Poly students take marine robots on Arctic expedition

Jessica Barba

Two Cal Poly professors and two alumna used marine robots to study underwater Arctic life on an expedition to Norway last month.

Cal Poly biological sciences professor Mark Moline and computer science professor Chris Clark said there is almost no knowledge of what is happening in the Arctic ecosystems during the winter due to polar night. Robot participation was necessary to reach certain areas that had never before been discovered.

During the two-week expedition, Moline, Clark and computer science alum Scott Lydon and Robbie Plankenhorn lived in total darkness in an old coal mining settlement turned research station.

"This was the first time we really had to deal with harsh conditions," Clark said. "There were extreme conditions like the cold, dark and polar bears. You always had to go with someone with a rifle."

The expedition was first conceived of when it was commissioned as part of the NORSU program titled "Technology Development for Marine Monitoring and Ocean Observation." Moline started the program by writing a grant to the Norwegian Ministry of Higher Education.

"I thought what students were lacking was a perspective and hands-on experience in other disciplines," he said. "In this case, I thought biology students needed more background and experience in engineering to better be able to sample and investigate the oceans and particularly the Arctic undergoing climate changes."

Moline and Clark carefully selected the students based on their experience with the robots and put them through a one-week training course before they moved into the research station. The students' participation in the expedition widened their perspectives on the opportunities available in the technical aspect of research.

see Robots, page 2

On-campus center looks to improve professor performance in classroom

Will Taylor

Cal Poly's Center for Teaching and Learning (CTL) is a resource for faculty members, new and experienced, looking to improve their classroom performance. Located on the second floor of the Robert E. Kennedy Library, the center offers workshops, consultations and learning activities for faculty.

The CTL is not associated with any one college at Cal Poly. The program is funded by a variety of sources including the provost's office, the California State University (CSU) Chancellor's Office and Information Technology Services, said Al Liddicoat, assistant vice president for academic personnel and interim director for the CTL。

The CTL aims to supplement and aid faculty at all levels of their careers at Cal Poly, Liddicoat said.

"Our goal is to provide support for the brand new teacher to the seasoned teacher that is doing new things in the classroom," he said. "Basically what our center is is a place that helps and supports faculty in teaching and learning and also professional development."

The program began in 2000 when computer science professor and founding director of the CTL, Joseph Grimes, took charge from the provost's office. Grimes has seen the program grow significantly. "Basically, we started out with probably around 100 to 200 people participating the first year," he said.

"Most recently we've had over 1,000 (yearly)."

The program provides brand name teachers and transfers with the opportunity to attend a new faculty orientation, which occurs during Week of Welcome, Grimes said. This is to learn about the Cal Poly learning environment and the university's specific learning policies, like add and drop procedures for classes. According to Grimes, a recent survey reported that 90 percent of faculty in their first five years said that this orientation helped their teaching in a significant way.

see Center, page 2

SWEEt victory for women engineers

Megan Hassler

Five women engineering students were honored for excellence in leadership, work experience and grade point average at the 34th annual Evening with Industry gala last Thursday at the San Luis Obispo Embassy Suites. The event was put on by the Cal Poly Society of Women Engineers (SWE). At the event, the winners of the engineering and technology award were announced, $27,500 worth of scholarships were awarded, the SWE president was named an emerging leader, and Lee McFarland, a lecturer in mechanical engineering, was named "Most Supportive Professor."

The women engineers recognized were five out of 18 nominated by their department. Nominees were evaluated on faculty recommendations, demonstrated leadership, work experience and grade point average. All of the winners were also involved in multiple extracurricular activities. Students apply for these scholarships while others are from outside companies.

"My favorite part is the outreach. I kind of get to give back to the next generation," Daw said. "I like to feel like I might be paving the way for them to become engineers."

In addition to recognizing these students for their achievements, scholarships were given out at the event. Students apply for these scholarships ahead of time. Some of the winners are through the college, while others are from outside companies.

A total of 35 scholarships were given out and the awards ranged from $500 to $1,500.

Another yearly award at the banquet is to choose the "Most Supportive Professor" from within all engineering departments.

see Engineers, page 2

My favorite part is the outreach. I kind of get to give back to the next generation.

—Alyssa Daw software engineering senior

an industrial engineering senior, had an internship with Boeing in Washington. Alyssa Daw is a software engineering senior who worked as a Google software engineer test intern and has a 3.99 cumulative grade point average.

Other winners worked on projects and led campus groups. Rodham Patel is a civil engineering senior and participant in a project at University of California, Davis dealing with the interaction of seismic soil-structure. The final winner, Jessica Paz, is an industrial engineering senior and president of Cal Poly's Engineering Student Council.

The recipient of 2010's Outstanding Women in Engineering and Technology Award, Alyssa Daw, has been a member of Society of Women Engineers since 2006. She has held leadership positions such as vice president of public relations and network director.

"My favorite part is the outreach. I kind of get to give back to the next generation," Daw said. "I like to feel like I might be paving the way for them to become engineers."
Robots

continued from page 1

"As computer engineers, we tend to focus on programming, but the logistics becomes a huge part of testing, getting it there and getting it working," Eaton said.

Some of the tools the students helped operate were Autonomous Underwater Vehicles, a Remote Operating Vehicle (ROV) and an ocean bottom crawler. Moline, who first began working on undersea robots in 1996 at Woods Hole Oceanographic Institution and did his post-doctoral thesis on Antarctica, said he saw this expedition as the perfect opportunity to further his research and learn about how life works in total darkness.

"Personally, I have conducted a number of underwater missions with my autonomous underwater vehicle. Specifically, we are looking at the distributions of small organisms in the water, and how they move and interact with each other," Moline said. "We are trying to piece together the word outside and share our experiences," Moline said. "We think we are doing something special here, not only in terms of the science, but with the educational approach."

