

California University
JOURNAL

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Grants Total Tops \$5 Million

Two professors have been recognized as "Million Dollar Achievers" after obtaining at least \$1 million in external funding through the Office of Sponsored Programs and Research at California University of Pennsylvania.

Dr. Thomas Mueller, of the Department of Earth Sciences, and Dr. Robert Whyte, chair of the Department of Biological and Environmental Sciences, join 18 previously recognized faculty and staff members who have been awarded \$1 million or more in grants and/or contracts during their careers at Cal U.

Both grant writers topped the million-dollar benchmark last year.



Mueller



Whyte

During fiscal year 2016-2017, California University employees collectively received more than \$5.4 million in awards to fund service projects, conduct research and support instruction.

More than 57 percent of the awards was from private funding sources, such as foundations or corporations; the remainder was from federal and state sources or from Pennsylvania's State System of Higher Education.

The awards total has grown steadily since the 2013-2014 fiscal year, when Cal U employees received about \$1.7 million in external funding.

"Funding from outside sources provides essential support for the scholarly work of our faculty and staff," said Dr. Bruce Barnhart, provost and senior vice president for Academic Affairs.

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The 2017-2018 academic year begins today with the start of fall semester classes.

Fall Semester Begins Today

The 2017-2018 academic year begins today with the start of fall semester classes.

University President Geraldine M. Jones and the campus community welcomed more than 1,200 first-year students on Aug. 25, when Move-In Day activities opened Cal U's Welcome Weekend.

The three-day event included workshops, presentations and recreational activities designed to introduce freshmen and transfer students to the University and the services it provides.

It closed with the annual New Student Convocation and celebratory fireworks and ice cream on the President's lawn, in front of Old Main.

"As we begin another academic year, I extend my best wishes to the University community — students, faculty and staff — for a great fall semester," President Jones said.

"We are always energized when our students' return to campus. Our faculty and staff, as always, stand ready to ensure that our students' needs are met, and I know they join me in welcoming our students.

"Let's work together to make this a positive and

productive academic year."

Students and faculty are reminded of these key dates on the academic calendar:

- No classes will be held on Sept. 4 in observance of Labor Day
- Thanksgiving break is Nov. 22-27.
- Classes will end Dec. 8, with exam week following from Dec. 11-15.
- Students who expect to graduate in December must apply for graduation no later than Sept. 22.
- Registration for Cal U's five-week Winter College begins Oct. 1 for veterans and Oct. 2 for all students. The session runs from Dec. 18 to Jan. 19.
- Commencement ceremonies for master's degree candidates will be held at 7 p.m. Dec. 15. Bachelor's and associate degrees will be awarded at 10 a.m. Dec. 16. Both Commencement ceremonies will take place at the Convocation Center.

All members of the Cal U community are urged to visit www.calu.edu regularly for up-to-date news and event information. Visit the Quick Links section of the homepage to register for Cal U text alerts.

Partnership Supports Earth Science Education

Cal U is partnering with the American Meteorological Society to provide graduate level credits tuition-free to K-12 teachers nationwide who take AMS Earth sciences education courses.

Dr. Chad Kauffman, of the Department of Earth Sciences, has been named curriculum development coordinator and lead for the AMS DataStreem program, which engages educators studying the planet's weather, oceans and climate.

"This program is a natural fit for



Cal U, with its long history of teacher education and its special mission in science and technology," said Kauffman.

"By helping teachers learn more about Earth sciences, we strengthen our K-12 schools, encourage kids to build STEM skills, and nurture a new generation of young scientists and researchers."

Teachers who complete the AMS Education courses become science leaders in their own schools and communities, educating their teaching colleagues and ultimately reaching millions of students nationwide.

In the fall and spring semesters, Cal U will offer three-credit DataStreem Atmosphere, DataStreem Ocean, and DataStreem Earth's Climate System courses through its online learning management system — the same system that supports Cal U Global Online degree and certificate programs.

Two workshop-oriented AMS courses meet in summer. The Maury Project is based at the U.S. Naval Research Laboratory in Annapolis, Md., and Project Atmosphere is held at the National Weather Service Training Center in Kansas City, Mo.

The AMS Education program previously operated in conjunction with the State University of New York, Brockport. Since 1992, more than 21,000 teachers have taken AMS Education program courses.

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Campers Hear From Olympic Coach

Proper recovery and enjoyment are two often overlooked but important aspects of successful distance running.

