

BULLETIN WINTER '11



Sustaining a fresh perspective

by Mark Putnam, Central College president



Artwork by Summer Wendt '13

Several years ago I engaged in a series of conversations with important leaders in society about the future of higher education. On one particular occasion I spoke with a gentleman who was chief financial officer of a well-known high-tech firm. We came to the point in the conversation where I tried to describe the critical role the arts play in enabling students to develop the perspectives needed for success in today's world. My stereotype of a corporate CFO caused me to assume this was one idea he was not going to capture.

To my surprise, he completely understood the point I was making and expressed this by describing an experience from his own life. His daughter, an art major in college at that time, had approached him asking for the keys to the car. As he passed her the keys he asked,

"Where are you planning to go?"

She replied, "I don't know. Do you have a map?"

Puzzled, he said, "A map will only show you how to get from point A to point B."

She responded, "No, Dad. A map is a compendium of all the places in the world you can go."

It's all about perspective. A map can be seen as a tool for precise location, direction and destination or as a resource for exploration. It all depends on the way we see the world.

Most of us have a tendency to reduce things to the simplest level. Our system of learning teaches us to be great analytic thinkers. Categories, taxonomies and typologies become the tools of analysis and memorization and by them we command information. Such frameworks have many important uses.

Exposure to the arts, however, has a way of facilitating more synthetic thinking. It's the integration of ideas, finding connections and networks, and seeing what is hard to see that comes from the heart of the artist in each of us. We bring a fresh perspective when looking at the nuances, the spaces between things, the outliers and the minority point of view.

But, as a society we are not doing enough to sustain the arts in our schools and communities, as research shows less and less young people report having had any music education or visual arts training. The visual and performing arts are essential to a comprehensive education. I am not a musician, and I cannot draw, paint or sculpt with any skill. Exposure to the arts, however, has helped me develop some broader abilities such as visualization, abstraction and composition that are critical in any creative, innovative or entrepreneurial effort.

I once asked a visual artist how he learned to draw. He acknowledged he had been formally taught and gradually developed certain skills in drawing, color and design, but suggested that these were simply tools. The skill, he said, was "seeing." He has the ability to see shape, form and spatial relationships in his mind. His words taught me the arts benefit everyone seeing, hearing, perceiving, designing and imagining.

Many of our students may never make a living through performance or exhibition, but their active participation in the arts will help them make a life that is rich in creativity and innovation. This is something worth sustaining.

For the full piece, go to www.central.edu/go/president

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EDITOR

Abby Gonzales '02

SPORTS EDITOR

Larry Happel '81

GRAPHIC DESIGNER

Brianna Blake

EDITORIAL ASSISTANTS

Mary Benedict

Susan Canfield

Connie Aalbers Marlow '76

Lynne Petty

Peggy Johnson Van Den Berg '83

DIRECTOR OF ALUMNI RELATIONS

Ann Van Hemert '00

DIRECTOR OF PUBLICATIONS

Cyndi Atkins

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Photo by Dan Vander Beek

▲ Ellen DuPré deposits money from Change for Change, a project to raise funds for KIVA.

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▲ Nick Turner '01 is a pilot for the President of the United States.



▲ Senior Brett McKenzie named Iowa Conference MVP.

Photo by Dan Vander Beek

I N T H I S I S S U E

Biggest reunion class gift — ever!



Photo by Dan Vander Beek

▲ The class of 1960 gave Central a record-breaking reunion gift of \$120,000 for Central Fund scholarships.

The class of 1960 set the bar high for all reunion classes to follow. Their 50-year class reunion gift raised \$120,000 for Central Fund scholarships, more than doubling the previous record gift. Led by an active reunion steering committee, which itself accounted for almost half of the total dollars raised, the reunion turned out to be memorable for all that attended.

“What a time of celebration and renewal for us,” said Arlo Stoltenberg ’60. “We were richly rewarded, accomplishing

more than probably most of us suspected possible although longed for — dreams and goals that did come true for us to cherish our remaining years.”

Weekend highlights included class members receiving their 50-year medallion from President Mark Putnam, banner and sign making, tea and tour of Pella, the all-alumni dinner where the class presented the big check to the college and a very special class reunion gathering with special surprises.

“I’m not surprised by the gift this class was able to give the college as this group is passionate about Central, hard-working and talented,” said Dave Sutphen ’61, vice president of advancement. “I look forward to seeing what future classes do.”

BIOMASS PROJECT GETS BOOST

Board of trustees member Stan Poor-tinga and wife Gayle and trustee emeritus Mark De Cook ’64 and wife Kay Kuyper De Cook ’63 gave 17 acres of land near

the Carlson-Kuyper Field Station for Central's prairie biomass project, headed by Russ Benedict, associate professor of biology. The property was former farm land taken out of production because of poor soil, making it ideal for the biomass project.

The project has received donations from many science alumni and the lobbying firm that represents Central College, the Normandy Group. Recently the biomass project was awarded a mission gift from Second Reformed Church.

The biomass project aims to regain prairie, 99.9 percent of which has been destroyed in Iowa. Using 350 plots, Benedict plans to plant mixes of 64 different species to determine the best mix and method of planting and harvesting. The goal is to produce biomass for energy and provide habitat for plants and animals. The site will also be used for research for farmers, agricultural leaders and business people.

CENTRAL PARTICIPATING IN A NATIONAL PROJECT

This fall, the Association of American Colleges and Universities (AAC&U) announced 32 colleges and universities chosen in a competitive process to participate in General Education for a Global Century, a curriculum and faculty development project of AAC&U's Shared Futures initiative. More than 140 institutions applied to be a part of the initiative.

Central, the only Iowa institution, will revise general education curricula to better prepare today's students with skills and knowledge essential for socially responsible citizenship. Institutions will refine general education reform strategies and strengthen connections between existing general education goals and outcomes and essential global learning outcomes. They will look at curricular and co-curricular opportunities for global learning already on their campuses and find ways to better integrate those within larger general education efforts.

HIGH EXPECTATIONS FOR STUDENTS

High Expectations, a pilot program for students, was implemented this fall. The program takes seven expectations — wellness, leadership, community service, moral character, intercultural effectiveness, sustainability and vocational development — and requires students in the program to attend events that encompass the expectations. Students progress through a checklist of requirements and complete reflections for each item. Meetings are facilitated by staff.