Autonomous Underwater Vehicle Applications Center, a leading underwater robot research organization, heard about the blog and linked it to their Web site. Clark said he hoped that the blog could help the public learn more about their research and generate funding for future expeditions.

The expedition to Ny-Alesund, Svalbard in Norway's Arctic region was funded by the Norwegian Government, National Geographic and the United States National Science Foundation.

Clark said he hoped the expedition could contribute more information and further devices on the Arctic ecosystem.

Center

continued from page 1

To continue its support of teachers throughout each quarter, the CTL provides technology workshops and lectures every Friday ranging from how to use technology in the classroom to how to make it more effective during fund training.

"Course Design with Technology in Mind is a workshop to explore ways to use technology to improve learning," Liddicoat said. "It helps answer the question: How do you provide a richer environment with technology?"

Other opportunities that the CTL provides are cohort learning, when teachers get together and share teaching experiences, and faculty development workshops where skills in grant-writing and entering research communities are discussed.

"Writing For Generally Every Discipline (WINGED) is another program hosted by the CTL WINGED attempts to aid teachers in helping students write, and think better in their classes, said English lecturer and writing proficiency exam coordinator Deborah Wilheln. Wilhelm said that one important role WINGED plays is helping teachers deal with students who may be unprepared for college-level writing. Another is helping faculty design assignments so that students know what is expected of them. Because the program is independent of any college, they are not required to be reviewed. Yet last year, the CTL underwent a review process run by outside members from national learning centers. I didn't say, "We did it just to assess the impact and to look at our vision for the future," she said. "It was very complicated and talked about a lot of positive things and the impact we've had on faculty."

"Because the program is independent of any college, they are not required to be reviewed. Yet last year, the CTL underwent a review process run by outside members from national learning centers. I didn't say, "We did it just to assess the impact and to look at our vision for the future," she said. "It was very complicated and talked about a lot of positive things and the impact we've had on faculty."

Engineers

continued from page 1

After the club receives nominations for the award, a committee of club member interviews the candidates and make a decision. This year, the award went to former club adviser and lecturer Lee McFarland.

"I think it is quite an honor," McFarland said of being chosen out of 14 nominated faculty members.

Another leader recognized was Society of Women Engineers' president Lesley Telford.

She was named the collegiate emerging leader for the region, which includes Southern California, Southern Nevada, Utah, New Mexico and Arizona.

Telford really didn't become interested in science until she watched the Crime Scene Investigation shows and wanted to be a forensic scientist. After she took biology, she decided she wanted to do more than just research.

"Being president of Society of Women Engineers has allowed me to make contacts in the industry and meet people in companies that I would eventually like to work in," Telford said.

"I think it is quite an honor," McFarland said of being chosen out of 14 nominated faculty members.

Another leader recognized was Society of Women Engineers' president Lesley Telford.

She was named the collegiate emerging leader for the region, which includes Southern California, Southern Nevada, Utah, New Mexico and Arizona.

Telford really didn't become interested in science until she watched the Crime Scene Investigation shows and wanted to be a forensic scientist. After she took biology, she decided she wanted to do more than just research.

"Being president of Society of Women Engineers has allowed me to make contacts in the industry and meet people in companies that I would eventually like to work in," Telford said.
Government report shows health costs still soaring at record pace

Noam N. Levey
THE WASHINGTON POST

WASHINGTON — In a stark reminder of growing costs, the government estimated Thursday that health care consumed a record 17.3 percent of all spending in the U.S. economy last year — roughly $2.5 trillion.

This was the single largest one-year jump in health care spending as a share of the nation’s gross domestic product since the government started keeping those records a half century ago.

And as soon as next year, more than half the nation’s total health-care tab may fall to the government for the first time, according to an annual report by independent agencies at the federal centers for Medicare and Medicaid Services, or CMS.

The rise in current costs, driven in part by surging spending in the government Medicare and Medicaid programs and the bleak projections for the future, did not take into account changes that may come if Democrats succeed in reviving their health overhaul legislation.

The report, while issued by a nonpartisan accounting agency, appears likely to fuel further debate about the health bills now stalled in Congress.

And as soon as next year, more than half the nation’s total health-care tab may fall to the government for the first time, according to an annual report by independent agencies at the federal centers for Medicare and Medicaid Services, or CMS.

The rise in current costs, driven in part by surging spending in the government Medicare and Medicaid programs and the bleak projections for the future, did not take into account changes that may come if Democrats succeed in reviving their health overhaul legislation.

The report, while issued by a nonpartisan accounting agency, appears likely to fuel further debate about the health bills now stalled in Congress.

And as soon as next year, more than half the nation’s total health-care tab may fall to the government for the first time, according to an annual report by independent agencies at the federal centers for Medicare and Medicaid Services, or CMS.

The rise in current costs, driven in part by surging spending in the government Medicare and Medicaid programs and the bleak projections for the future, did not take into account changes that may come if Democrats succeed in reviving their health overhaul legislation.

The report, while issued by a nonpartisan accounting agency, appears likely to fuel further debate about the health bills now stalled in Congress.

And as soon as next year, more than half the nation’s total health-care tab may fall to the government for the first time, according to an annual report by independent agencies at the federal centers for Medicare and Medicaid Services, or CMS.

The rise in current costs, driven in part by surging spending in the government Medicare and Medicaid programs and the bleak projections for the future, did not take into account changes that may come if Democrats succeed in reviving their health overhaul legislation.

The report, while issued by a nonpartisan accounting agency, appears likely to fuel further debate about the health bills now stalled in Congress.
DEFENSE Firms Stand to Lose if NASA Budget Shrinks

W.J. Hemmigan
LOS ANGELES — Big defense firms are reeling from President Barack Obama's call to reshape NASA and scrap plans for sending humans back to the moon, an ambitious endeavor that would have meant billions of dollars in spending to develop new rockets and spacecraft.

The potentially seismic shift for the aerospace industry was announced Monday, the seventh anniversary of the loss of the space shuttle Columbia, and came as defense companies were bracing for a pullback in the Pentagon's spending on weapons.