Veteran coach Jack Hazen shared running tips, as well as reflections on his collegiate and Olympic coaching experience, when he spoke to more than 100 people, mostly young runners, at the annual Cal U cross country summer camp, Aug. 2 in Steele Hall's Blaney Theatre.

Hazen coached the USA Track and Field team's distance runners at the 2012 Olympic Games in London.

In 2016-2017, he completed his 50th year as head coach of men's cross country at Malone University in Canton, Ohio, and his 25th year as head coach for women's cross country.

Rather than dwelling on his career, Hazen presented the young runners with a seven-day training plan, with five of those days devoted to slower "recovery" runs.

"The hardest thing for me to do with freshmen is to get them to run slowly, because they want to prove themselves and beat the upperclassman," he said.

"During recovery days, it's most important that your body adapts to the hard work you are doing on the other days."

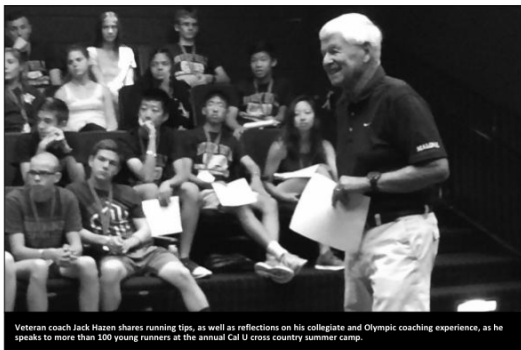
Malone is now an NCAA Division II member, but its men's cross country program still ranks at the top of the all-time winners list for the NAIA, where the university competed until 2011.

Hazen's 1972 men's team became the first Pioneers team to earn an NAIA national championship, and his 1999 women's team became the second.

"In distance running, we run all year. There's no off-season," the coach said. "You're not going to reach your full potential if you don't enjoy what you are doing and have some fun."

In addition to working with the men's distance runners for Team USA at the London Olympics, Hazen was named head manager for the 1999 Junior Pan American Track and Field team. Three times he has coached coached the U.S. men's cross country team at the World Championships, in Boston (1992), Capetown, South Africa (1996), and Helsinki, Finland (2005).

Hazen described the 2012 Olympic Games as a once-in-a-lifetime experience. He coached elite U.S.



Veteran coach Jack Hazen shares running tips, as well as reflections on his collegiate and Olympic coaching experience, as he speaks to more than 100 young runners at the annual Cal U cross country summer camp.

athletes such as Galen Rupp, who earned a silver medal in the 10,000-meter run.

"To see him (Rupp) walking across the (London) facility and yelling 'Hey, coach!' and meaning me was really something," Hazen said.

He learned to use Twitter during those Olympic Games, and he enjoyed a social media moment with Jamaican sprinter Usain Bolt, now an eight-time Olympic gold medalist.

"My best tweet was when I said 'Am on the bus to practice with Usain Bolt and I beat him off the bus,'" Hazen said with a smile. "That one got the most hits."

In spring 2016, Hazen received the Lifetime Achievement Award from the Ohio Association of Track and Cross Country Coaches for 100 total seasons of coaching service.

At age 77, Hazen still runs two miles every day. Retirement, he says, is not on his mind.

"Being around a lot of young people and seeing them bond together, change for the better, become strong runners and then carry that over into their professional lives is something that remains exciting," he said.

"Being on a team and doing it the right way prepares you for any job you want to do or any endeavor you undertake."

Among the long-distance runners in the audience was Alexa Matthews, a senior at River Hill High School in Clarksville, Md.

This was her second summer at the camp, directed by Daniel Caulfield, Cal U's head coach for cross country and track and field.

"(Hazen) was good because he talked about running and training, while many speakers tend to focus on themselves," said Matthews. "His information was useful."

Donated Scale Enhances Learning

Students in Cal U's Department of Biological and Environmental Sciences are now measuring with greater precision and accuracy thanks to a technology company in Long Island, N.Y.

Aryn Scales, a leader in the design and development of weighing technology, has donated an industrial, professional-grade scale that is being used by students in the Cal U biology department. The digital Ultra Precision Scale provides greater accuracy, sensitivity and stability than regular scales, the company explains.

"Having this instrument ensures that our students have access to the best equipment available," says Dr. David Argent, professor of wildlife and fisheries science. "It allows our faculty to enhance their labs with state-of-the-art equipment to be used for teaching and student research."