“The liberal arts are all about attaining a well-rounded and broadly based education with a deeper understanding of how our abilities impact our world. The work I do through High Expectations will undoubtedly provide me with countless opportunities for deeper reflection.”

Goals of the program include fostering self-awareness and functioning interdependently with groups and individuals.

“It supplements my liberal arts education,” said participant Cameron Van Kooten, a sophomore general studies major. “The liberal arts are all about attaining a well-rounded and broadly based education with a deeper understanding of how our abilities impact our world. The work I do through High Expectations will undoubtedly provide me with countless opportunities for deeper reflection.”

Selected students joined the program fall of their sophomore year and have five semesters to complete requirements. Currently, 20 students are participating in the pilot program with 20 more to join in spring.

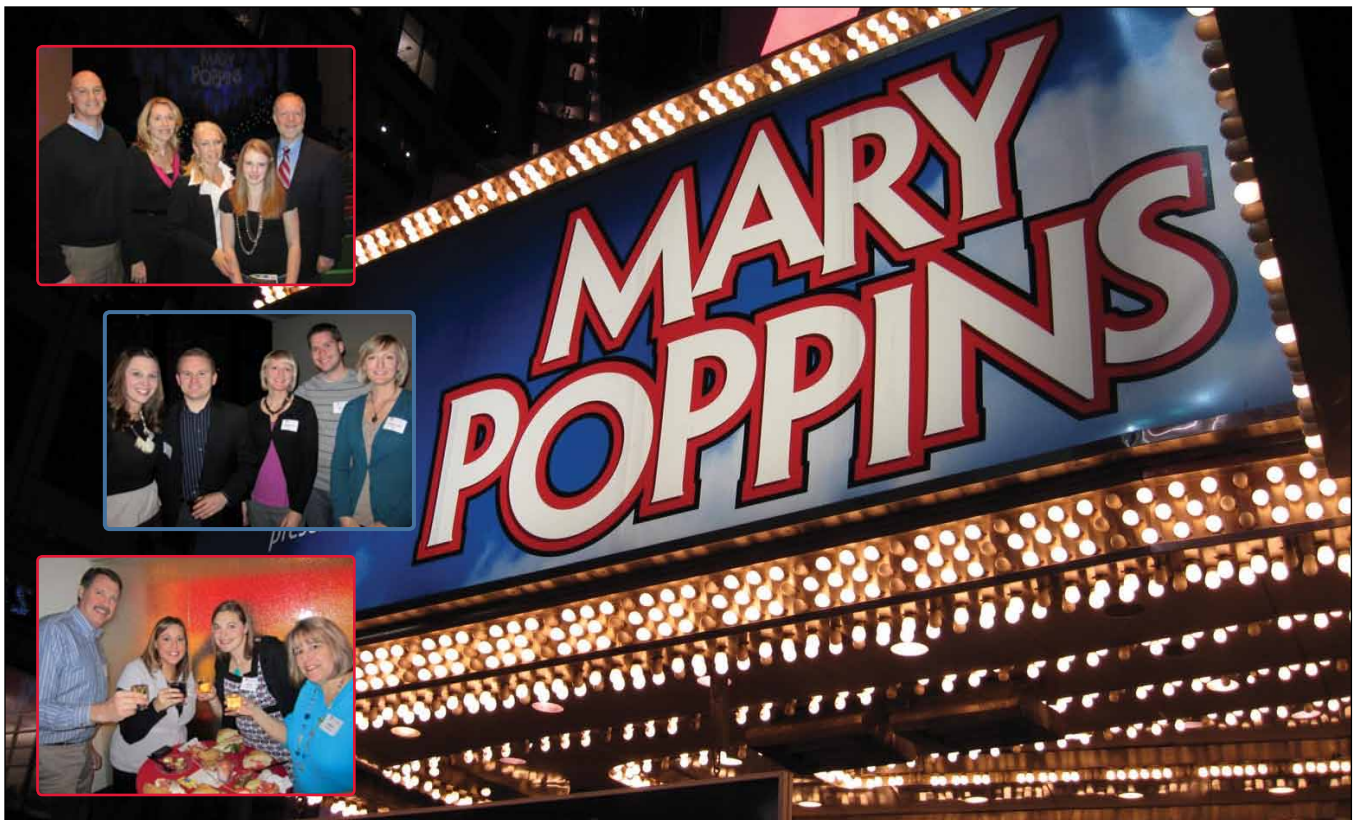
TEACH-IN FOCUSES ON SUSTAINABILITY

Oct. 18-22 was designated as a sustainability teach-in on Central's campus. Intersections classes, among others, involved students in a campus-wide discussion of sustainability and other issues related to their summer reading, *The Boy Who Harnessed the Wind* by Bryan Mealer, who presented on campus Oct. 21. A mix of faculty and staff from different disciplines participated.

The teach-in included:

- Poster sessions and films on sustainability, carbon footprint calculators and student pledges to reduce environmental impact organized by Peggy Fitch, Jim Zaffiro, Ashley Weets and Melissa Sharkey.
- Student presentations on the science of harnessing the wind led by Viktor Martisovits and Paulina Mena.
- Small group discussions on how to mobilize communities for change within the context of sustainability presented by Intersections classes of Mark Putnam, Amy Gates-Young and Keith Jones.
- Community partner panels on fair trade, food security and wind energy with Melissa Childs and Cheri Doane.
- Lectures on the unsustainability of fraud with Sherry Wilson and the paradox of international organizations and poverty with Michael Murray.
- Lab demonstration on how to make a windmill with Cathy Haustein and Jim Shriver.
- Panel discussion organized by Linda Laine about educational experiences in international schools with Sam Mate-Kojo, Sushmina Mandanhar, Gabriel Espinosa, Elena Vishnevskaya and Chen Ying.
- A sustainability-themed “Amazing Race: Intersections” reality-show competition with Josh Dolezal, Russ Goodman and JoNes VanHecke. ■

Supercalifragilisticexpialidocious!



▲ Central College alumni and friends enjoyed seeing *Mary Poppins* at the Des Moines Civic Center in December.

2011 ALUMNI TODAY

Central alumni change e-mails, jobs and locations so often it's hard to keep up with them. Central has contracted Harris Connect to update contact information for all alumni so they can keep up-to-date on news and activities from campus. Harris will also produce a beautiful hardcover publication, *Alumni Today* that will allow alumni to find friends and be used for personal and professional networking.