But NASA's new direction could be a boon to private space entrepreneurs, who have thus far been funding their ventures mostly on their own dime. If the plan makes it through Congress — a big "if" at that — funding for spacecraft development could shift dramatically from entrenched defense firms to privately funded startups.

"Obviously, we're disappointed at the direction the administration seems to be taking," said Randy Belote, spokesman for Northrop Grumman Corp., which is currently working on the lunar lander for NASA's next moon mission. "If the budget does go through, this will be a whole different ballgame. And we're going to have to look at our options very closely before we go forward.

The shift may already be underway. This week, NASA awarded $50 million in research funds to five private companies to design prototypes for a vehicle that could carry crew to the International Space Station. They would replace the space shuttle, which is scheduled to stop operating this year.

"The president has asked NASA to partner with the aerospace industry in a fundamentally new way, making commercially provided services the primary mode of transportation to the International Space Station," NASA Administrator Charles Bolden said as he unveiled the space agency's spending plans Monday.

The new direction would also bring an end to NASA's 5-year-old Constellation program to put astronauts back on the moon by 2020. Under the program, NASA is working on developing a new rocket, the Ares 1, a crew capsule and a lunar lander, similar to the Apollo program.

But canceling Constellation is not expected to be easy.

The government has already poured $9 billion into the program, which has created thousands of jobs in about 40 states — and that's not including the hundreds of small business suppliers across the country.

"When the president says that he's going to cancel Constellation, I can tell you that to muster the votes and to overcome that, it's going to be very, very difficult," said Sen. Bill Nelson, D-Fla., whose state is expected to lose 7,000 jobs when the space shuttle program is mothballed.

Obama's plans for the space agency also call for restructuring the way big contracts are awarded. Typically, multibillion-dollar projects such as Constellation have been awarded to a major aerospace firm, which in turn Doyle subcontracts work to subcontractors.

"It looks like those days are history," said Edmund G. Meini, a Boeing Co. spokesman. "There's going to be a change in procurement. Change is always difficult, but if that's the way it is, then we'll find a way to adapt."

Boeing recently got $18 million in seed money to develop new crew transport vehicles. It received another $6.7 million for technology development for its joint rocket venture with Lockheed Martin Corp.

But the contracts are a far cry from the awards it got in the past. In 2007, Boeing won an $860 million contract to develop the avionics for the Ares I rocket. The contract, which has meant 400 jobs, is now in jeopardy under the new budget plan.

Cal Poly wants to know YOUR thoughts about YOUR university

WASC Reaccreditation Open Forum

Feb 11 • 11 am • Univ Union

Why attend?
Accreditation affects the value of your degree and funding and financial aid.

DON'T MISS OUT!

It's YOUR future. Let YOUR school know what you think.

www.wasc.calpoly.edu

SHEOUT OUT! SPEAK OUT!

Cal Poly wants to know YOUR thoughts about YOUR university
Obama moves to boost biofuel use

Jim Tankersley

WASHINGTON — The Obama administration gave a boost to the corn and coal industries on Wednesday, announcing a revamped strategy to fight climate change that says traditional sources of energy are going to continue to be cleaner and more efficient.

"It's important for us to understand that in order for us to move forward with a robust energy policy," Obama said, "we've got to have not an either/or philosophy but a both/and philosophy — a philosophy that says traditional sources of energy are going to continue to be important for a while, so we've got to just use technologies to make them cleaner and more efficient."

Most notably, the Environmental Protection Agency made final a regulation that could give corn ethanol a much larger share of the renewable fuel market mandated by Congress in 2007. An earlier controversial calculation — since reworked by EPA scientists — that would have minimized corn ethanol's role because of concerns about the fuel's overall pollution-fighting credentials.

The administration said the EPA rule alone would lead to a $41.5 billion reduction in oil imports and take the equivalent of 27 million vehicles off the road.

Administration officials also announced a revamped strategy to put the nation on track to meet the congressional mandate of 36 billion gallons of biofuel by 2022, in hopes of fixing a government effort that officials acknowledge has fallen short in its attempts to wean cars and trucks away from fossil fuels and move toward ethanol, biodiesel and other crop-based fuels.

The nation currently produces about 12 billion gallons, mostly from corn ethanol, and the federal government projects the country will not meet the 2022 goal.

And Obama issued a presidential memorandum to speed the development of technologies that capture and store the carbon dioxide emissions from coal plants, with a goal of bringing five to 10 in the next five years. The step, he said, "will greatly reduce carbon pollution from power plants, while allowing the coal industry to continue to provide affordable energy for American families and businesses."
WORD ON THE STREET

"Do you plan to watch the Super Bowl? Who are you rooting for?"

"I have to work so I won't be watching."
-Hyle West, kinesiology freshman

"Yes, I want the Saints to win because they went a long time this season undefeated. I'd rather the underdog win."
-Daniel Margarite, biological sciences freshman

"Yes, I'll watch at a party. I want the Colts to win because Peyton Manning is the man."
-Carolyn White, business administration junior

"Yes, I'll probably party hop. I want the Saints because I think it will be good for New Orleans' economy."
-Kaylee Tersini, agricultural communication senior

"Yes, I have to work at The Shack. I want the Saints because of Drew Brees he's an awesome quarterback and used to play for the Chargers."
-Stefanie White, business administration junior

---

Attention R.A.'s

Want to have an amazing summer working with kids and utilizing many of the same skills that you have as an R.A? Camp Wayne for Girls is looking for counselors for our summer camp in Northeastern PA from 6/19-8/15.

Call 215.994.3069 or apply online at www.campwaynegirls.com

---

Free Income Tax Assistance
FOR TAXPAYERS WITH GROSS INCOME UNDER $50,000

Call 2-1-1

All returns prepared by qualified community volunteers and reviewed by IRS certified tax preparers.

