



Faculty, Staff Grab Headlines Around the Globe

University of Colorado Boulder

CU-Boulder anthropologist talks Nubian mummies

In his climate-controlled "cemetery," University of Colorado anthropologist **Dennis Van Gerven** preserves roughly 420 Nubian mummies that provide clues about life and death in A.D. 600. Leading up to one of his public talks, he picked up the jaw of one of the mummies, ran his finger over it and explained that the Sahara desert's sand persistently mixed with the ancient people's food, grinding down their teeth. The jaw line of another mummy -- a baby with curly, amber hair -- hints that it was of teething age at the time of death. On Sept. 29, Van Gerven took a couple of mummies from his collection to the Longmont Senior Center for a public talk, "Life and Death in Nubia: Tales From the Crypt." **Daily Camera**



Climate's missing 'heat' locked up in the ocean

Scientists in Boulder might have discovered the location of the climate's "missing heat," which could explain why global air temperatures haven't risen as much in the past decade as scientists expected, according to a new study by the National Center for Atmospheric Research, a part of the CU-Boulder Environmental Studies program. **Kevin Trenberth** and his colleagues, including lead author **Gerald Meehl**, were able to show that the excess heat is likely buried deeper than 1,000 feet in the ocean, where researchers have few reliable temperature gauges. **Daily Camera**

Draper elevated to vice chancellor for strategic relations

Frances Draper, former associate vice chancellor for strategic relations, has been elevated to vice chancellor for strategic relations. The new position will consolidate all internal and external communication, including marketing, advertising, media, publications, web development, and business, alumni and government relations. **Colorado Daily**.



Supervisor honored by Boulder County for community service

Longmont resident **Alex Acosta**, assistant supervisor for custodial services at the University of Colorado Boulder, is a recipient of the Boulder County Community Action Program's Multicultural Award for community service. The awards, now in their 23rd year, honor people from different ethnic backgrounds who have made significant contributions in the arts, business, community service, education, government, health, partners, science and youth. Acosta learned English through Intercambio Uniting Communities in 2001, and now serves on the city of Longmont's housing and human services advisory board and the Longmont police review panel. **Poten & Partners**



Becker uses infrared laser to help spring electrons

An electron takes only billionths of a billionth of a second to escape its host molecule - mere attoseconds. Now we have the first snapshots of what is the initial step in almost every chemical reaction. "We can watch not only the atoms and the nuclei in a chemical reaction. Now we can even watch the electrons," says physicist **Andreas Becker** of the University of Colorado Boulder. His team, mostly based at Goethe University in Frankfurt, Germany, zapped a molecular hydrogen ion -- composed of two protons and one electron, the simplest molecule known -- with an ultrafast infrared laser pulse. This booted the electron out of the ion and allowed the researchers to trace the path it took. **NewScientist**

University of Colorado Colorado Springs

White House highlights UCCS chancellor as 'Champion of Change'

Each week the White House highlights "Champions of Change" who are making an impact in communities and helping America rise to meet the challenges of the 21st century. On Wednesday, Sept. 20, UCCS Chancellor **Pam Shockley-Zalabak** was selected as a "Champion of Change" and participated in a roundtable discussion on the positive impact of many community colleges across the nation. Shockley-Zalabak talked about the Southern Colorado Education Consortium, a partnership between two- and four-year colleges in southern Colorado to improve student success in the region. **See the video. UCCS in the News**



Miller one of 'Top 100' influential people

Paul Miller, professor in the College of Business, was recently named as one of America's Top 100 Most Influential People by *Accounting Today* magazine. Miller was cited for his advocacy of accounting standards and encouragement of debate about adoption of International Financial Reporting Standards. **UCCS Communiqué**

UCCS prof speaks on 'The Perils of Judicial Policymaking: Practical Case for Separation of Powers'

Joshua Dunn, associate professor of political science, writes that critics of the judiciary's ever-growing role in American politics usually focus on how it erodes self-government or, most severely, leads to judicial tyranny. If, as James Madison argues in Federalist No. 47, the accumulation of legislative, executive, and judicial powers in the same hands "is the very definition of tyranny," these concerns are well-founded. With the courts determining public policy on everything from abortion to obscenity to public displays of the Ten Commandments, there is no shortage of evidence on display, he notes.