Earlier this year, Argent received an email from Arnold "Arnie" Gordon, owner and CEO of Aryn Scales, outlining opportunities for high school and university science laboratories across the country.

In consultation with department chair Dr. Robert Whyte and laboratory management technician Roberta Busha, it was determined the scale was the best fit for the department's needs.

"This was a great opportunity for the department, and Roberta was persistent and patient in working with Arnie to make this happen," Whyte said.

Gordon said his small business was



Students in Cal U's Department of Biological and Environmental Sciences are now measuring with greater precision and accuracy, thanks to a donation of an industrial, professional-grade scale from Aryn Scales, a technology company in Long Island, N.Y.

glad to donate the instrument to Cal U.

"We want to give back to the community by supporting the young minds of today and the future."

Academic programs at Cal U, including those in the Department of Biological and Environmental Sciences, engage students in applied and active learning. Students are encouraged to take part in hands-on learning activities that address real-world problems and serve local communities.

In a Cal U ecology class, for example, students weigh individual plants as they investigate the effect of increasing density on the growth of agricultural crops.

In an agricultural setting, Argent explains, it is important to understand

plant competition so that growers know how many plants to sow and how far apart they should be planted for optimal results. By assessing plant weight, student researchers seek to determine the density and total biomass of plants in a given area and to determine survival patterns among them.

"With this instrument, students can make highly precise measurements, which produce more accurate research results," Argent said.

Busha called the scale a great asset for the department and students.

"New, updated equipment is always great to work with," she says. "It's been a long process, but I am proud we were able to get his scale."

Partnership Benefits Earth Science Education

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"As I've met with teachers across the country during education conferences, I've been astounded at how many of them have shared with me the impact that AMS Education courses have had on their own science literacy and teaching careers," said Wendy Abshire, education program director for the American Meteorological Society.

"Now, we are thrilled to partner with Cal U and Dr. Chad Kauffman to carry on this meaningful teacher professional development."

AMS Education courses and workshops may be taken individually, in any order. Teachers who complete nine credits earn a post-baccalaureate certificate from Cal U's School of Graduate Studies and Research.

To learn more about AMS Earth science courses at California University of Pennsylvania, visit www.calu.edu/AMS.



Kauffman

Cal U Welcomes Families Sept. 9

Cal U students welcome their families to campus Sept. 9 with a series of special events.

Registration for the 39th annual Family Day begins at 9 a.m. at the information desk in the lobby of the Natali Student Center. The first 500 participants will receive complimentary Family Day T-shirts.

The University Choir will give a free concert at 10 a.m. at the Convocation Center courtyard.

At the conclusion of the concert, University President Geraldine M. Jones will present the Jennie Carter Award. The annual award is named for Elizabeth "Jennie" Carter, Cal U's first African-American graduate. It is presented annually to an individual who personifies the spirit, resilience and leadership of Jennie Carter.

This year's recipient is Blayne Holmes '12, director of Community Partnerships at Adagio Health in Pittsburgh, Pa.

In case of rain, both the concert and award presentation will be moved to the Morgan Hall auditorium.

Inside the Convocation Center, Cal U's women's volleyball team will host Lake Erie College, of Ohio, at 10 a.m. and Daemen College, of New York, at 4 p.m.

Children's activities and interactive



Cal U students welcome their families to campus Sept. 9 with a series of special events.

displays, sponsored by the Office of Student Affairs, will take place from 11 a.m.-2 p.m. on Third Street in front of the Natali Student Center, or inside the

building in case of rain.

The student chapter of The Wildlife Society will present its 12th annual Family Field Day from noon to 4 p.m. at

and around Frick Hall. Activities focus on wildlife and nature.

The public may attend this free event, which is conducted in cooperation with the Pennsylvania Game Commission.

The movie "Guardians of the Galaxy Vol. 2" will be playing in Vulcan Theater. Free showings begin at noon, 4 p.m., 7 p.m. and 11 p.m.

At 12:30 p.m., the Office of University Housing will sponsor a bingo game in the Performance Center inside the Natali Student Center. Admission is free.

Families can enjoy Cal U football when the Vulcans host Cheyenne University at 1 p.m. at Adamson Stadium. At halftime, Cal U will honor its 2007 team, which went 13-1 overall and were NCAA Division II national semifinalists.

During pregame activities at 11 a.m., a KidZone will take place outside the stadium as well as the Vulcan Huddle Alumni Tent.