Weekday, Evening, and Saturday Tax Assistance Available.

Call for an appointment or more information. Se habla Español.

---

Camp Wayne For Girls!
Attention R.A’s
Select The Camp That Selects The Best Staff!

Call 215.994.3069 or apply online at www.campwaynegirls.com

---

Biofuel continued from page 3

ethanol boosters, who have lobbied heavily for an expanded corn role under the EPA’s Renewable Fuel Standard.

Under a draft of the regulation released last year, EPA scientists determined that corn ethanol produced too many greenhouse gas emissions to qualify as a renewable fuel, effectively limiting the fuel’s role to a baseline level mandated by Congress.

The finding was controversial because it included a scientifically debated calculation of the “indirect” land-use effects of corn ethanol production — the idea that growing corn for fuel domestically could spur farmers overseas to cut down trees and plant crops such as soybeans.

EPA scientists revised their calculations for the final regulation to include new information on crop productivity and a more global view of indirect land use effects, and they concluded corn ethanol produced in the most energy-efficient manner would in fact meet the emissions standard, EPA Administrator Lisa P. Jackson said.

“We weren’t trying to appease any particular industry or reach any particular outcome,” she said, adding: “Based on what we know now, there is no basis to exclude these fuels.”

Some environmental groups praised the EPA for continuing to factor indirect land-use into the calculation, despite pressure to exclude it.

---

**MEAT SCIENCE**
MEAT PRODUCED BY CAL POLY STUDENTS
FRESH MEAT CASE STOCKED WEEKLY

- New York & Flat Iron Steak
- Gourmet Brats & Sausages
- Beef Jerky
- Cal Poly Raised Chicken
- USDA Choice Beef and Lamb
- Ham & Bacon

**MEAT CASE**

Building 24-107H
Cal Poly Meats Lab
805.756.2114

On campus between
Campus Market and Highland Dr.
Ask about parking reimbursement

Bring in this advertisement for 10% Off Chicken and Pork.
Regulators, legislators turn scrutiny to vehicles outside Toyota recalls

**Iran launches rocket with several animals onboard**

Borouz Daragahi  
**Los Angeles Times**

BEIRUT — Iran announced that it fired a powerful rocket loaded with several live animals into space and unveiled a handful of other space technologies coincided with the 30th anniversary of the Islamic Revolution. However, the increased scrutiny comes as Toyota's stock plunged after Transportation Secretary Ray LaHood, in a congressional hearing, appeared to warn owners not to drive recalled vehicles. LaHood later said he misspoke. He meant to caution people to avoid operating vehicles that have exhibited a rough or sticky gas pedal and recommended that owners get their cars fixed quickly.

The chairman of a congressional committee that plans a hearing on the recall next week sent a letter to Toyota Wednesday asking whether it was safe to drive recalled models and whether the sudden acceleration problems affected other Toyota vehicles.

Rep. Edolphus Towns, D-N.Y., chairman of the House Oversight and Government Reform Committee, asked about similar problems in the Tacoma truck. He said the National Highway Traffic Safety Administration has received more than 100 complaints about sudden acceleration in the Toyota Tacoma, which does not have the same accelerator pedal assembly as the recalled models.

The Los Angeles Times reported on Nov. 29 that the average number of sudden acceleration complaints involving the Tacoma increased dramatically after Toyota introduced electronic throttles on the truck in 2005. Towns also cited some complaints in which faulty floor mats, which sparked a Toyota recall last year, did not appear to be the cause.

“Would what explain episodes such as this, where drivers are experiencing an uncontrollable acceleration and, reportedly, no floor mats are present in the vehicle (or they reported the floor mat was not involved),” Towns wrote.

Toyota said last year that it will install a brake override in vehicles it has recalled to prevent the risk of floor mats entrapping the gas pedal. Towns asked whether Toyota was considering installing override on all its vehicles.

Rep. John D. Dingell, D-Mich., asked Toyota why the automobile’s recall announcements came “at least two years” after it had learned of sudden acceleration problems.

He also asked about a Nov. 8 Los Angeles Times article reporting that Toyota “did not disgorge” all of the complaints about sudden acceleration problems it knew of when the data was requested by the National Highway Traffic Safety Administration.

LaHood said that the NHTSA will continue to hold Toyota’s feet to the fire to make sure that they are doing everything they have promised to make their vehicles safe. “We will continue to investigate all possible cases of these safety issues.”

LaHood said he intended to speak directly with Toyota President Akio Toyoda “very soon” to make sure the company gets the message from the U.S. government that the company needs to take aggressive action to resolve the sudden acceleration problem.

“This is serious. This is very serious,” LaHood said. Toyota is doing everything they have promised to make their vehicles safe. “We will continue to hold Toyota’s feet to the fire to make sure that they are doing everything they have promised to make their vehicles safe. “We will continue to investigate all possible cases of these safety issues.”

LaHood said he intended to speak directly with Toyota President Akio Toyoda “very soon” to make sure the company gets the message from the U.S. government that the company needs to take aggressive action to resolve the sudden acceleration problem.

“Iron is serious. This is very seri­ous,” LaHood said. Toyota is doing ev­erything now to correct the problem, he added, “but we’re going to keep the pressure on them.”

Voted Best Jewelry Store in SLO!  
LIQUIDATION SALE!  
50% to 70% OFF Storewide  
Everything Must Go!!

**-Final Two Weeks-**

**Largest Selection of Jewelry!**

- Sterling Silver
- Semi-Precious Stones
- Swarovski Crystals
- Fashion Jewelry
- Quality Body Jewelry
- Painted/Enamels

**Largest Selection of**

- Handbags/Purses
- L.D. Cases & Wallets
- Furnishings
- Fine Accesories
- Perfect Valentine Gifts
- Candles/Vases

Charmz  
Large Selection. Great Prices. Exceptional Service

Free professional ear piercing with purchase of earrings!!!

