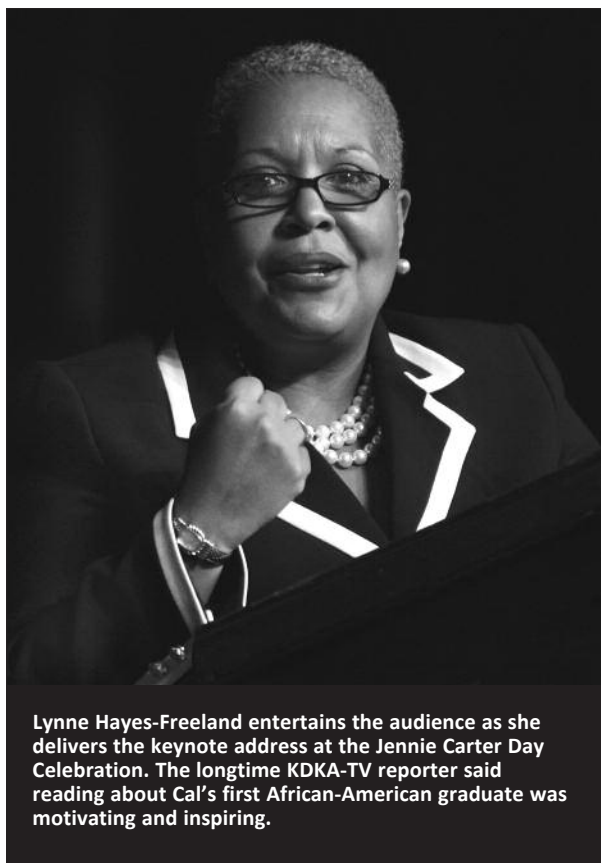


California University JOURNAL

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Lynne Hayes-Freeland entertains the audience as she delivers the keynote address at the Jennie Carter Day Celebration. The longtime KDKA-TV reporter said reading about Cal's first African-American graduate was motivating and inspiring.

TV News Reporter Accepts Jennie Carter award

Lynne Hayes-Freeland, a reporter for KDKA-TV, called Elizabeth "Jennie" Adams Carter a leader whose courage, commitment and conviction women must emulate if they hope to achieve success.

On Oct. 9, Jennie Carter Day at Cal U, Hayes-Freeland received the inaugural Jennie Carter Leadership Award honoring the University's first African-American graduate.

The award recognizes individuals who embody the spirit and ideals of Jennie Carter, Class of 1881, an educator and a gifted public speaker.

"This was a woman who was ahead of her time, and as I read about her I became motivated and inspired," Hayes-Freeland said as she accepted the award. "Like all people who are 'firsts,' she was a leader whether she knew it or not."

Hayes-Freeland, who joined KDKA-TV in 1976, volunteers in her community and serves on several boards. As she shared anecdotes of her own successful career in a male-dominated workplace, she asked the

audience to imagine what Jennie Carter had experienced as a student.

"Think of the reactions she would have caused simply by raising her hand and asking a question," Hayes-Freeland said. "People were watching her every move, and the courage it must have taken to keep her hand up was no small feat."

She praised other women who made breakthroughs, such as Susie King Taylor, the first African-American Army nurse and the first to teach openly in a school for former slaves.

"People like these unknowingly opened doors for all African-Americans and minorities," said Hayes-Freeland, an active member of the Alpha Kappa Alpha sorority. "They opened doors then and are still doing so in 2009."

She emphasized that although Jennie Carter never saw herself as a leader, she must have hoped that strong,

— Continued on page 3

Professor, Students Continue Cancer Research in Cal U's Frich Lab

Working in a renovated faculty lounge on the third floor of the Frich biology building, Dr. Paula Caffrey and her students are conducting research that may help to improve chemotherapy for cancer patients.

In the new cell culture laboratory, the researchers are working with cells grown from ovarian tumor samples, testing a chemical mix that could make chemotherapy more effective and easier for patients to tolerate. By 2010, Caffrey also will be working with cell lines derived from human lung tumors.

This year's project builds on work done by 2009 graduates John Praskavich and Robert Bilotto, whose cancer research was part of an Honors Program project and Caffrey's Biological Investigations course.