The publication features an introduction with full-color pictures and a history of the school including a section for photos and memories from your days at Central College.

Harris Connect is the largest alumni publication company in America and specializes in alumni publications and the data needs involved with this type of project. Over the next few months,

alumni will be contacted by phone, e-mail and mail to verify and update contact and career information.

Central College values your privacy and treats your information in a secure manner. You decide whether or not your personal information is published — make your wishes clear to the representative with whom you speak.



ASSISTANT DIRECTOR HIRED

Trenton Blythe '08 has been hired as assistant director of alumni relations. Blythe joins the alumni staff after

spending time teaching and attending graduate school.

"Trenton's recent graduate experience in higher education as well as his personal experiences at Central offer a tremendous amount to the alumni staff," says alumni director, Ann Van Hemert '00.

"I am extremely excited to get to work on the many new and innovative things taking place in the alumni office and the larger campus," said Blythe. "It is my privilege to have the opportunity to get to know and work with the thousands of fellow Central alumni, not only in the state of Iowa, but also around the world."

He takes on several duties in the alumni office with a special focus on Graduates of the Last Decade. Blythe started in this role Jan. 17.

BLAST FROM THE PAST

10 years ago ...

- 16th annual Lip Sync competition
- Coach Gary Boeyink '59 retires as head coach after 28 years
- Theatre Central performed *What the Butler Saw* and *To Steal a March on God*
- Grand Lemming was Dave Mather '01

- The steel drum band became the Flying Pans
- South Gate was the local hangout of choice

25 years ago ...

- H.S. Kuyper Fieldhouse was built; pond rebuilt
- Grand Lemming was Mike Storm '86
- Lip Sync was called "Lip It"
- Sophomores won the 35th Pietenpol Cup with "The Family Zone"
- Central placed second in the NCAA softball tournament

50 years ago ...

- Inauguration of President Arend Lubbers — youngest college president in the United States
- Highest enrollment to date
- Social opportunities included the Welcoming Dinner, the Watermelon Feast, the All-College Mixer and the Moonlight Stroll
- Freshmen who failed to wear beanies were subject to the Kangaroo Kourt
- Sophomore women won the Pietenpol Cup with "Song o' da City"
- Golf was initiated with Don Huffman as first coach
- The Symphonic Band was featured on WHO-TV
- The freshman-sophomore pull was held at Vermeer Pond with the sophomores capturing the crown

What else happened? Take a moment to share them on Central's Facebook page at www.facebook.com/central. ■

CENTRAL COLLEGE TRIVIA

1. When did the Pietenpol Cup start?
2. How many student organizations are available to current Central students?
3. What is the newest building on campus?
4. Who was director of student activities in 1986?
5. How many national championship trophies are currently housed in P.H. Kuyper Gymnasium?

CENTRAL TRIVIA ANSWERS: 1. 1951 2. Over 80 3. Exercise science building 4. Art Alt 5. 11

UPCOMING 2011 ALUMNI EVENTS

WE'RE COMING
TO A CITY NEAR YOU!

FEBRUARY

Phoenix, Ariz.
Washington, D.C.
Mason City, Iowa

MARCH

St. Louis, Mo.
New York, N.Y.
Florida
Ames, Iowa

APRIL

Denver, Colo.
Waterloo/Cedar Falls, Iowa
G.O.L.D. — Des Moines, Iowa



CHECK OUT MORE PHOTOS
FROM OUR MERIDA TRIP AT
www.central.edu/alumni/photos!

Dutch football No. 24 in Division III



Photo by Dan Vander Beek

Junior quarterback Nate Snead led the team in rushing, tallying 642 yards this season.

Central was back in the national NCAA Division III football rankings, finishing at No. 24 after an 8-2 campaign.

Yet the Dutch were only a few plays away from even loftier heights. Central would have had a strong case for another Division III playoff berth if it had hung on to a fourth-quarter lead in the season finale with eventual league champion Wartburg, but instead sustained a 20-17 defeat.

Nonetheless, there were plenty of

stellar performances. Senior defensive lineman Shane Wong of Pleasant Hill, Iowa, ranked 10th nationally in sacks (1.1 per game) at the end of the regular season, while senior punter Kurtis Brondyke of Clinton, Iowa, was 10th in punting (41.6 yards per game) and senior placekicker Jake Viggers of Altoona, Iowa, was perfect on a school-record 44 extra points.

Junior quarterback Nate Snead of Altoona, Iowa, became the first Dutch

quarterback in the past 50 years to lead the team in rushing, gaining 642 yards with 15 touchdowns. He also passed for 12 TDs, completing 96 of 179 passes for 1,510 yards. Junior Jeremy Snead of Altoona, Iowa, topped receiving charts with 38 for 597 yards and seven touchdowns. Senior linebacker Greg Best of Clive, Iowa, was top in tackles with 65.

The Dutch led the league in rushing offense (191.5 yards), rushing defense

(78.7 yards), pass defense (176.8 yards) and total defense (255.5 yards).

Wong led the conference in sacks and tackles for loss (1.7), while Viggers was tops in field goals (1.0) and junior Mike Furlong of Davenport, Iowa, was first in punt returns (9.4 yards).

MCKENZIE TABBED LEAGUE MEN'S SOCCER MVP

Forward Brett McKenzie became the first Central player ever to receive Iowa Conference MVP honors in men's soccer.

McKenzie, a senior from Lindenhurst, Ill., was a three-time all-conference pick and ranks fourth in school history in career goals and points. He racked up 11 goals and three assists, lifting the Dutch to a 13-5 season.

Senior midfielder Cody Jandik of Cedar Rapids, Iowa, was also a first-team all-league pick, while junior defender Garrett Fooshee of Derby, Kan., senior forward Nick DeLucia of Urbana, Ill., and freshman midfielder Daniel Peacock of Ankeny, Iowa, received second-team honors. Junior defender KJ McQuerrey of West Des Moines was given honorable mention.

The Dutch placed fourth in the league and have compiled a 115-49-9 record over the past eight years under coach Garry Laidlaw.

YOUNG PLAYERS DOMINATE WOMEN'S SOCCER LINEUP

Central used the 2010 women's soccer campaign doing the groundwork for what the squad hopes is a more rewarding future.