^Free Gift with this AD!

7338 Higuera Street  
Next to Bubble Gum Alley  
Downtown SLO - Phone 544-0106

Come Try  
Our Pizza, Salads, Calzones and our famous solo stix!

Open  
Mon-Wed 11:00am-9:00pm  
Thurs-Sun 11:00am-10:00pm

805-544-8786  
891 Higuera St.
SLO Mission plays host to various music groups

Aimee Vasquez
MUSTANG DAILY

The sounds of strings and wind quarters will fill the halls of the Mission San Luis Obispo de Tolosa Saturday night, reverberating off pews and adobe walls with music written not only for places like this, but in the same era as well.

Cal Poly Music Ensembles’ annual benefit concert, Night at the Mission, will be held at 8 p.m. Saturday. The hall, built to carry sound long before the advent of electronics, is one of the top locations to experience chamber music in the state.

Music minor and senior aerospace engineer Rebecca Henning has played clarinet in the concert for the last three years and said the mission really adds to the experience.

“It’s a beautiful location,” Henning said. “The acoustics there are incredible. It’s just a warm sound, and beautiful atmosphere to be listening to music in. And if people are looking for a more low-key concert, it’s a great performance.”

While this performance may be low key, the concert will help the wind ensemble perform in a world-renowned concert hall. In June. The 60-member group was chosen to be the showcase concert ensemble at the 2010 Los Angeles International Music Festival in Walt Disney Concert Hall, home of the Los Angeles Philharmonic Orchestra. The festival features college and high school bands from around the world.

Every year, Night at the Mission raises money for Cal Poly Music Ensembles to perform in world-class settings such as Karlskirche Cathedral in Vienna, Smetana Hall in Prague and Carnegie Hall in New York City.

Tuba section leader Gary Phister played with the ensemble at their 2003 Carnegie Hall debut, and will be playing at the Walt Disney Concert Hall as well.

“There are a few great concert halls in the world,” Phister said. “Carnegie Hall is among them, and now the Walt Disney Hall as well.”

He compared playing at one of these halls, where so many great musicians have gone before, to an architect getting to show their drawings to Frank Lloyd Wright, or a sports team making it to the world series.

“There’s a reason these halls are lauded as world-famous,” Phister said. “It’s exciting to go there as an audience member to listen to some great ensemble, but to be able to perform there as a student is exceptional!”

In fact, Night at the Mission started with a Carnegie Hall performance. Cal Poly’s chamber orchestra was scheduled to play at Carnegie Hall, but lacked the funding to get there. The music department’s main performing hall was booked, so they played with smaller ensembles at the mission instead.

The combination of the music and the mission was so well-received by the community that the ensembles have held the event there ever since.

One of the reasons the concert became popular is that the construction of the mission affects the tone quality of the music itself. William Johnson, professor of music at Cal Poly since 1966, is the conductor of the wind orchestra and wind ensembles, some of which will be performing Saturday.

“Much of that music was written, not necessarily for that building, but for buildings just like it,” Johnson said. “To have that 18th century experience is just wonderful,” Johnson said.

The combination of the music and the mission was so well-received by the community that the ensembles have held the event there ever since.

One of the reasons the concert became popular is that the construction of the mission affects the tone quality of the music itself. William Johnson, professor of music at Cal Poly since 1966, is the conductor of the wind orchestra and wind ensembles, some of which will be performing Saturday.

“Much of that music was written, not necessarily for that building, but for buildings just like it,” Johnson said. “To have that 18th century experience is just wonderful,” Johnson said.

Unlike many modern performing halls, the mission was built to project sound before the invention of speakers and microphones. The construction of the wooden altar, the angles of the walls and even the height of the platform contribute to the overall sound experience.

Graphic communication instructor Brian Lawler has performed and recorded choral work see Music, page 11

AIMEE VASQUEZ MUSTANG DAILY

Music junior Lauren Wasynezuk will play soprano saxophone in an all-saxophone adaptation of Samuel Barber’s “Adagio for Strings.”

Schedule of Events:
Mon 2/8: Kickoff BBQ at Chumash Auditorium 5 P.M.
Tues 2/9: Trapshoof 5 P.M.
Wed 2/10: Mini-burger Challenge at Franks 8 P.M.
Thurs 2/11: Bowling at Mustang Lanes 7 P.M.
Fri 2/12: Softball 7 P.M.
Sat 2/13: BBQ and Horseshoe Tournament 1 P.M.
Sun 2/14: Smoker Slideshow 6 P.M.

AIMEE VASQUEZ MUSTANG DAILY

Music junior Lauren Wasynezuk will play soprano saxophone in an all-saxophone adaptation of Samuel Barber’s “Adagio for Strings.”

Unlike many modern performing halls, the mission was built to project sound before the invention of speakers and microphones. The construction of the wooden altar, the angles of the walls and even the height of the platform contribute to the overall sound experience.

Graphic communication instructor Brian Lawler has performed and recorded choral work see Music, page 11

AIMEE VASQUEZ MUSTANG DAILY

Music junior Lauren Wasynezuk will play soprano saxophone in an all-saxophone adaptation of Samuel Barber’s “Adagio for Strings.”

Unlike many modern performing halls, the mission was built to project sound before the invention of speakers and microphones. The construction of the wooden altar, the angles of the walls and even the height of the platform contribute to the overall sound experience.

Graphic communication instructor Brian Lawler has performed and recorded choral work see Music, page 11

AIMEE VASQUEZ MUSTANG DAILY

Music junior Lauren Wasynezuk will play soprano saxophone in an all-saxophone adaptation of Samuel Barber’s “Adagio for Strings.”

Unlike many modern performing halls, the mission was built to project sound before the invention of speakers and microphones. The construction of the wooden altar, the angles of the walls and even the height of the platform contribute to the overall sound experience.