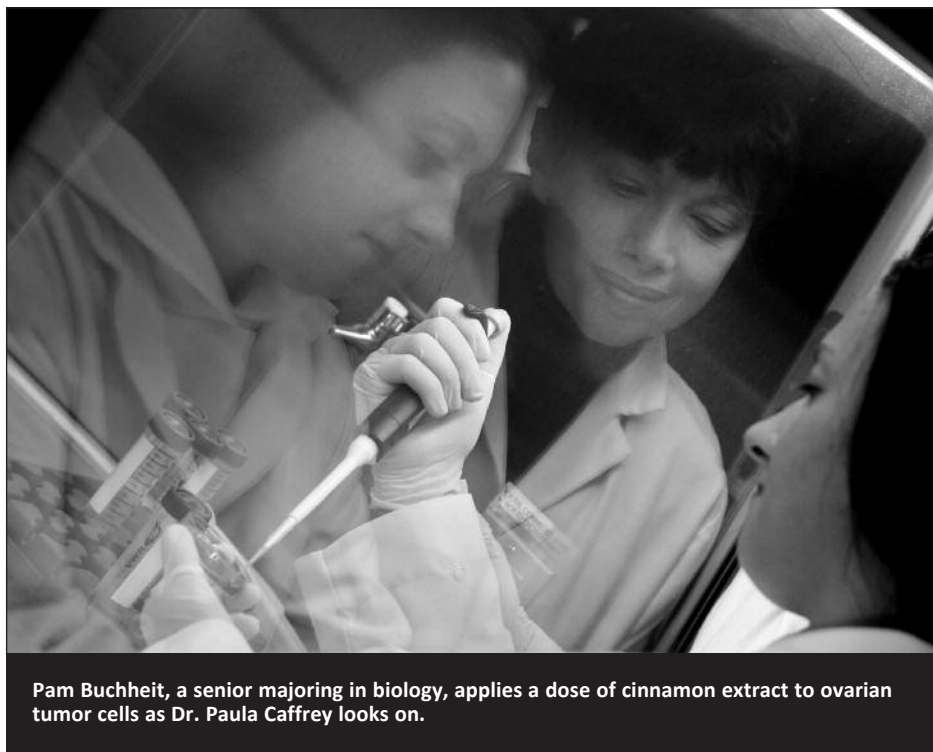
Praskavich is now a graduate student in cancer research at Rutgers University in New Jersey. Bilotto is working at Precision Therapeutics of Pittsburgh, a cancer therapy laboratory.

"What we're doing now is using some of the work that John and Robert pioneered to test a different chemical to improve chemotherapy," Caffrey explains. "Ovarian cancer and lung cancer were selected because they very quickly become resistant to chemotherapy."

Cancer treatments may stop working because the tumor cells no longer respond to the chemotherapy drugs.

"But the chemicals that we add to improve chemotherapy can themselves be toxic to the patient," Caffrey says. "We want to find a less toxic co-treatment to improve the patients' outcome and allow them to tolerate chemotherapy better."

Caffrey has been conducting cancer



Pam Buchheit, a senior majoring in biology, applies a dose of cinnamon extract to ovarian tumor cells as Dr. Paula Caffrey looks on.

research for 20 years, including 18 years at Rutgers as a postdoctoral fellow and later as an assistant research professor with Dr. Gerald Frenkel. A clinical trial based on their work began in 2003, after 14 years of groundwork in the lab. Patient responses still are being recorded.

Special laboratory equipment is required for working with human cells, Caffrey says, so Praskavich and Bilotto trained at Frenkel's lab in 2008 before the one at Cal U was operational.

This year's Cal U researcher is senior Pamela Buchheit. In addition to conducting lab work, she teamed with Caffrey to submit a funding proposal to Commonwealth of Pennsylvania Universities Biologists, an organization that provides support for teaching and research activities of biology professors in Pennsylvania's 14 state-owned

universities. The proposal was accepted.

"All three students practice working with the cells in a controlled environment, so they don't contaminate the cell lines," Caffrey says. "They put in their own time to master those skills, so when they officially start the research, they don't have any downtime learning everyday lab procedures."

Along with talent and dedication, patience is essential for success as a cancer researcher, Caffrey says. "As in all areas of science, there are weeks and weeks, months and months of frustration and failure for each small step ahead."

"I think it's amazing that these students will now go forward and use the skills they've acquired here to actually work on finding a solution to the bigger problem. It's a wonderfully gratifying experience."

Conference Addresses School Security

School Security: Preventing the Disaster" is the topic of the third annual Conference on Corporate and Homeland Security, set for 8 a.m. to 5:30 p.m. Oct. 28 in the Performance Center.

