I on the Allied side. The war finally ended on November 11, 1918, with over 16 million people dead – 116,516 of them Americans. Another 20 million were wounded.

In 1930, Hostess Twinkies snack cakes were invented by James “Jimmy” A. Dewar, plant manager at Continental Baking Company in Chicago as an inexpensive treat (they were two for a nickel) that people could afford during the Great Depression. Twinkies originally contained banana creme filling, but vanilla creme was
substituted during the WW II when bananas became scarce and became the defining flavor.

**In 1936**, a tornado outbreak in the deep South resulted in a total of 446 deaths and eighteen million dollars damage. During the evening of the 5\(^{th}\), a tornado hit Tupelo, Mississippi, killing 216 people, injuring 700 more and causing over $3 million in damage. On the morning of the 6\(^{th}\), the paths of two tornadoes met about 8:30 AM and cut a swath four blocks wide through Gainesville, Georgia, killing 203 people, injuring 934 and causing $13 million in damage.

**In 1965**, [U.S. President Lyndon B. Johnson](https://en.wikipedia.org/wiki/Lyndon_B._Johnson) authorized the use of ground troops in combat operations in Vietnam. The Vietnam War ended with the fall of Saigon on April 30, 1975. Total deaths are estimated to be between 1.5 and 3.6 million people. Over 47,000 of them were Americans.

**In 1968**, Stanley's Kubrick's science-fiction masterpiece *2001: A Space Odyssey* made its debut in movie theaters. We're still trying to figure out what it means.

**In 1985**, William J. Schroeder became the first artificial heart recipient to be discharged from the hospital. He died on August 6, 1986, 620 days after receiving a Jarvik-7 artificial heart.

**In 1987**, the Dow Jones industrial average closed above 2,400 for the first time. **In 1998** on this date, it closed above 9,000 for the first time. As of this writing, the Dow is at 17,786.

**And your parting shot:**
Patience paid off for photographer Hernando Rivera Cervantes, who spent eight hours watching Mexico’s Colima volcano erupt before snapping this poster-worthy shot of lightning in the ash cloud. The volcano, also known as the Fire volcano, is located 301 miles west of Mexico City. The lightning is thought to occur due to the build-up of electric charge in the ash cloud as the particles rub against each other. Just like in a thunder cloud, this charge eventually builds up until it seeks a path through to the ground as lightning.
Please remember to like us on Facebook (https://www.facebook.com/OU.AGS) and follow us on Twitter (@OUAGS)!

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