Cal U students, faculty and staff with valid CalCards will be admitted free, along with children ages 12 and younger. Cost is \$10 for adults and \$5 for visiting students.

For more information, visit the Cal U website, www.calu.edu.

Staff Honored

Daniel Zyglowicki (center), archives and special collections technician for Library Services, receives his 30-year plaque from President Geraldine M. Jones and Dr. Bruce Barnhart, provost and senior vice president for Academic Affairs. Service milestones from five to 45 years were recognized at the Staff Recognition Luncheon held this past May in the Performance Center.

"We are here to celebrate the important work done by everyone in this room," the President told staff members. "I truly appreciate and thank you for your dedication and service to us and, more importantly, our students. You deserve this special recognition."



Grants Total Tops \$5 Million

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"Grant-funded research, service project and educational initiatives benefit our students, who often are actively involved in this work. These projects also meet the University's goal of serving the broader community."

"We appreciate the painstaking work of our grant writers and the support of the organizations and agencies that provide this important funding."

The largest 2016-2017 grant, valued in excess of \$2.8 million and obtained by Dr. Daniel Harris, provides Midland Valley MOVE structural modeling and analysis software for use in the Earth sciences program.

Other highlights include two grants with a combined value of more than \$668,000 that support Cal U's participation in the Upward Bound college readiness program for high school students in Fayette County and the Monongahela Valley; and an award of over \$389,000 to continue a collaboration between Cal U and Intermediate Unit 1 that provides pre-service teachers and school personnel with professional development in teaching English as a second language.

Smaller awards support a variety of projects, from school district-based internships for graduate athletic training students to assessments of aquatic life in local waterways to research into using robotics and virtual reality technology to teach children with special needs.

In all, 22 California University employees were awarded external funding during the 2016-2017 fiscal year.

Campus BRIEFS

Annual Health Fair Sept. 20

Students and other members of the campus community can learn more about health and wellness at the 30th annual Cal U health fair, from 11 a.m.-3 p.m. Sept. 20 in the Convocation Center.

The public is invited to the free event, which is coordinated by the Health and Wellness Education Center.

For more information, contact Fran Fayish at 724-938-5922 or email fayish@calu.edu.

Faculty-Staff Convocation Sept. 12

University President Geraldine M. Jones will deliver her "state of the University" report at the 2017 Fall Faculty-Staff Convocation, set for Sept. 12 in the Performance Center, inside the Natali Student Center.

The convocation for University employees will be held during the common hour, beginning at 11 a.m.

Open House Programs Begin Sept. 30

Cal U has scheduled four Open House programs on Saturdays during the fall semester.

The events introduce prospective students to Cal U or give students who have been accepted a chance to explore the campus.

Fall Open House programs are scheduled from 9 a.m.-12:30 p.m. Sept. 30, Oct. 21, Oct. 28 and Nov. 11. Registration for each event begins at 8:30 a.m. in the Natali Student Center's Heritage Lounge.

At Open House, students and families learn more about Cal U's programs of study, housing and student life. They can talk with Cal U students, meet faculty members from their academic area of interest, tour the main campus and visit Vulcan Village. They also take part in various campus activities.

Faculty or staff members who are interested in taking part in Open House events should contact the Welcome Center at Ext. 1626 or email Carrie Pavis at pavis@calu.edu.

For more information about Open House or to register online, visit www.calu.edu. Prospective students may contact the Office of Admissions at 724-938-4404 or email admissions@calu.edu.

OSD Sets Registration Meetings

The Office for Students with Disabilities (OSD) provides services and support for California University students. The OSD office is located in Carter Hall, Room G-35.

Office hours are 8 a.m.-4 p.m. weekdays. Contact OSD at 724-938-5781 or osdmail@calu.edu.

Students are invited to attend semester registration meetings by contacting the OSD office for meeting dates and times.

Additional information can be found at www.calu.edu/osd.

Students GEAR UP for Tech Careers

Forty high school sophomores spent several days at Cal U as part of a program to prepare them for college.

The Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) grant from the U.S. Department of Education was awarded to Pennsylvania's State System of Higher Education in 2014.

Each of the 14 State System universities, including Cal U, is a higher education partner.

This was the first time Cal U hosted students for the weeklong on-campus college experience, July 16-21.

The \$23.6 million, seven-year grant provides support and services to about 2,800 students — all members of the Class of 2020 — in the Allentown, Harrisburg, Lancaster and Norristown school districts.