The conference is presented by the Department of Justice, Law and Society. Speakers will include state Education Secretary Dr. Gerald Zahorchak; Robert French, director of the Pennsylvania Emergency Management Agency; Col. Frank Pawlowski, commissioner of the Pennsylvania State Police; and Steven Toprani '01, district attorney for Washington County. Faculty members Dr. Emily Sweitzer, associate professor of justice and behavioral crime, and professor Sam Lonich, chairman of the Psychology Department and director of Cal U's Child and Family Studies Institute, also will give presentations.

Opening remarks will be delivered by University President Dr. Angelo Armenti, Jr. Dr. Michael Hummel, interim dean of Cal U's College of Liberal Arts, will give closing remarks.

Students, faculty, school administrators, law enforcement officers and the general public may attend. Registration is not required, and Act 48 credits are available.

For more information, contact Dr. Cassandra Kuba, associate professor of the Department of Justice, Law and Society, at kuba@calu.edu or 724-938-4283. For a link to the complete conference schedule, visit

Murder-Mystery Spoof Opens Theater Season

Who killed the Mysterious Host? The Department of Theatre and Dance will open its 2009 fall season with that question as first-year students present Jonathan Rand's *Murder in the Knife Room*.

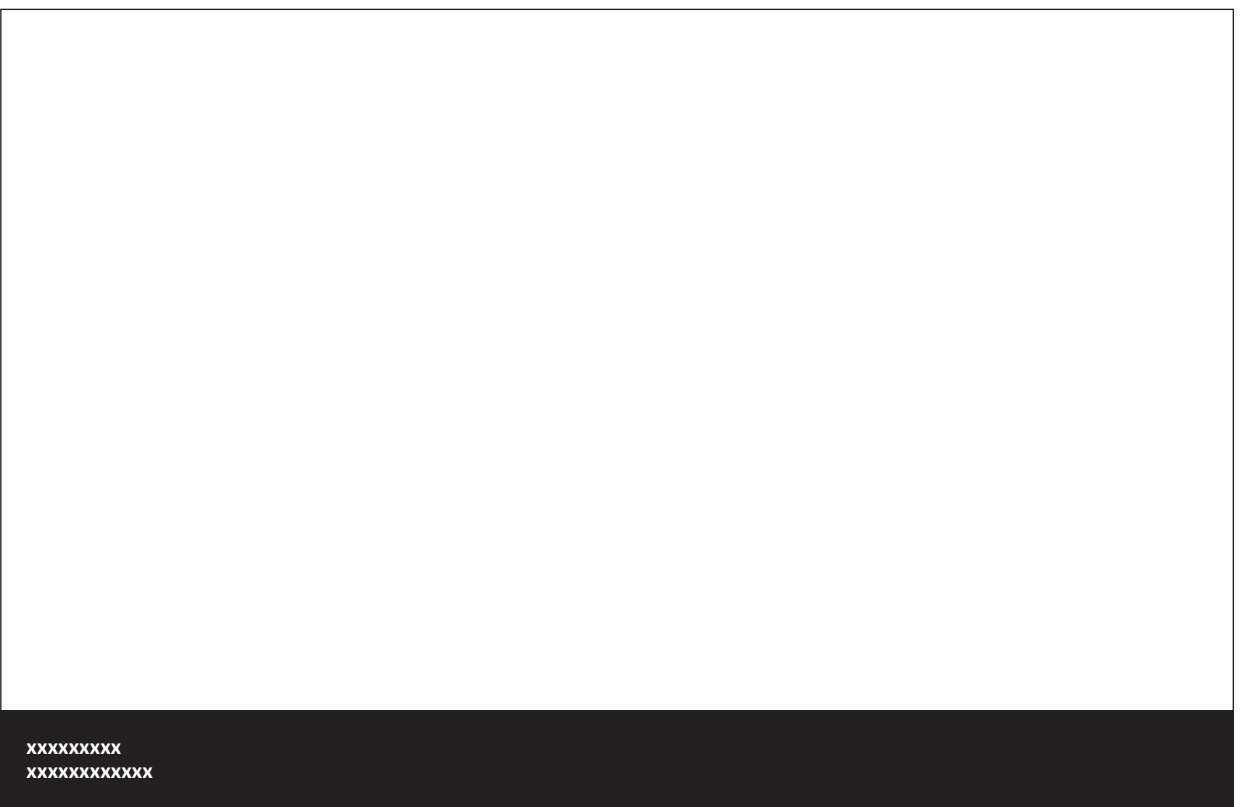
Curtain time is 8 p.m. Oct. 22, 23 and 24, with a 2 p.m. matinee on Oct. 24. All performances are in the Gerald and Carolyn Blaney Theatre, a "black box" theater in Steele Hall on the Cal U campus.