The Dutch finished the season with a lineup that included nine freshmen and sophomores with just one junior and one senior. The lone senior on the 2-13-1 squad, defender Brianne Knutson of Marshalltown, Iowa, received all-Iowa Conference honorable mention.

GRIEGER, ELLINGSON CITED FOR VOLLEYBALL

Central notched its 19th consecutive

20-win volleyball season, displaying flashes of promise in a 20-13 year.

Junior libero Chelsea Grieger of Pella led the conference in digs with 669 (5.44 per set) and was a first-team all-league choice after being a second-team choice last season. Senior right-side hitter Ashley Ellingson of West Des Moines was a second-team honoree and junior middle hitter Kiley Meyers of Grundy Center, Iowa, received honorable mention.

The Dutch were 5-3 in league play, tying for third. Central returns five of six starters for 2011.

Earlier Central received the AVCA Team Academic Award for a record 10th consecutive year.

DALE, DONNER GAIN ALL-LEAGUE WOMEN'S TENNIS HONORS

Displaying a strong finishing flurry, Central senior Sara Dale of Marshalltown, Iowa, and junior Kayla Donner of Metamora, Ill., received all-Iowa Conference women's tennis distinction as both reached the quarterfinals of Flight A at the league tourney.

Donner, who played No. 4 singles in the regular season, was the team's wins leader with a 13-5 mark.

Central fell 5-4 to Cornell in a marathon first-round match of the six-team league dual tournament and finished fifth.

SURPRISING DUTCH SECOND IN CONFERENCE WOMEN'S GOLF

With two-time Iowa Conference MVP Sarah Paulson of Ottumwa, Iowa, studying in Spain through Central College Abroad, and the team's two other top players gone from the previous season, expectations were muted for first-year women's golf coach Tim Wilkinson.

Yet the Dutch were a huge surprise, matching last year's second-place conference finish. Central even closed to within four shots of first place after two rounds as junior Ali Miller of Davenport, Iowa, posted back-to-back career-best rounds to take the 36-hole tourney lead.

Miller finished sixth to take all-

Junior Ali Miller earned all-Iowa Conference recognition.

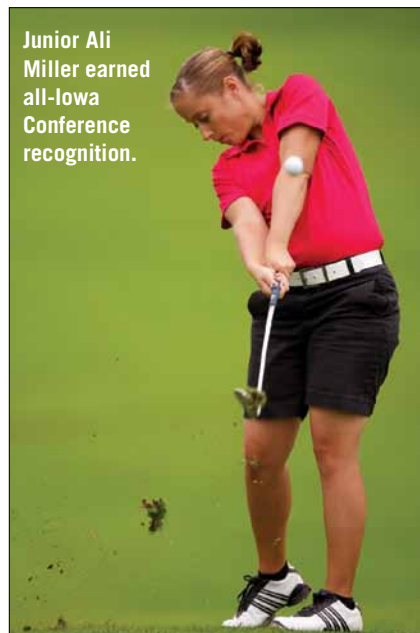


Photo by Dan Vander Beek

conference honors along with sophomore Kaurie Kincaid of Knoxville, Iowa, who placed eighth.

STRONG LEAGUE WOMEN'S CROSS COUNTRY FINISH

Displaying some of the finishing burst of last year's NCAA Division III meet qualifiers, the Central women's cross country team was third at the Iowa Conference meet. The young Dutch men's squad settled for a seventh-place showing.

The men rebounded at the NCAA Division III Central Region meet with an improved performance, placing 14th in a 26-team field. But the Central women's squad struggled, slipping to 17th in a 27-team field after cracking the regional rankings at No. 10 two weeks earlier.

Sophomore John Gonzalez of San Antonio, Texas, was 54th at the regional meet and led a varsity unit that included just one junior along with six freshmen and sophomores.

Senior Sara Crippen of Williamsburg, Iowa, was the Dutch leader for the first time in her career at the regional, placing 51st, followed by sophomore Mel McDermott of Britt, Iowa, who was first or second for Central in every meet. Claudia Garcia of Iowa City was the only other senior in Central's top seven. ■



Working **IMPROVE** *energy* **efficiency**

Perhaps by inertia, Jeff Kloster '03 was initially drawn to Central because of the vast opportunities presented to him in academics, music and athletics. Strong in mathematics and the sciences, his academic path led him to ultimately pursue engineering. He was one of the first to utilize Central's 3-2 program, where students obtain a bachelor's degree from Central by transferring back credits from the partner school. Kloster graduated from Iowa State University with a degree in mechanical engineering in 2005.

After graduation, he joined Black & Veatch in the Power Generation Services group, headquartered in Overland Park, Kan. On a daily basis, Kloster oversees remote monitoring processes for over 6,000 megawatts of electrical generation nationwide, enough to power 3.5 million homes. Using real-time data and sophisticated predictive models, he and his team work to proactively identify, analyze and solve operating inefficiencies at power plants.

"In the world of power generation, it's all about identifying and addressing issues before they become critical, lights-out problems," Kloster said. "We work with utilities in real time to ensure efficient operation and to mitigate both operational and economic risk."

What drew him to the energy industry was the realization of how integral it is to daily life.

"I was always amazed that electricity is largely responsible for modernization of Western society, but there are still 1.7 billion people on this planet who don't have reliable access to it."

It's clear the need for power within the

developing world is great, but even here, in the United States, there are strong needs.

"Our concern isn't so much access, but how we reduce the environmental impact of our electrical system," he said. "Installation of renewable technologies and energy efficiency provide our way forward."

Wind, solar and biofuels are renewable resources with traction in the United States, but none are a silver bullet. Billions of dollars of investment in the transmission grid are needed for wind energy to reach its full potential. Cost has largely inhibited solar deployment thus far, but it's likely there could be wide adoption of rooftop photovoltaic systems over the next two decades if incentives are properly used. Biofuels could be a good resource in the future, too, but until the resources used for energy don't compete with food markets, large-scale development may be difficult. The final option is energy efficiency.

"It's not quite as glamorous as a green cornfield full of wind turbines, but energy efficiency can have a big environmental impact," said Kloster. "For example, a one percent improvement in operating efficiency at a typical coal fired power plant can reduce carbon dioxide emissions by 36,000 tons annually. That's the equivalent of taking 6,400 cars off the road."

"Forty years from now, I fully expect there to be more wind turbines and solar panels providing electricity, but the inherent reliability and dependability of fossil based resources will keep them in play. Ensuring they run as efficiently as possible will be a key factor in our environmental success."