The goal is to increase student achievement, graduation rates and preparation for post-secondary education.

At Cal U, 40 students learned basic science concepts, with a focus on marine engineering. One of the highlights was a skills competition in the Hamer Hall pool featuring student-built aquatic robots.

The students stayed in Cal U residence halls as part of their college experience. Sessions led by faculty and staff helped them with career exploration and explained the college admissions process and financial aid options.

A mobile fabrication laboratory, or fab lab, from Elizabeth Forward School District was on campus during the week. Patrick Williams, who graduated from Cal U in 2014 with a bachelor's degree in technology education and 2016 with a master's degree in school counseling, supervised the students as they experimented with 3-D



Sophomore Stacy Sanchez of Norristown (Pa.) High School holds the aquatic robot she created during the weeklong on-campus college experience at Cal U, made possible as part of a Gaining Early Awareness and Readiness for Undergraduate Programs grant from the U.S. Department of Education.

printing, laser cutting and other hands-on activities.

Before they left campus, the high school students participated in a closing "graduation" ceremony.

"We were pleased to host the GEAR UP students to orient them to life on a college campus and to give them

the opportunity to have hands-on experiences involving science and technology," said Dr. Bruce Barnhart, provost and senior vice president for Academic Affairs.

"We hope we were able to inspire them to consider careers in those fields."

Hockey Player Trades Stick for Club

Just weeks before he graduated in May, Brett Young scored an important goal that helped the Cal U men's hockey team score a 3-0 College Hockey East championship victory over Penn State-Berthoud.

And just months after earning his bachelor's degree in sport management, he played in the 117th U.S. Amateur Golf Championship, held last month near Los Angeles.

Young, a Bethel Park resident, was one of more than 7,100 golfers seeking to qualify for the U.S. Amateur, the U.S. Golf Association's (USGA) oldest championship tournament.

He didn't make the championship's final cut, which whittled the pool of 312 qualifiers to just 64 golfers. Young shot a 7-over-par 77 at Riviera Country Club in Pacific Palisades, Calif., followed by a 13-over-par 83 at the Bel-Air Country Club in Los Angeles.

But Young said it was still exciting to play in a tournament whose past champions include Bobby Jones, Arnold Palmer, Jack Nicklaus, Phil Mickelson and Tiger Woods.

First played in 1895, the U.S. is open to amateur golfers with a Handicap Index® not exceeding 2.4. Young made the 312-player field by tying for first place at a sectional qualifier July 18 at Grove City (Pa.) Country Club, one of 100 qualifying matches held across the United States and internationally.

Playing in a field of more than 70 golfers at Grove City, Young tied for first



Brett Young '17 made the 312-player field for the 117th U.S. Amateur Golf Championship.

place and claimed his place at the U.S. Amateur by shooting a 7-under-par 137.

It was his third time competing at the qualifier. This time his caddy was Cal U student Mike Oakes, a Vulcan hockey player.

"I just hit my shots, took advantage of the holes I knew I could be aggressive for and just played smart," says Young, a member of nearby Nemaquin Country Club, Beallsville, Pa.

"I was happy with how I played. Mike helped keep me in it and did a solid job on the bag."

A golfer since age 12, Young has competed in many West Penn Golf Association tournaments. But the chance to play at premier West Coast country clubs still made an impression.

"I had never been to (the state of) California. And honestly, making such a prestigious tournament did not fully set

in until I was there and thus out on the course," Young said.

"When you think of all the great golfers that have played there ... the whole experience was incredible."

Young never played for his alma mater's NCAA Division II golf team. Instead, he was an assistant captain and two-year forward with the Cal U men's hockey club. His final goal of the season gave the Vulcans a 2-0 lead on the way to the program's 10th CHE championship in 11 years.

This spring he completed an internship working with youth hockey players at the Island Sport Center, in Neville Island, Pa.

"I've always loved playing both sports, and I really did enjoy my time at Cal U," says Young. "I met a lot of nice, good people. Earning my money and playing hockey for a really good program kept me busy."

Young is considering a career in hockey operations. His father, former NHL player Warren Young — also an avid golfer — is an amateur scout with the Stanley Cup champion Pittsburgh Penguins.

Brett Young also works at Valleybrook Country Club in Canonsburg, Pa. He's already preparing for the 2018 U.S. Amateur, which will be held at Pebble Beach Golf Links, in California.

"Right now I am focusing in on practicing and playing my best golf, which is paying off," he said.

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