Directed by Dr. Michele Pagen, a professor in the Department of Theatre and Dance, this hilarious spoof of the murder-mystery genre takes place in the knife room of a mansion. There the Omniscient Inspector questions the Respected General, the Wealthy Dowager and other suspects in an attempt to solve this "thrilling and baffling murder case."

Murder in the Knife Room marks the 14th annual first-year student show at Cal U. The University's Bachelor of Arts in Theatre is just one of 146 programs nationally to earn accreditation from the National Association of Schools of Theatre.

All performances are open to the public. Cost is \$10 for adults, \$9 for seniors and children. Students with valid CalCards and a \$5 deposit are admitted free.

For ticket information, or to order tickets (with a credit card) by phone, call the Steele Box Office at 724-938-5943.



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Coalition Seeks Federal Funds for Broadband Network

A broad coalition of colleges and universities, health care organizations and economic development entities across Pennsylvania is seeking nearly \$100 million in federal funding to build and maintain a broadband network that would greatly expand educational opportunities and health care services to millions of residents and thousands of businesses throughout the commonwealth.

The Pennsylvania Research and Education Network (PennREN) has applied for funding through the American Recovery and Revitalization Act. Another \$29 million in private funds would support the proposed \$128 million initiative.

Pennsylvania is among only a handful of states without an extensive broadband network. This has prevented the expansion of distance learning and other educational opportunities, has delayed the universal availability of telemedicine, and has limited the ability of many of the state's leading research universities to access and share critical information throughout the United States and the world.

The proposed network would reach every region of the commonwealth, providing access and services to more than 5 million individuals in more than 2 million households and to 200,000 businesses. It would include 13 primary switching centers and approximately 50 secondary facilities within a 10-mile radius of designated anchor institutions.



The Pennsylvania Research and Education Network (PennREN) has applied for funding to build and maintain a broadband network that would greatly expand educational opportunities and health care services to millions of Pennsylvania residents.

The system would rival any in the United States and would provide the capability to connect regional networks across the commonwealth.

PennREN's founding members include the Pennsylvania State System of Higher Education, Penn State University, the University of Pittsburgh, the University of Pittsburgh Medical Center, the Mid-Atlantic Gigapop for Internet 2 (MAGPI) at the University of Pennsylvania, Bucknell University, Drexel University, Lehigh University, Three Rivers Optical Exchange (3ROX), the Pennsylvania Commission for Community Colleges, the

Association for Independent Colleges and Universities of Pennsylvania, the Hospital & Healthsystem Association of Pennsylvania and EINetworks, a collaboration of the Allegheny Library Association and the Carnegie Library of Pittsburgh.

"This project is essential to the continued growth of PASSHE," said PASSHE Chancellor John C. Cavanaugh. "It would expand our ability to offer distance learning and collaborative programs among our member universities while greatly benefiting the citizens of the commonwealth."

Funding Sources are Focus of Free Workshop

Owners of small businesses involved with technology and innovation can learn how to obtain federal funding at a free workshop 4-6 p.m. Nov. 3 in the Kara Alumni House.

Faculty and other members of the Cal U community also may attend "Show Me the Money! SBIR/STTR: The Basics."

Greg Rice, of the Small Business Development Center at the University of Pittsburgh, will explain how business owners can qualify for funding through SBIR and STTR, the Small Business Innovation Research and Small Business Technology Center programs.

Both programs are administered by the U.S. Small Business Administration through its Office of Technology.

Through these two competitive programs, the SBA ensures that the nation's small, high-tech, innovative businesses are a significant part of the federal government's research and development efforts.

The workshop will focus on:

- Steps for applying for federal SBIR research.
- Pre-qualification issues for potential participants.
- Proposal-writing tips for making your innovation stand out.
- Strategies for making your technology appeal to funding providers.
- An overview of participating agencies.

The workshop is free, but space is limited; reservations are required by Oct. 23.