Heritage Foundation

New first responders: Twitter, Facebook status

As the East Coast endured an earthquake and hurricane, many relied on social media last week to find out what was going on and keep tabs on loved ones. It was a luxury we didn't have a decade ago when terrorists attacked the World Trade Center and Pentagon. **Jeannette Sutton**, senior research scientist for the University of Colorado Colorado Springs' Trauma, Health and Hazards Center, noted that after Sept. 11, 2001, people communicated about missing loved ones by posting paper fliers all across New York City. A couple of years later, with the tsunami in Asia, people were posting pictures on Flickr. **Main Street**

University of Colorado Denver

For 30 years, LEAP has helped children with autism spectrum disorder

Pittsburgh is an appropriate place to mark the 30th anniversary of the Learning Experiences: an Alternative Program (LEAP), because in 1981, **Phil Strain**, now a professor of educational psychology at the University of Colorado Denver, started the first LEAP program in Mifflin Elementary School in Lincoln Place. Strain conducted some small-scale studies where children who had autism were grouped in classes with typically developing peers. Those studies, which lasted just a few weeks, showed that children with autism improved socially when they had the example of their peers to imitate. Mr. Strain designed the LEAP preschool at Mifflin to group autistic children with typically developing children on a daily basis for a few years, rather than a few weeks. There are now more than 100 LEAP programs across the country. **Pittsburgh Post-Gazette**

Top palaeontologists to take closer look at Broome dinosaur footprints

Two leading palaeontologists will be flown in from North America to examine the dinosaur footprints found at the site of the proposed Browse Basin gas hub near Broome, Australia. **Martin Lockley**, a geology professor from the University of Colorado Denver, and Richard McCrea, a curator at the Peace Region Palaeontology Research Centre in Canada, will travel to the Kimberley to study the dinosaur footprints and provide more information on their importance. The ancient footprints run along part of the Dampier Peninsula and have been found on the tidal flats at James Price Point, the location earmarked for Woodside's \$30 billion natural gas project. **Perth Now**



Green Criminology: Cleaning up the environment as a crime prevention technique

Paul Stretesky has become a pioneer in a new field called green criminology, which focuses on environmental harm, crime, law, regulation, victimization and justice. Stretesky, associate professor at the School of Public Affairs, has focused on the causes and impact of environmental hazards and crime, what is being done to prevent future harm and how all of this affects historically marginalized communities. Today, the associate professor at the School of Public Affairs is nationally known for his prolific work and expertise. His publications include two books and more than 50 peer-reviewed studies and book chapters. **CU Denver Newsroom**



Anschutz Medical Campus

Diabetes patients require more realistic exercise goals

Contemporary exercise guidelines for type 2 diabetes patients take a kinder, gentler approach than previous versions did. This stance is based partly on scientific advances, but there's also greater common-sense recognition among health care providers that type 2 diabetes patients find it tough to embark on an exercise program and even harder to stick with it. Current guidelines aim to remove barriers to doing so, **Judith G. Regensteiner**, professor of medicine and director of the center for women's health at the University of Colorado Anschutz Medical Center, said at a conference on practical ways to achieve targets in diabetes care. **Internal Medicine News**



Folic acid can worsen birth defects

Doctors worldwide advise mothers-to-be to take a folic acid supplement. That's because pregnant women with a deficiency of this vitamin have an increased chance of giving birth to a baby with serious birth defects, such as spina bifida and anencephaly. Yet a new mouse study shows that folic acid supplementation can increase the risk of birth defects or even cause the death of embryos. Developmental biologist **Lee Niswander** of the University of Colorado School of Medicine set out to investigate folic acid supplementation in mice genetically predisposed to giving birth to embryos with neural tube defects. Researchers found in three of the five strains, the extra folic acid seemed to worsen the severity of birth defects rather than remedy them. **Science Now**

Clinical characteristics might identify heart failure patients at risk for poor quality of life

Researchers have identified the clinical characteristics associated with heart failure patients who are at high risk for a persistently unfavorable quality of life. **Larry Allen**, assistant professor of medicine in the Division of Cardiology, and co-authors report specific information can target patients for whom aggressive treatment options such as devices or transplantation and/or end-of-life discussions should be strongly considered before hospital discharge. **Medwire News**



University of Colorado Students, Alumni

CU-Boulder students engineer toys for the blind

The girls' giggles filled a University of Colorado engineering lab that temporarily was transformed into a play gym as students tested out modified balls, a hockey puck and a Twister game. It's the lab where CU engineering students are custom-designing toys for two elementary school girls -- both of whom are blind. Earlier this month, Maddie Stallman, 10, and Jalena,

7 -- along with Boulder Valley School District teachers who work with them -- met with the engineering students to explain the shortcomings of gym-class balls and games now on the market. **Daily Camera.**

Longmont High celebrates Constitution Day with moot court led by CU-Boulder students

High schoolers played lawyers recently as their government classroom was staged as a moot court and they debated whether a student's controversial Facebook post was protected by the First Amendment. The lesson -- tailored for a high school audience and taught by University of Colorado law students -- honored Constitution Day, commemorating the Sept. 17, 1787, signing of the U.S. Constitution. **Daily Camera**

NCAA chooses CU medical student a Woman of the Year finalist

Kelsey Ward, a first-year student at the University of Colorado School of Medicine, is one of only nine national finalists for the NCAA Woman of the Year Award. Ward was on the Drury University women's swimming team, which won three national championships in a row. In her college swimming career, Ward was part of eight title-winning relay teams. Along with student group activities, she also found time to volunteer for Special Olympics and various community and charitable efforts.

CU Denver Newsroom