BOOMING *into* the NEXT phase

In 2001, Carol Gosselink '79 packed up her belongings and moved from Colorado to Missouri, where she accepted a teaching position at Missouri State University. She couldn't be 12 hours away from her aging mother. Amidst purchasing a new home in Springfield, her mother died unexpectedly. Gosselink was heartbroken and lost. While adjusting to a new job, new home, new life, and new beginning, she had to do it all while mourning the loss of her mother. Ironically, the first class Gosselink had to teach was Death, Bereavement and the Elderly.

Gosselink remembered, "My mother was 88, so people would say, 'What do you expect? She was old. Of course, she died.' But I had always been a mommy's girl and the loss was devastating."

Gosselink looked for books and resources to help her cope, but little existed for bereaving adult children.

"I swore at that time if I got tenure I would apply for a sabbatical and interview baby boomer daughters whose mothers died when the daughters were adults," said Gosselink, who is associate professor of psychology at Missouri State University. "We are coming to a time where we [baby boomers] are going to have to be caring for — and saying goodbye to — our moms and our dads."

With 79 million baby boomers getting older, society needs to figure out ways to make them more self-sufficient and independent through better public transportation, signage and employment. There aren't enough services, money or family to look after the boomers.

"I think the government and the programs

have not fully grasped that the boomers are coming," she said.

"Ageism in and of itself is hard," said Gosselink, who noted that most birthday cards poke fun of old age. "We [society] value young models portrayed in the media. But we don't celebrate the beauty of gray hair and the importance of the wrinkles around the eyes and mouth from years of laughter and smiles."

Society sometimes devalues elders when they are no longer "productive," but that is throwing away a natural resource. Gosselink views elders as sources of knowledge and assistance. Billions of dollars are contributed each year by older volunteers caring for family members who otherwise would require paid services. They also save organizations billions of dollars by volunteering in hospitals and civic situations, such as being poll workers during elections.

Gosselink believes it's time to think about sustainability and to work together inter-generationally.

"We need to sustain as a whole — as a community of people," she said. "I think our creativity and innovativeness in the United States will fire up new ways and better solutions for all generations to be able to take care of our population and planet. We have such a wonderful country, but we need to give back, just as older generations have taught us."

Gosselink is looking for participants for her research. If you are a female baby boomer whose mother is deceased, contact her at CarolGosselink@MissouriState.edu.



Extreme **Makeover:** **BUSINESS** Edition

With the struggling economy, many companies across the country are looking for ways to cut costs without layoffs that would add to the frustration of the current situation. With cutting edge technology in energy efficiency, there is help on the way and Emmet George '72 is part of the solution with his company, ElectriTech Inc.

ElectriTech Inc. is an energy services business in Naperville, Ill., that George organized in 2004. The company markets energy efficient and renewable energy products and services, as well as energy consulting. ElectriTech compiles energy efficiency performance contracts for various constituents including schools, hospitals, nursing homes and industrial facilities, which in particular, have difficulty reducing energy consumption. George maps a facility in terms of electricity usage by identifying motors, lighting, any use of electricity and then uses a computer model to develop a proposal for reducing energy consumption. Based on this engineering study, the energy savings level is projected and guaranteed, backed by an insurance bond for the assurance the customer will achieve the projected savings.

"We try to keep recommendations reasonable so customers will be able to realize a return on their investment in two to three years," he said. "That's the goal.

"Energy prices in the United States 25 years ago were lower, and energy consumers were not concerned about energy costs," explained George.

The demand for electricity is elastic; when price goes up, consumers respond by reducing the

amount of electricity they use or alternatively look for solutions to reduce consumption without reducing productivity.

The electric industry in Illinois was restructured beginning in 1997, and electricity prices were reduced by 20 percent as a legislative compromise. The price was frozen at that level initially for five years, but later extended for another five. After 10 years of reduced prices, the expected competition did not develop as anticipated.

"ElectriTech was organized to respond to the demand for energy efficiency solutions when that freeze was lifted," said George. "There was a lot of clamoring for ways to reduce electricity costs."

However, the demand for help was moderated by the recession. As the electricity demand in a community goes down, the reduced demand results in reduced usage and lower energy costs.

A progressive solution to energy conservation by consumers is in lighting — going from incandescent to florescent or LED, a light-emitting diode. The relative savings when comparing to incandescent lights is 75 percent saving of energy consumption with florescent tubes and 95 percent relative to incandescent versus LED. LED bulbs last 50-100,000 hours and also generate 95 percent less heat than traditional incandescent bulbs.

"That's pretty dramatic as you also save energy in terms of air conditioning where you're using LED bulbs," George said.

The future of energy efficiency and alternative energy is bright.



MITIGATION **CO₂** *Emissions*

Driven by concerns related to climate change, new technology is constantly emerging to make the world more environmentally sustainable. When Angela Goodman graduated from Central in 1996, she never considered she would play a role in developing that technology.

Goodman earned a doctoral degree in physical chemistry from the University of Iowa, conducting research on the chemical balance of the atmosphere.

"I have an interest in technology that helps the earth," said Goodman. "That's really why I was drawn to this area and my job."

Employed for the last decade by the U.S. Department of Energy at the National Energy Technology Laboratory (NETL) in Pittsburgh, Pa., Goodman works with a team of scientists focused on developing carbon dioxide capture and storage technologies (CCS), a process in which you capture and store carbon dioxide from the atmosphere that would otherwise stay in the atmosphere.

Carbon dioxide is the leading greenhouse gas, making it primarily responsible for the growing climate-change crisis facing the globe. Man-made carbon dioxide mostly comes from the burning of fossil fuels, which has led greenhouse levels in the atmosphere to significantly increase since the preindustrial level possibly contributing to climate change. Managing its production or mitigating its effects, therefore, is a top priority for environmental scientists.

The NETL team is developing technologies to capture carbon dioxide at its emission points, such as power plants, and store that carbon dioxide below the earth's surface for hundreds to thousands of years.

"Right now we're looking at depleted oil and gas reservoirs, saline formations and unmineable coal seams to store carbon dioxide," Goodman said. "Storing the carbon dioxide below ground will prevent it from rising into the earth's atmosphere and furthering the greenhouse effect that is driving global climate change."