To register, call 724-437-7913 and ask for Joe Podolinski, or send e-mail to joep@faypenn.org.

Upward Bound

Dr. Jon R. Serra '93 (right) receives the inaugural TRIO Achiever Award from Gary Seelye, director of Cal U's Upward Bound program. The award is presented to Upward Bound alumni who have distinguished themselves through their educational attainments or by dedicating their life's work to the ideals of TRIO programs, which serve low-income, first-generation college students or students with disabilities. Serra earned a bachelor's degree in chemistry, with honors, after participating in Cal U's Upward Bound program. During his undergraduate years, Serra also spent summers as a resident tutor for the Upward Bound Program at Cal U. Serra earned his doctorate from Penn State University and now is an assistant professor of chemistry at the University of Pittsburgh-Titusville.



Book Project a Lesson in Typography

Robert Meyers, an assistant professor in Cal U's Department of Art and Design, has finished designing a history book about Shady Side Academy.

The 250-page, coffee-table-style book, *Inspire Us Through the Years*, was a two-year project.

"I spent many, many hours in the attic of Shady Side's admissions office hunting through anything and everything," said Meyers, who has his own design firm.

He collaborated on the book with writer Mary Brignano and selected all the images, designed the layout and typography, and handled re-touching.

"For us in design, which is a growing field, this was a big project to

be involved with," said Meyers, who earlier this year had five projects designed by his firm published in *American Corporate Identity 2009*.

Meyers is incorporating the \$40,000 Shady Side project in his typography class at Cal U.

"Absolutely, it's been a big help in the classroom," he said. "Showing the students the use of typography in certain pages relates directly to the projects we are working on here."

In the future, Meyers hopes a similar project can be done about Cal U.

"We would love to be a part of something like that here," he said.

Meyers joined the Cal U faculty in the 2008-2009 academic year.



Dan Dorgan, business development account manager for Black Box Network Services and Debbie Wojcik greet attendees at last year's procurement fair. This year's event will take place from 9 a.m. to 3:30 p.m. on Oct. 28 in Mars, Pa.

GACO Fair Set for Oct. 28

For the 22nd consecutive year, Cal U's Government Agency Coordination Office (GACO) will host a Procurement Opportunities Fair to help businesses obtain government contracts.

The 2009 fair will be held from 9 a.m. to 3:30 p.m. Oct. 28 at the Four Points by Sheraton Pittsburgh North in Mars, Pa.

About 80 booths and tables will be staffed by representatives of government agencies, corporations, regional service organizations and area businesses that can provide companies with contracting and subcontracting information.

Participants include Defense Supply Centers in Richmond, Va., Philadelphia and Columbus, Ohio; the General Services Administration; Naval Supply Systems Command; U.S. Army TACOM; Langley Air Force Base; Naval Inventory Control Point; Pennsylvania

Department of Corrections; Port Authority of Allegheny County; BAE Systems; Bechtel Bettis; DRS Technologies; Lockheed Martin Aeronautics; and Rand Corp.

Admission to the GACO fair is \$40 per attendee and includes a buffet lunch. Make checks payable to "California University of Pennsylvania" and mail to: GACO Office, California University, 250 University Avenue, Box 20, California, PA 15419-1394.

Cal U's GACO has been in operation for 24 years. In that time it has helped the region's businesses obtain more than 29,000 contracts totaling more than \$2.2 billion.

For more information about the Procurement Fair, call Tracy Julian at 724-938-5881 or send e-mail to julian@calu.edu. For a brochure about the fair, visit www.calu.edu/advancement/gaco.

Campus BRIEFS

Art Education Workshop on Friday

Cal U's Department of Art Education is conducting a workshop-conference, "Journey to Learn: Making Connections," from 8 a.m. to 3:30 p.m. Friday in the Performance Center of the Natali Student Center.



Admission is free, and Act 48 credits are available.

Jamie Kasper, the fine arts and humanities advisor for the Pennsylvania Department of Education, will give the keynote address at 10:45 a.m. Her current projects include Arts Educator 2.0, a federally-funded grant project co-directed with Intermediate Unit 1, and the new statewide model curriculum framework in the arts, which is part of Pennsylvania's Standards-Aligned System.

For more information, call the Consortium for Public Education at 412-678-9215 or the Arts Education Collaboration at 412-201-7405.