Graphic communication instructor Brian Lawler has performed and recorded choral work see Music, page 11

AIMEE VASQUEZ MUSTANG DAILY

Music junior Lauren Wasynezuk will play soprano saxophone in an all-saxophone adaptation of Samuel Barber’s “Adagio for Strings.”

Unlike many modern performing halls, the mission was built to project sound before the invention of speakers and microphones. The construction of the wooden altar, the angles of the walls and even the height of the platform contribute to the overall sound experience.

Graphic communication instructor Brian Lawler has performed and recorded choral work see Music, page 11

AIMEE VASQUEZ MUSTANG DAILY

Music junior Lauren Wasynezuk will play soprano saxophone in an all-saxophone adaptation of Samuel Barber’s “Adagio for Strings.”

Unlike many modern performing halls, the mission was built to project sound before the invention of speakers and microphones. The construction of the wooden altar, the angles of the walls and even the height of the platform contribute to the overall sound experience.

Graphic communication instructor Brian Lawler has performed and recorded choral work see Music, page 11
Journal to feature works on "campus controversies"

"Moebius" is an annual journal published by the College of Liberal Arts where student, faculty and staff can submit pieces of writing.

Mikaela Akuna
MSCUTANG DAILY

A journal backed by the College of Liberal Arts at Cal Poly is currently accepting piece submissions to potentially be published in its 2010 issue. "Moebius" is an annual publication that aims to feature the works of students, staff and faculty that pertain to the theme of the year.

This year's theme, "Campus Controversies," is intended to get into the nitty-gritty viewpoints of a variety of people.

Helen Knight is a former member of the submissions board for "Moebius" and also graduated last quarter from Cal Poly with a major in English.

"When we were selecting the theme for this year it was right after the crops house incident and the furloughs and diversity. Alongside these broader issues might be topics like the Michael Pollan presentation, hazing and suicide."

Jnan Blau is a communication studies professor and the managing editor of "Moebius" this year. He said that although the journal is run through the College of Liberal Arts, it is not exclusive to only disciplines within the college.

"We're interested in a variety of points of view," Blau said. "It can be taken in any way (the author) can think of whether abstract, historically or what's happening now."

Just as the journal seeks to have a broad spectrum of outlooks pertaining to the theme, it also provides an assortment of ways to express those thoughts.

The journal features a variety of writing styles, including essays, articles and poetry. Many of these works are submitted by faculty and students predominantly from the College of Liberal Arts. All the same, Blau said that good candidates for publication are pieces that are well written and bring something to the table that is interesting, no matter who it's written by.

"If we find something we like, we do work with authors if it's slightly falling short in some aspect," he said. "We look at the usefulness (of a piece) regardless of our own opinions if it's enticing we'll publish it."

There is an "Interviews" section where members of the editorial board write profiles on interesting people that have some sort of tie to the theme. Sometimes, the interviewees are even some of the authors featured in another part of the journal.

Some editions include a "Reviews" section that originally focused on book reviews. This year however, the plan is to expand this to include reviews of all sorts — movies, books, music etc.

"As difficulty, they more encourage professors to work with "Moebius" this year by either trying to negotiate pieces for submission into their curriculum or by admiring their own works."

"As faculty, they more than likely speak and write well. We see Moebius," page 11

New club steps to the music

The members of Driven Toward Sisterhood get ready to perform their military structure dance at Tuesday's Soup and Substance.

Raquel Redding
MSCUTANG DAILY

A demonstration of the dance stepping was held in celebration of Black History Month for February's Soup and Substance held in the University Union.

The new club, Driven Toward Sisterhood, led the demonstration and lecture of the history of stepping, Student coordinator of Black History Month and member of Driven Toward Sisterhood, Shaunna Kimball said that stepping is a form of dance that involves using the body as an instrument to tell a story.

"Stepping is creating music with your body," Kimball said. "There is a mixture of footsteps, spoken word and hand-claps that make up the sound."

"Soup and Substance Coordinator Michelle Fox said she had never been to a live show for Soup and Substance."

"Soup and Substance is typically a lecture series about something relevant going on in the world."

Fox said. After letting the crowd get their soup, Driven Toward Sisterhood started the performance by railing up the crowd and yelling, "Are you guys ready?" With a little introductory dance to show the large crowd what stepping was, Driven Toward Sisterhood then went on to explain the dance's origins.

"(It's) a mixture of African dancing, military structure and African gum boot," Sisterhood member Kando Ogunrnda said to the crowd.

Brittany Usher said that singing and dancing was a way for slaves to communicate, as well as a way to celebrate, praise and recite history. When slaveholders found out that communication was taking place through the dancing and singing, they banned them. Thus, stepping was created.

After an African praise dance, the Sisterhood went on to explain how stepping was also formed from military structure.

Devon Buddhan, a member... see Step, page 10

Be on time to class...

the Gold Concept
will change your watch battery

Normally $7 
mention this ad and get $2 off

740 Higuera St • San Luis Obispo, California • (805) 544-1088

RAIN BOOTS 20% OFF
W/STUDENT ID

Crazy Jays
767 Higuera Street • Downtown SLO
Engineering Co-Op Position

MUSTANG DAILY ARTS

www.mustangdaily.net

Beer Column

Stone Brew packs a powerful punch

Well hey howdy, Cal Poly. Welcome one and all to the fifth installment of “Beer Me?” Today is a very special edition, in which I will be tasting several different beers and conveying my experience, through writing, to you! I know — I can’t wait either!

Well, while drinking, we all have some things we like to do. Some of us like to dance, some of us like to drink, some of us like to dance on coffee tables until they break. But sometimes, and I mean pretty rarely, I just want to get a Stone! That’s right, sometimes when I want to have a cigarette, some of us like to eat, some of us

Stone Brew packs a powerful punch times when I want to have a drink. But sometimes, and I

dido. Cia. Tonight I

located in Hscon-

of course, the Arrogant

Smoked Porter, IPA and Stout has been slightly less happy.

simply, I thought it might inhibit the
cal coffee-chocolate-smoky flavor of homework. My wallet would also
gastard Ale to my tasting set. (fuite

Its smoky aftertaste, this aspect is not
d pools while the coffee flavor

ter and this is not your style of beer,

is definitely one I would run out

good feeling for the aroma I
can describe it

unlike chocolate and a

takes over the first sip.