"With new technologies and innovative ways of thinking, I'm constantly learning and being challenged."

Beyond the development of carbon dioxide capture and storage technologies, Goodman is also involved in deriving carbon storage capacity estimates for the entire United States.

"It is important to know where and how much carbon dioxide can be stored across the country to determine whether this technology is truly feasible," Goodman said.

These storage estimates will allow policy makers to make informed decisions about the use of this new technology.

"The United States is not the only country trying to develop this technology," Goodman stated. "It is truly a worldwide collaborative effort."

Change For Change

A social justice project supporting microcredit lending

by Ellen DuPré, associate professor of biology and health professions coordinator



Photo by Paul Gates

▲ A little change making a big difference.

A few years ago while carpooling to a conference with Central College colleagues, the conversation turned to social justice. Cheri Doane, director of community-based learning, mentioned Muhammad Yunus and his work establishing the Grameen Bank. I researched Yunus and his microcredit

organization and discovered that small loans are provided to people with no credit history, no collateral and no chance of obtaining a standard business loan. Many of these loans are provided to poor women and used to purchase equipment or supplies to develop or expand their business. The repayment

rate for microloans is much higher than for standard loans. What a simple, innovative and brilliant solution to a worldwide problem. I knew I wanted to somehow be involved with microcredit.

A few weeks later my son asked me for \$50 to buy something I was sure he didn't need. I suggested that if he

Ellen DuPré

Associate professor of biology

- 10th year at Central College
- Grew up on a small farm outside of LeMars, Iowa; the sixth of nine children
- Graduate of Mankato State University (Minn.); doctoral work in biomedical sciences from Wright State University (Ohio)
- Taught biology in Florida for seven years before moving to Pella in 1999
- Has two sons with husband Joe — Michael, a junior at Skidmore College (N.Y.), and Kenny, a sophomore at Pella High School
- Enjoys hiking, spending time on the beach, painting and reading

could earn the money himself, I would allow him to purchase the item. He did not have a job at the time, but he was determined to find the money. He asked my husband if he could have the change from his pockets each day, the change I kept in a container on my dresser and the change we received from routine purchases that month. By the end of the month he collected over \$60 in change. I was surprised how quickly small change added up, and this gave me an idea: we could use our spare change to change the lives of others through microcredit loans.

I am a member of the SUSTAIN group on campus, founded in 2005, composed of faculty, staff and students. The mission of SUSTAIN is to help build campus-wide community by offering opportunities for people from different areas of the college, especially students, to come together to share ideas, raise awareness, educate ourselves, and coordinate with each other. Change for Change became one of our projects.

Collecting change for microloans was a community effort. I placed coin collection jars in key locations on campus: the bookstore, information booth, Café@Geisler and the football and basketball concession stands. I made several trips to the bank with pounds of change. Individuals, groups and formal student organizations also adopted this as a fundraiser. After 15 months of collecting and fundraising, we accumulated \$675.

KIVA was chosen for our Change for Change project because it is a credible agency whose mission is to “connect people, through lending, for the sake of alleviating poverty.” KIVA is the world’s first online lending platform that connects lenders to entrepreneurs around the world. I was impressed with the ingenuity of the organization and the opportunity it offers lenders to become more engaged in the process. Lenders may choose who will receive their loan money. Once a loan is made, the lender receives information regarding the loan status. Money repaid is either returned to

the person lending or used to re-loan to another group.

In December 2009, several students and I selected 27 different individuals and groups to which we contributed \$25 toward each of their total loan requests. Loans were used to support many ventures including purchasing cows to increase the quantity of milk one family could sell, purchasing dressmaking supplies, repairing a taxi which was the source of family income, repairing a vehicle used to transport goods to the market, and hiring help to support the harvest. I received regular e-mail updates about each loan and by January 2010 our loans were already being paid back. Within six months all the loans made were paid back. The money was then used to fund loans for more individuals and groups. A binder which contains information about each entrepreneur to whom our money has been lent can be found in the Office of Global Sustainability Education.

Community interest in this social justice program continues to grow. Last spring we had a KIVA fellow, Sierra Visser, visit Central College and talk to us about her experience working with field partners in two countries and how

this impacted her life and the lives of the entrepreneurs. This fall, several Intersections student groups have chosen to raise money for the KIVA microcredit project. A retired faculty member visiting the Global Sustainability Education office saw the KIVA binder and was so impressed that he is making a sizable contribution to this project.

As of Oct. 25, 2010, the Change for Change project has made 54 loans to people in 28 different countries. All loans have been fully repaid within a matter of months. The Central College KIVA team currently consists of 13 members and has made 37 loans. I encourage everyone to visit the KIVA website (www.KIVA.org), go to the community tab and become a Central College team member. Loans can be made for as little as \$25 and the money you lend, once repaid, is yours to re-loan or to keep. However, donations are not tax deductible because you might be repaid. I like to think we can all make a difference and microloans provide us with an opportunity to use our change to change the world, one small loan at a time. ■

Mark: my words

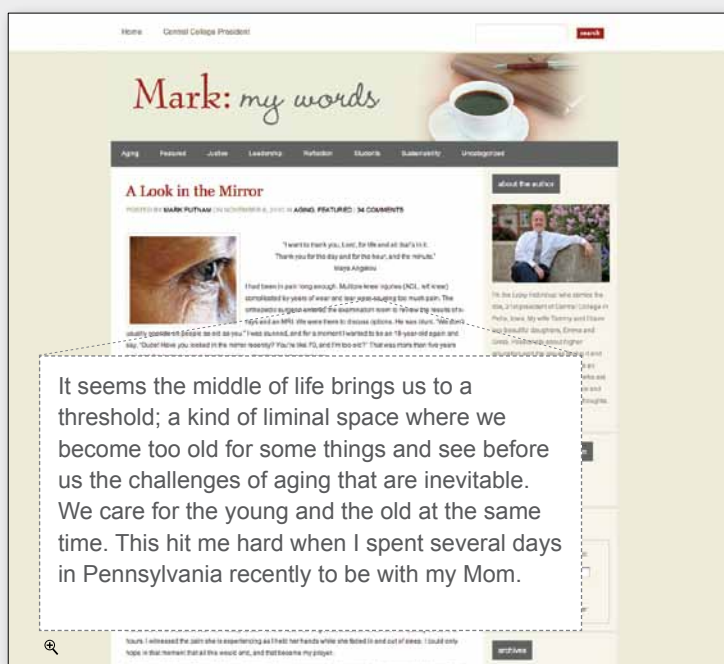
We invite the Central College community and others to engage in a dialogue on President Mark Putnam's blog site, Mark: my words.

