Scientists unveil top 10 new species list

By Carol Hughes

The International Institute for Species Exploration at Arizona State University and an international committee of taxonomists unveiled the top 10 new species described in 2008.

The May 22 announcement was timed to coincide with the anniversary of the May 23 birth of Carl Linnaeus, who initiated the modern system of plant and animal names and classification.

On the list are a sea-colored seahorse, caffeine-free coffee and bacteria that live in hairpits. The top 10 new species also include the very tiny (a snake just a diller longer than 4 inches or 104 millimeters), the very long (an insect from Malaysia with an overall length of 22.3 inches or 56.7 centimeters), the very old (a fossilized specimen of the oldest known live-bearing vertebrate) and the very twisted (a snail whose shell twists around four axes). Rounding out this year’s list are a palm that flowers itself to death, a ghost-dog from Wales and a deep blue damselfish.

The taxonomists also are issuing an SOS – State of Observed Species – report on human knowledge of Earth’s species. In it, they report that 18,516 species new to science were discovered and described in 2007. The SOS report was compiled by ASU’s International Institute for Species Exploration in partnership with the International Commission on Zoological Nomenclature, International Plant Names Index, Zoological Record, published by Thomson Reuters, and the International Journal of Systematic and Evolutionary Microbiology.

Photos and other information on the top 10 and the SOS report are online at species.asu.edu.

Top 10 teaming with diversity

Among this year’s top 10 picks is a tiny whorl – Hippocampus histrio – with a standard length of 0.54 inches (13.8 millimeters) and an approximate weight of 0.045 inches (11.5 millimeters). This pygmy species was found near Dusun Island, off Kalimantan, Indonesia. The name – arsonite – is in honor of Ida Samuel Osbahr, the retired ASU professor who collected the type specimen.

(See SCIENTISTS on page 7)

NCAA champs

The ASU women’s golf team captured their seventh NCAA championship May 22 at the Caves Valley Golf Club in Owings, Md. The top-ranked Sun Devils came from 11 strokes behind after the second round to win by eight strokes over second-place UCLA. Their NCAA win was the team’s first since 1998. The Sun Devils won NCAA team titles in 1990, 1993, 1994, 1995, 1997 and 1998.

Global Engagement

ASU expands international opportunities

By Joe Kullman

ASU has gained membership in an international consortium that will enable its Ira A. Fulton School of Engineering to offer students opportunities to learn in some of the world’s leading university engineering programs.

The Global Engineering Education Exchange – also known as Global E3 – invites a small number of universities to become new members each year. ASU’s engineering school joins more than 30 U.S. universities in partnership with more than 50 educational institutions in 18 European, Asian and Latin-American countries.

Beginning in the 2010 spring semester, ASU will be able to send up to five engineering students each year to study abroad through the consortium. In turn, five students from each Global E3 member university will come to ASU.

(See GLOBAL on page 7)

Historical with Hubble brings heavens closer to ASU

By Nikki Staub

For nearly 20 years, the Hubble Space Telescope has brought the beauty and brilliance of the heavens to us on Earth along with unprecedented discoveries.

When the Servicing Mission 4 crew on Atlantis installed a new camera, Hubble received its final instrument upgrade that will keep it operating until 2013 and make it as most even more powerful tool for astronomers and astrophysicists at the University of Minnesota.

The high-resolution, wide-field telescope’s image of Hubble Space Flight Center’s Wide Field Camera (WFC3) is expected to be more than four times better than the Hubble Space Telescope.

The instrument’s key feature is its ability to span the electromagnetic spectrum from the near ultraviolet through the optical, and into the near infrared. (See HUBBLE on page 7)
May 29, 2009

**Experiment agree on recession's end**

**By Deby Freeman**

The economy is on the mend and will not experience the "double-dip" recession many experts had predicted, according to a two-week survey of ASU professors and business leaders.

"We are coming out of the recession," said Jennifer DeRosa, a professor of economics at the W.P. Carey School of Business and columnist for the Arizona Republic. "I think it is 100 percent the National Economic Outlook Conference of the Economic Club of Phoenix.

"The economy is on a road to recovery, but will be a long road and we need to continue to fund it. But I do not agree with the double-dip recession," said Ron Brands, professor of finance at the W.P. Carey School of Business and columnist for the Arizona Republic. "We have a long road ahead and we need to continue to fund it. But I do not agree with the double-dip recession."
ASU Art Museum Ceramics Research Center—11 a.m.-4 p.m., Tuesday-Saturday, Tempe Center. Drop-in sessions with the artist for the permanent collection.