Study Trips Begin With PASSHE Summit

Faculty members who are interested in taking students on short-term study trips abroad are urged to attend the second annual PASSHE International Summit Friday at the Dixon University Center in Harrisburg.

Participants will hear from other PASSHE faculty who have developed short-term study trips abroad or who have collaborated with colleagues within the State System on joint ventures.



For more information, contact Mary Randall in the Modern Languages and Cultures Department at randall@calu.edu or call 724-938-5575.



Bill Carter, great-grandson of Jennie Adams Carter, presents the inaugural Jennie Carter Leadership Award to Lynne Hayes-Freeland.

Accepting Inaugural Award, Reporter Cites Jennie Carter as Inspiration

— Continued from page 1

independent women would follow her example.

"More than 100 years since her death she is being followed and talked about," Hayes-Freeland said. "How will you be remembered?"

Dr. Carryl Sheffield, chair of the Department of Early Childhood/Elementary Education, delivered opening and closing remarks, drawing comparisons between her life and Jennie Carter's.

William B. Carter, great-grandson of Jennie Carter, asked the audience to support the endowed scholarship fund created in her memory.

"This university has embraced diversity as a critical part of education," he said. "This scholarship will honor students who will follow Jennie as leaders of our communities."

Dr. Carole W. Hancock, a professor at

Washington State Community College, shared facts drawn from her doctoral thesis about early African-American teachers, including Jennie Carter.

"She proved to her family, friends and foes what could be accomplished," Hancock said. "She shed stereotypes and broke barriers with dignity, poise and humor."

In addition to Hayes-Freeland's award, Carter presented certificates of appreciation to Hancock and to the officers of Cal U's Black Student Union. He praised the BSU for its commitment to his great-grandmother's legacy and their efforts in building Carter Hall, dedicated in 2007.

The 352-bed residence hall, which also houses the Multicultural and Health and Wellness centers, is named for Jennie Carter. Her diploma is on display in the lobby.

'58 football standout praises 'great team'

Editor's Note: Cal U held its 15th annual Athletic Hall of Fame Banquet Oct. 16 at the Performance Center. Throughout the fall, The Journal will profile each of the 2009 Hall of Fame inductees.

Joe Sarra '60 is impressed by physical changes to the Cal U campus, but the former Vulcan football standout and longtime coach believes the University's impact goes far beyond its state-of-the-art facilities.

"Some places may look fancy on the outside, and Cal has a beautiful campus, but it's what's inside those new buildings that's important," said Sarra, who was a standout linebacker and fullback for the Vulcans from 1957 through 1959.

"Cal has always had great people to direct the students. They develop leaders."

On Friday, Sarra became the ninth player from the undefeated 1958 PSAC championship team to earn induction into the Cal U Athletic Hall of Fame.

"I am glad to be chosen, but I really accept this on behalf of all the players on that team," he said. "I sincerely mean that, because there are a lot of players on that team who could be accepting this award."

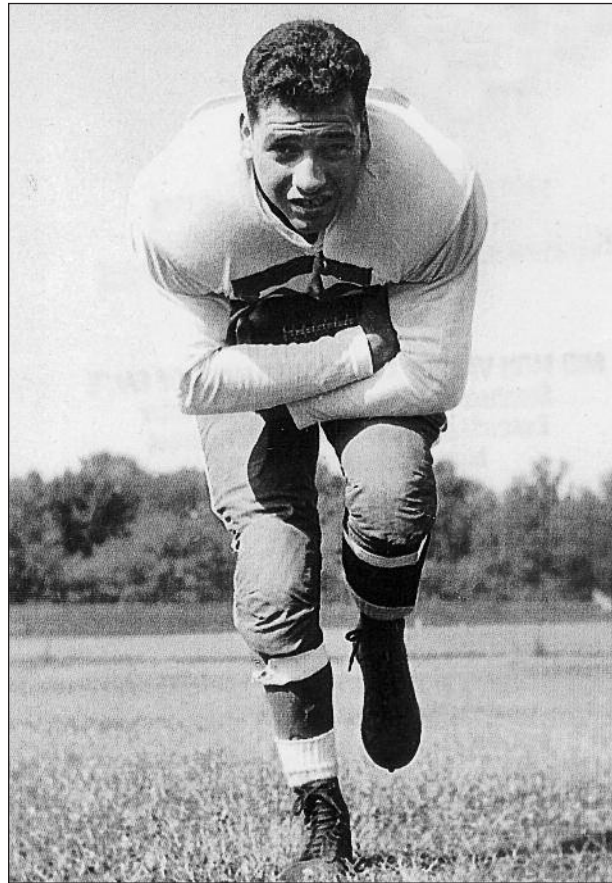
"Academically I could not have gotten a better education from professors who really cared."