A light chocolate flavor then makes its appearance, leaving a sweet

sensation in the porter is swallowed. The Smoked Porter’s 53 International Bitterness Units (IBUs) is balanced

the smoked and chocolate malts. If you’re a fan of the porter, this
despite those who like to eat, some of us

smokiness mixed in with the flavor.

You feel powerful. It is an attempt to

hit a kid crossing the street, that child has

of pizza. Next time you order a pizza

taste of a pizza sauce, and depending on

specifically drive yourself intoxicated and
take the life of another. If you hit a

kid crossing the street, that child has

driving by you, that person may have

within the flavor. As with the IPA, there’s a floral

aroma (as my nose begins to

bitter at first, but take a few drinks to

hoppiness — you are sure to enjoy it.

as a stand-alone beer, this ale’s

definitely complimentary to the brewery’s

name, please do so responsibly.

To say that the life of another is

in your hands is not an attempt to

make you feel powerful. It is an attempt to

make you realize the fragility of life.

Without a conscious thought, you

could decide to drive intoxicated and

take the life of another. If you hit a

kid crossing the street, that child has

parents, grandparents and likely siblings

and cousins. If you hit an adult

driving by you, that person may have

a spouse and children of their own. In

fact, they are somebody’s child, too.

Stay smart and stay safe out there,

Cal Poly. Intoxicate yourself responsibly.

Adam Pachal is a business administration senior and Mustang Daily beer columnist.

Thursday, February 4, 2010

Step continued from page 9

A performance that started out with only two gals mov ing

in perfect unison gradually brought in the rest of the group.

The five girls ended up doing three different dance moves, all

with the same rhythm.

Stepping stems from the Af­

ican jump drum beat. Adonna

Anderson said that African gold

miners would wear Wellington

boots to work in the flooded

mines, which they would stomp
to communicate. Stomping is a big part of stepping, and some

fraternities and sororities wear

tap shoes or high-heels to get a louder sound from a stomp.

“Stepping became big in the 70s because of the Divine Nine,”

Kimball said. “The Divine Nine are the nine frater­
nities and sororities that made stepping main­
in.”

With stepping appearing in movies such as “Stomp the Yard,”

which was presented for last year’s Black History Month, the
dance form has become main­
in.

“We’re hosting a step show

April 23 that will have some fra­
ter­
nities and sororities from Los

Angeles to San Francisco com­

e and show what stepping really

means,” Anderson said.

Until then, Driven Toward Sisterhood will be having an open workshop Feb. 16 dem­

onstrating how to step in Ten­

naya Hall at 8 p.m.

The performance ended

amid applause and Fox said that

she was happy with the turnout

and that it went really well.

This performance raised the bar on Soup and Substance. We’ll have to keep it up,” she

said.
Best actress nominees come from various acting backgrounds

Chris Lee
LOS ANGELES TIMES

In what is certain to be one of this year's most closely watched and diges-tively debated Oscar battles, the lead actress category is shaping up as a fight between gossamer youth and lead actress category is shipping up 64-year-old co-star of the Tolstoy biopic "The Last Station." is no dark horse who now stands a solid chance at late-inning Oscar re-demption after racking up Golden Globe and Screen Actors Guild Award wins. That is first-time Academy Award-nominee Sandra Bullock, long one of the A-list's most populist actresses. She plays an iron-willed evangelical Christian woman who takes an African American football player into her family in the surprise box-office smash "The Blind Side." On Tuesday morning, Bullock registered her nomination Tuesday for her her acting role in the film "Precious." was delighted to be on the Oscar ballot but denied ever having harbored award-season ambitions. "If you look at my choices, I would have made drastically different choices (in my career), if that's what I was going for," she said. "I never aspired to this path." For her part, Mulligan reg­istered her nomination Tuesday with unmitigated shock — as well as some awe at being classed with Streep and Mirren. "It feels like there should be separate categories for those people and they should get a double Oscar or something," Mulligan gushed. "It's so mad, because they're light-years away — honestly, they're people I've looked up to forever and ever, true idols of mine. I go bright red in the face and mumble every time I see them." (Los Angeles Times staff writer Rachel Almario contributed to this report.)

Music
continued from page 9
in the mission for over 25 years. "The mission fathers built it to be acoustically live," Lawler said.
Although Lawler said the mission has lost some of its live sound potential over the course of decades of restorations and the addition of a second wing, "it's still a really cool place to perform and the concert Saturday should be breath-taking," he said.
The concert will include both traditional and contemporary music, played by Cal Poly's wind quintets, string quintet, saxophone quartet, trombone choir and other small chamber groups. Music sophomore Gurrevee Deol, who played at Night at the Mission last year, explained the concept of a chamber group.
"A chamber ensemble is more inti­mate than other ensembles," Deol said. "It's a small group of people and you really play off each other a lot."
The combination of all-trum­bone or all-saxophone ensembles creates an unusual effect. For example, Johnson said the saxophone quartet sounds like harmonizing singers.
"Saxophone is so close to the human voice — and the trombone's sound just like a men's choir," he said.
They will close with an all­brass version of Bach's "Fantasia in G major," which in the mission will sound like a huge pipe organ," Johnson said.

There will be fresh-baked goods and hot chocolate for sale during the intermission. Tickets are $8 for children, students and seniors and $10 for adults. They can be purchased at the door, in advance at the Performing Arts Center, or by phone at 805-756-2787. For more information about the concert, contact the Cal Poly music department.