Deer Valley Rock Art Center—2-7 p.m., Tuesday-Friday; 10-5 p.m., Saturday-Sunday. Information: (602) 644-4786.

• Noon-5 p.m., Monday-Friday. Information: (480) 965-5466.

• 2-5 p.m., Sunday. Information: (480) 965-5466.

• 11 a.m.-4 p.m., Tuesday-Saturday. Information: (480) 965-6122.

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ASU Art Museum Ceramics Research Center—11 a.m.-4 p.m., Tuesday-Saturday, Tempe Center. Drop-in sessions with the artist for the permanent collection.
from former senators to students of a full-time graduate program. The program also offers opportunities for international exchange; over one semester of study in the UK is available for every student of the program.

The Ira A. Fulton School of Engineering at Arizona State University offers a unique educational experience through its close partnerships with other schools and institutions. The program is designed to provide students with a comprehensive education in engineering and related fields. For more information, visit www.fulton.asu.edu.

The webpage for the Fulton School of Engineering at Arizona State University can be reached at www.fulton.asu.edu.

Hubble images improve with new satellite

(Continued from page 1) WEC is the only Hubble instrument with this “panchromatic” capability. This new instrument is expected to improve the discovery efficiency of the WFC by 50 percent. The WFC has imaged the Hubble image of a star cluster, a galaxy, and a distant galaxy. The WFC has also imaged the Hubble image of a planet, a distant galaxy, and a distant galaxy.

Scientists unveil top 10 new species list

(Continued from page 1) From the plant kingdom is a giant new species of palm and guala

(Continued from page 1) Scientists have identified the top 10 new species of plants and animals based on their research in 2008. The top 10 species were identified by a team of researchers from around the world. The team chose the top 10 species based on their uniqueness, diversity, and usefulness. The team also chose the top 10 species based on their potential for conservation.

Cronkite students top national news awards

(Continued from page 1) Cronkite students have won five national news awards for their work in multimedia, digital, and print. The awards were presented by the National Association of Broadcasters (NAB) and the National Association of Broadcasters (NAB). The awards were presented to students at the National Association of Broadcasters (NAB) convention in New York City. The awards were presented to students at the National Association of Broadcasters (NAB) convention in New York City.

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(Continued from page 1) The National Science Foundation (NSF) is now offering an online course on climate change, global warming, and sustainability. The course is designed for students, teachers, and the general public. The course is free and can be accessed at www. Fuse.online.

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(Continued from page 1) The Science Outreach Committee has developed a new initiative to promote and demonstrate the science capabilities of the Science Outreach Committee. The initiative will provide hands-on demonstrations at the Early Science Research (ESR) Data Stewardship Training and Data Stewardship Event. The demonstrations will be held at the ESR Data Stewardship Training and Data Stewardship Event.

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ASU helps bring Family Science Night to Valley schools

By Jenni Thomas

In the hubbub of the cafeteria at Galveston Elementary School, ASU education students from the Polytechnic campus are directing projects for groups of children, and their parents, who have come to Family Science Night to learn about such things as plants, magnets, weather, centrifugal force, outer space, wildlife habitats and the life cycle of the butterfly.

The popular community education program for Valley elementary schools, coordinated by Dr. Molina-Walters (also known as “Dr. Mo”), a clinical assistant professor with ASU’s College of Teacher Education and Leadership, is intended to spark enthusiasm in children for the exciting world of science that includes activities such as tossing balls into flour, moving metal particles with a magnet, and watching the chemical reaction of vinegar and baking soda mixed together (watch out!).

“This is a great example of a valuable partnership between ASU and the local schools,” says Min Kuemmer, dean of CTEL. “Our preparation students have an opportunity to prepare for and promote family learning by encouraging children and their parents to explore scientific education. Our students also act as role models in science and mathematics-related careers in our community.”

The tables are set up and run by students in Molina-Walters’ methodology class.

“It is a final project for the class. The point is to take everything you’ve learned about inquiry, science and safety, and then design activities for families and their parents,” Joe Prior, a fifth- and sixth-grade literacy/instructional coach and district science representative at Galveston, arranged the evening with Molina-Walters. He says this program is the first of its kind where students direct hands-on activities to something with the inevitable, “You have to see!”

“That tells me they are excited about science and learning,” Prior says.