Mark explores issues facing higher education and the world today with posts on such topics as aging, justice, leadership and sustainability.

Don't be shy — chime in and share your thoughts. Our goal is to have a respectful conversation about what our alumni and our students are facing now and what is to come in the future.

A Look in the Mirror

POSTED BY MARK PUTNAM ON NOVEMBER 8, 2010 IN AGING | 34 COMMENTS



It seems the middle of life brings us to a threshold; a kind of liminal space where we become too old for some things and see before us the challenges of aging that are inevitable. We care for the young and the old at the same time. This hit me hard when I spent several days in Pennsylvania recently to be with my Mom.

34 Responses to "A Look in the Mirror"

Jeff Kisner, CUI '77 says:

NOVEMBER 9, 2010 AT 6:53 AM

In a world where what one does is valued more than who one is, I find it refreshing to see the willingness of the CEO of a regional philanthropy be vulnerable. In so doing, he might inspire others in similar commanding roles to do likewise and demonstrate themselves to be servant leaders. In addition, Dr. Putnam also identifies societal trends that potentially can affect curriculum and funding, something that he must do as he presides over my alma mater. Thanks, Mark, for showing us the way.

Current Central Parent says:

NOVEMBER 9, 2010 AT 10:40 AM

Opening some dialogue with the community in this manner is a tremendous idea. Keep it up. It will help us to know each other.

Blessed is Nothing

POSTED BY MARK PUTNAM ON NOVEMBER 22, 2010 IN REFLECTION



American culture seems to reward accumulation and attics, closets and garages are the museums of our lives. The experience of sorting, packing and moving is the one occasion in which the inventory process reveals in one moment the very best of intentions and the short-sightedness of many choices.

20 Responses to "Blessed is Nothing"

Dani Law says:

NOVEMBER 23, 2010 AT 9:20 PM

"Great minds discuss ideas. Average minds discuss events. Small minds discuss people." Eleanor Roosevelt

Thank you for your words, President Putnam. You have shown a surprising degree of involvement in the lives and activities of everyone on this campus, and through your words and actions you have shown many of us which of the above categories you belong to. While I might not agree with everything you've said since you've been here, I am happy to have crossed paths with someone like yourself. Thank you.

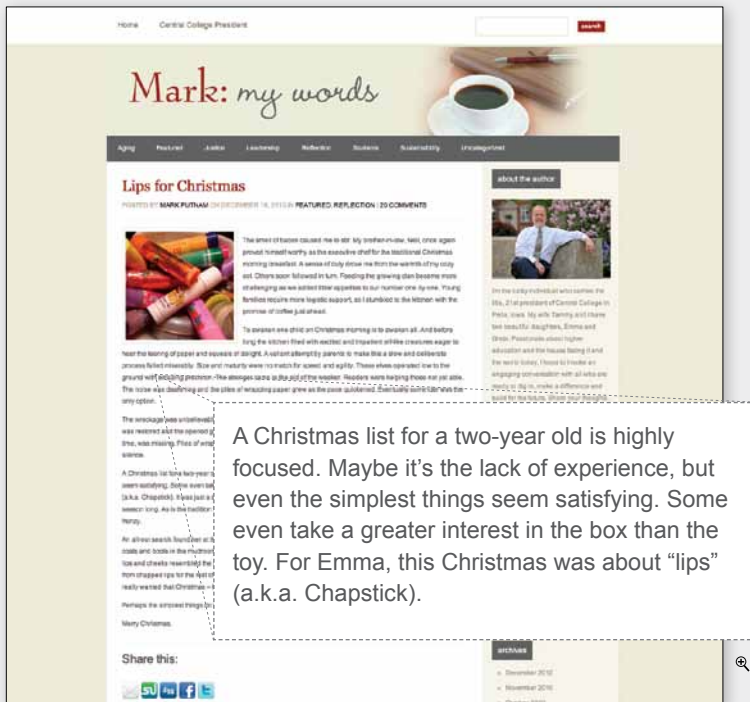
Jennifer Giezendanner-Gates says:

NOVEMBER 26, 2010 AT 3:48 AM

Thank you, Dr. Putnam, for this thoughtful review of your private "big mess." I especially applaud the idea that as we grow and learn we leave some aspects of ourselves behind. Thus, it's okay to pass on the material stuff that went with those activities and aspirations to someone else. May we also have wisdom in choosing the directions for our growth, and be generous in those as well.

Lips for Christmas

POSTED BY MARK PUTNAM ON DECEMBER 16, 2010 IN REFLECTION



20 Responses to "Lips for Christmas"

Jeffy Schuring says:

DECEMBER 16, 2010 AT 2:48 PM

Mark you are so right – sometimes the simple things in life bring us the most joy. Sometimes the 50 cent items intrigue kids more than the expensive ones and as adults, the love and presence of family means the most. Thanks for sharing – Merry Christmas to you and your family!

Ashley Albaugh says:

DECEMBER 16, 2010 AT 5:21 PM

Being so far away during the lead up to Christmas has made me truly appreciate all the little things that go with the Christmas spirit. I realized only since being on a study abroad program how much I take for granted back home. This year for Christmas I'm looking forward to nothing more than my family and friends and my mom's home cooked meals. Thank you for sharing it has been so interesting for me to read your blogs while I've been gone since I haven't been on campus to experience life with a new president.