— Joe Sarra '60

Coached by 2004 Hall of Fame inductee Ted Nemeth, Cal had a perfect 8-0 season in 1958, outscoring its opponents by a per-game average of 25.9 to 3.9, with four shutouts. In 1959, Sarra helped the Vulcans win six of their eight games. "We had a lot of qualities that it takes to have a great team," said Sarra, who was also a catcher and outfielder on the Cal baseball team. "We were loyal to each other, dedicated, hard-working and tough. We also disciplined ourselves and respected each other. When you have these things, you're going to be successful."

Sarra earned his bachelor's degree in social studies education in 1960. Four years later he received his master's degree in secondary administration and guidance from West Virginia University.

"I am glad I went to Cal State," he said. "Academically I could not have gotten a better education from professors who really cared. When you went to class, it was expected that you were going to listen to the direction they gave you, and they took the



During his playing days in the 1950s, Joe Sarra was a physical linebacker and fullback for the Vulcans, who went undefeated and won the PSAC championship in 1958.



After earning his bachelor's degree, Sarra enjoyed a distinguished coaching career. His final 15 seasons were spent at NCAA Division I perennial power Penn State.

time to talk to you. It wasn't one of those closed-door situations, and the professors were top-notch. You wanted to perform in class."

After he graduated, Sarra taught and coached at several high schools before coaching at Miami University of Ohio for one season and at Lafayette University for 12 seasons. From there he joined the staff of The Second Mile, a State College-based organization concerned with the welfare of young people.

There he met former Penn State defensive coordinator Jerry Sandusky, and Sarra joined the Nittany Lions staff in 1984. For 15 years he coached the defensive line and then inside linebackers before becoming an administrative assistant for special projects under head coach Joe Paterno for two seasons.

Sarra received the Michael Duda Award for athletic achievement from the Cal U Alumni Association in 1992. In 1998, he received the All-American Football Foundation's Lifetime Achievement Award.

In 2000, Sarra was inducted into the Bernie Romanoski Chapter Pennsylvania Sports Hall of Fame, and the following year he was inducted into the Mon Valley Sports Hall of Fame.

While he was at Miami of Ohio, Sarra met current Cal football head coach John Luckhardt. The two competed when Luckhardt was at Lehigh and Sarra at Lafayette, yet Luckhardt asked Sarra to speak to the Vulcans in the spring of 2007.

"Even though we competed against each other, we've been good friends for a long time," Sarra said. "He's done a tremendous job with the California football program."

Sarra said he remains in contact with many of his Vulcan teammates.

"I keep in touch with a lot of the guys and hate to mention just one or two," he said. "I have had some health problems, and many guys have called to offer encouragement. What we had was special — and it still



Cal U President Angelo Armenti, Jr. hoists the Coal Bowl trophy as Vulcans eighth-year head coach John Luckhardt (far left) and Bob '68 and Barry Lippencott look on.

Cal Wins First Coal Bowl

Receiving the first Coal Bowl trophy added to the thrill of victory for the Cal U football team after its 41-28 win at IUP on Oct. 3.

The Coal Bowl was conceived by Bob Lippencott '68, a 2002 inductee in the Cal U Athletic Hall of Fame, and his brother, Barry, an IUP graduate.

Bob Lippencott played linebacker for the Vulcans, and Barry was a standout end for the Crimson Hawks. The Lippencott family has a long history of working in the coal industry and felt the game would be an excellent platform to honor their families and the region's coal miners.

The Pennsylvania Coal Association sponsored the 2009 Coal Bowl. Proceeds

from the sponsorship will be split evenly between the two universities and will be used to fund scholarships for student-athletes.

The Coal Bowl trophy resembles a coal miner's lunch pail. The winner of the game will keep it on display until the teams meet again.

Cal U and IUP began their football rivalry in 1918. Since 2000, either the Vulcans or the Crimson Hawks have won or shared the PSAC-West title. The schools have combined for five NCAA post-season appearances in that time.

The Vulcans will defend their Coal Bowl title when IUP travels to Adamson Stadium's Hepner-Bailey Field on Sept. 18, 2010.

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