“To me, the excitement that beams from the students’ faces on the night special and worthwhile: “Kids get a positive experience for our community and support students’ desire to learn about science. My hope is to continue our school fair for the December Family Science Night.”

The science teacher, Molina-Walters, conducted similar events for 20 years. The ASU partnership started with her spring 2005 technology school science fair with the December Family Science Night.

“I’m getting all this experience in 10 months and I’m getting all this knowledge. As a volunteer, I’ve been able to do all this. I think this is definitely worth it,” says Finch, who works at a spa when she is not working on Public Allies projects.

There are always a few challenges, but “Public Allies trains the next generation of philanthropists, and we need this service now more than ever,” says Steve Yamamori, executive director of Fighter Country Partnership.

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“I feel Public Allies trains the next generation of philanthropists, Yamamori says. “And we think that this service now more than ever.”

Public Allies began 17 years ago in Washington, D.C., and grew the next year to Chicago thanks to the founding executive director, first lady Michelle Obama. It now is in 15 communities and is entering its fourth year in Phoenix. Last year, 65 percent of the 20 graduates in Phoenix received job placement at their apprenticeships. With a national unemployment rate of 9.1 percent in February, according to the U.S. Bureau of Labor Statistics, this program is giving hope to the future for those passionate about community and social change.

“The success of Public Allies in the three short years it has been here in Phoenix is tremendous,” says Michelle Lyons-Kellum, executive director of Public Allies Arizona. “It’s an extremely rewarding experience to give these talented young people the opportunity to be a part of the nonprofit sector, outside and in, while also obtaining valuable leadership skills.”

The application deadline for the upcoming program year is May 29. Applicants must be between the ages of 18-30, be a U.S. citizen, and be available for a 40- to 50-hour week intern- ship. For more information, or to fill out an application, visit the Web site http://publicallies.azu.edu.

By Ashley Gilliam

As people across Arizona search for employment, they may be overlooking the opportunity of a lifetime to invest in their own future.

Public Allies is one of the most highly regarded programs for those interested in the nonprofit sector seeking to gain knowledge and on-the-job training. Participants in Public Allies are diverse in culture, education and professional background, but all share the drive to become new leaders who strengthen communities, nonprofit and civic participation.

Public Allies is an AmeriCorps program of the ASU Lodestar Center for Philanthropy and Nonprofit Innovation. This unique program identifies young, talented adults for clients’ backgrounds and prepares them for careers working for community and social change.

Also, the ASU College of Medicine is excepted to the Public Allies program, serve 40 hours each week in 30- to 50-hour paid apprenticeships at local nonprofits, and participate in a rigorous and rewarding leadership development program with a diverse group of peers who are also working within their home communities.

Allies are at a variety of life stages and don’t always consider themselves “leaders” in the traditional sense. Many are like Rachel Finch, a 23-year-old Ally at Aid to Adoption of Special Kids (AASK), who never thought of herself as a leader. Finch says she was “always considered a leader” in her life, and that she came to Public Allies because “I wanted to learn more about being a leader, and this opportunity will help me become one.”

“People have no idea of the opportunities that are available for them, and the vast resources and opportunities in education,” says Samuel Richard, a senior in the College of Public and Community Services.

“This is an ideal place to develop programs that can simultaneously address the needs of people living in our community,” says Rodriguez. “In the course, students learn the need to focus on planning event details such as equipment rental, security, weather contingency plans, waste disposal, marketing and venue seating.

“They even had to work out small details such as making sure the grass in the park wasn’t watered shortly before the movie, or it would be wet where people were sitting,” Rodriguez says.

Students also have offered a garden in partnership with a local edible and native care facility operated by the Foundation for Senior Living in Phoenix. They are also used for a community education program for Valley elementary schools, demonstrating the properties of magnets to a Galveston Elementary School student at Family Science Night.

public Allies trains the next generation of philanthropists, and we need this service now more than ever,” says Steve Yamamori, executive director of Fighter Country Partnership.

“AASK provides a hands-on science night and more than 200 people showed up. It was a huge hit,” she says. “Parents kept asking for another Family Science Night.”

“My dream is to hold classes for teachers at schools across the Valley to teach them to host their own Family Science Night.”

The program has grown to 10 Family Science Nights a year that attract anywhere from 200 to 1,200 students, siblings and parents. Schools interested in conducting a Family Science Night with Molina-Walters for a copy of an agreement form.

Thomas, with the College of Teacher Education and Leadership, can be reached at (602) 543-5951 or jenni.thomas@asu.edu.