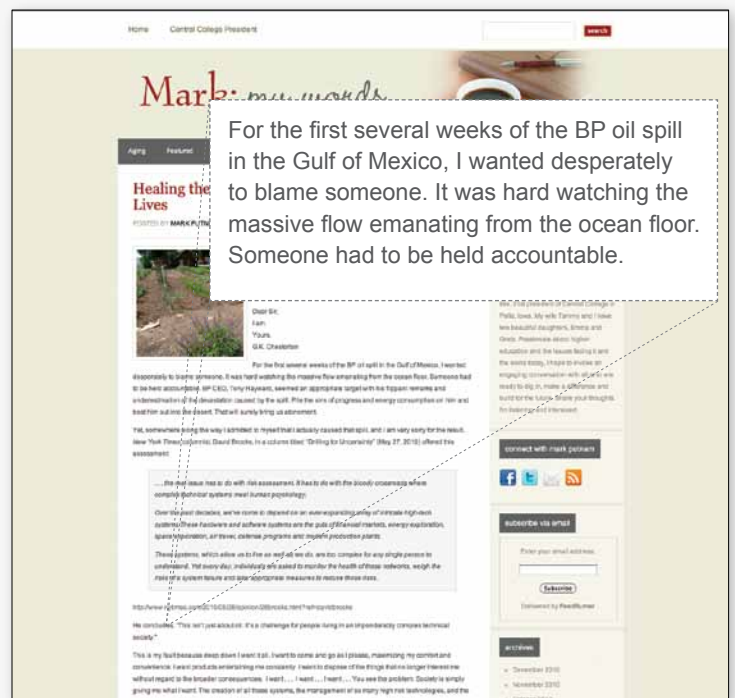
Karen Schabillon - Central Mom says:

DECEMBER 17, 2010 AT 2:36 PM

I laughed & cried reading your blog – I traveled to Pella last night to pick up precious cargo – my sophomore daughter. Upon arrival, we found her busy: cleaning, sorting & packing – We didn't leave until 11pm & home well past midnight. It was wonderful to have that time with her; how quickly they grow up. Reading your story, I was reminded of the innocence of children & the wonder of this time of year. How delightful! Merry Christmas to you & yours – May you enjoy the season & the wonders of your family, home & new found friends.

Healing the Wounds of Our Environment and our Lives

POSTED BY MARK PUTNAM ON SEPTEMBER 21, 2010 IN SUSTAINABILITY



158 Responses to "Healing the Wounds of Our Environment and our Lives"

Jamie Gyolai says:

SEPTEMBER 21, 2010 AT 8:28 PM

This post demonstrates true leadership – thank you! Personal selfishness, comfort, convenience ... bring on many of the worldly challenges at hand. Don't believe me? Just ask yourself "why" you make the choices you make – and be honest.

I appreciate you setting the example and count me in to do the same.

Brandon Eighthmy says:

SEPTEMBER 22, 2010 AT 8:58 AM

I appreciate your thoughts Dr. Putnam. I agree that every little bit of conservation helps us sustain our earth. It is also known that leadership is example, and everything else is coercion.

Brandon Eighthmy
Class of 2001

Bruce Janousek, PhD - Class of 1975 says:

SEPTEMBER 22, 2010 AT 9:02 PM

Dr. Putnam – Thank you for your well-articulated thoughts. What you have chosen to do sets a great example for alums, students, and faculty. It's interesting ... when I was a student at Central and one decided to do something that was respectful of our fellow man and the earth we all share, it was not labeled as liberal or conservative – it was called responsibility. Thank you Central for teaching me this.

HORIZONS OF Opportunity

the inaugural year

Squonk Opera presents *Central College: The Opera*



Ever wonder what an opera about Central College would be like? Wait no longer — or maybe just until April 15-16. As a featured event of the Inaugural Year spring semester, Squonk Opera will perform *Central College: The Opera*, an opera about Central College.

Central College: The Opera combines a heartfelt toast of the college community with a vaudevillian roast, poking fun at our own overblown grandeur. The site-specific opera is about the one subject that unifies the audience wherever performed — the community.

Jan. 25-28, Squonk Opera came to campus to learn about the college's history by speaking with Central community members. Video-taped interviews with local community members, Central alumni, employees and students unveiled the college's victories and scandals, icons and idiosyncrasies.

The show celebrates the rich worlds we build in our hometowns and explores the contemporary issues of community allegiance while still being a Squonk image-concert.

Squonk Opera started creating unique operas over 15 years ago and is led by Jackie Dempsey and Steve O'Hearn. The group has toured internationally since 2003 and over 200,000 people have been entertained by their performances. Squonk Opera has performed workshops and residencies at over 50 universities, middle schools and museums all over the United States.

Squonk Opera will be back on campus Wednesday-Thursday, April 13-14, for rehearsals with performances Friday-Saturday, April 15-16. Tickets will be available Friday, April 1, by calling 641-628-9000.

Sustaining my faith while helping others to sustain theirs

by Ashley Kinkade '12

When I was in high school, I treated my faith the same way I treated reusable substances. I never thought I could make a difference by sharing with others. I threw away my beliefs the same way I threw away recyclable items.

However, in my first year at Central College, I learned what it meant to be sustainable and a responsible citizen. Dining trayless, re-using plastic silverware and taking shorter showers were all ways I learned to be environmentally responsible in college, but no one had ever talked to me about sustaining my faith.

Personally, faith was not something I had much of before coming to Central. During my sophomore year in college, someone graciously donated money for me to attend campus ministries' annual mission trip to Reynosa, Mexico. While talking to people in Reynosa about God, I grew to know and love God myself. The people of Reynosa did not have all of the wonderful things I have in my life every day, but they had such a love for God. I wanted that love for God to be reflected in every action of my own life. Upon returning, my faith really took a leap, and I grew to become more like Christ every day. I yearned to show everyone what it meant for me to be a Christian and to keep my faith.

Second semester, I left for China on Central's study abroad program. As a renewed Christian, I felt as if I might lose my faith while overseas because I would not have the same nurturing faith community in China. I was quickly proven wrong as I began my journey in China. I was able to sustain my faith by reading the Bible my friends bought for me before I left. I took China as an opportunity to expand my beliefs in private and grew to believe what I felt God was telling me. I found a few Christians in China, and one of them even gave me a scroll with John 15:16 — the same verse my Dad gave me as I was struggling with a relationship.

This fall, Kristin Tremper '03, coordinator of Reformed Church in America

(RCA) relations at the college, was gathering a group of students together to travel to RCA churches to talk about their faith. I chose this as my best opportunity to sustain other people's faith as well as my own. I spent many Wednesdays traveling to RCA churches to meet high school students and share our faith stories. I found my walk with God related closely to many high school students' personal lives because my walk was not always easy. I wanted to show others they can make a difference in the world we live in, even if the results don't show today. They will eventually. ■

Ashley Kinkade is a senior elementary education major from Oskaloosa, Iowa.



Breakfast of Champions

A Central College tradition — faculty and staff serve students late-night breakfast to fuel them for final exams.



www.central.edu/go/breakfastofchampions