"Moebius"
continued from page 9
want to encourage more of them to participate in the journal this year and get involved," Blau said.
As well as working with professors, "Moebius" also works with the student-run agency University Graphic Systems (UGS) to format the journal in its signature style each year: three rectangular pictures, the theme, and a quote chosen by the managing editor, against a white background. Like "National Geographic's" yellow frame, "The New York Times," "Gothic, font, or "Life" magazine's white-on-red title box, having this recognizable layout brings familiarity to readers and makes it more eye-catching.
"The look is consistent even though the concept of 'Moebius' is change," Blau said.
Because "Moebius" is funded by the Internationally Related Activi­ties (IRA) grant, an internal grant from the university, funds are lim­ited, so the journal has had to buy paper. "Almost all of the money is going for paper," she said. "We encourage students to pick up a copy or two if they see one." Blau said it's important to un­derstand the value of these seemingly more abstract skills.
Knight agreed, saying that she hopes the journal will become better-known this year and in the future.
"There's a lot of interesting stuff in there that people aren't aware of. Things that are and aren't related to the topic of 'Moebius.' Some inter­esting articles, editors, ideas, and beautiful photos," she said.
The submission deadline is to­morrow. They can be made on the "Moebius" Web site. The date of distribution has not yet been an­nounced, but it is scheduled to re­lease around the end of the school year in June.

C A L P O L Y C O N S U L T I N G S E R V I C E S

Have you been selected to participate in the Healthy Minds Study?

4,000 randomly selected Cal Poly students will receive an email requesting participation in a national survey on college student mental health.
If selected, please participate and help us better understand your needs!

Any student completing the survey will be entered for over $4,000 in cash and gift certificates!

SHARING IS CARING!

e-mail this story @
www.mustangdaily.net

(Hey, it'll give you something to talk to Mom about.)
Progressive ideas are solutions to challenges, not elements of an ideology

Often, when I watch the news or read the papers, I feel like Bill Murray in Groundhog Day — as if I'm being forced to experience the same tired political rhetoric that has been circling for ever. Oregon Governor Ted Kulongoski said in his 2003 inauguration speech, "I do not come bearing a label on my sleeve — or a quick fix in my back pocket. I do not come with a rigid ideology in my heart — or a soul that tells me to go it alone. I do not come to uproot tradition — or to be imprisoned by it." Though I'm quite sure that Governor Kulongoski did, in fact, walk into the governor's office in 2003 with at least some liberal ideas built into his agenda, his words are truly poignant in light of the state of our present political discourse. Some conservatives argue that liberals are only willing to work with them unless conservatives agree to support their causes. But from the liberal perspective, conservatives are unwilling to bring an open mind to ideas, in order to make compromises on both sides of the political isle and pass bills. Much of this political ennui exists because of the information we're being fed, which tends to create caricatures of the beliefs of each party. Conservatives might be painted as selfish ideologues. Liberals might be painted as radical Marxists out to destroy the moral fabric of this nation. Neither of those caricatures are correct. Just as I have been influenced by Christianity, and sociological and philosophical concepts to form my more progressive ideas (such as the support of social programs, public green health care, market regulation, and Keynesian economics), conservatives form their beliefs using their experiences and knowledge.

While this does mean that conservatives and progressives should not be ranked according to personal morality, it doesn't mean that the views produce good government policies.

First, paying taxes which go toward social programs is not for the tax payer's "betterment." A certain percentage of his tax dollars go toward food stamps for people who can't afford food, and who don't have a job due to the recession. His tax dollars do not help him, the tax payer. They help the 38 million Americans on food stamps. Second, paying taxes is not a punishment. It's a duty owed to our country. It's a matter of giving back to the government so it can function properly. Also, many people who are receiving food stamps and other social services are in that situation not because of bad judgment, but because they can't find a job due to the recession. Liberals do not necessarily advocate for social programs, market regulation, public option health care, or raising corporate taxes (as Oregon did this week). In fact, being progressive is not about ideology. We simply see problems such as poverty, corporate corruption and thousands of deaths due to a lack of health insurance, and we know of no other logical, viable solutions.

Stephanie England is an English senior and Mustang Daily political columnist.
It's possible to be a conscious coffee addict

From early-morning truck stops to strong-brewed Italian to four-back frappé-creations, people all over the world enjoy a cup of the comforting adenalin rush. There is an ongoing discussion in the health world over the effects of caffeine on everything from bone health to mental well-being. The end result is that the American culture is full of coffee-myths. The world has been steeped in coffee since, as legend has it, the first hypro goats ate coffee berries in the highlands of ninth-century Ethiopia. An observant Goatherd reported his animals' strange behavior to an abbot at the local monastery, who then brewed the berries and discovered that their wakeful properties helped him with his long evening prayers. The beverage trickled across the strait from Ethiopia to Arabia over the next few centuries. By the 16th century, the beverage was known throughout the Middle East. The Ottoman sultans in Istanbul imported a particularly sweet, rich coffee named after its most prevalent port, Mocha. By the 17th century, coffee had made its way to the western continents. Even back then, coffee had its share of critics. In Italy, clergymen condemned the mind-altering drink as evil, and the controversy escalated until Pope Clement VIII tasted coffee and approved it.

Today's cultural nay-saying, however, is more often based on health concerns than religion. One of the more common claims is that drinking coffee stunts your growth, based on the theory that coffee causes osteoporosis. Today's studies show that a high intake of caffeine, more than 300 milligrams a day, may lead to calcium loss, but the effect is so minor, that it can be offset by adding 1 to 2 tablespoons of milk to each cup. In addition, many of the early studies were done on populations who were replacing milk with soda or coffee, so that their higher intake of osteoporosis was due to a lack of calcium, rather than the effect of caffeine.

Another myth is that coffee causes dehydration. Numerous studies show that while caffeine increases the immediate urge to urinate, a few cups of coffee a day will not markedly affect overall hydration levels. According to a study described in Nursing Standard, dehydration only becomes a factor if you drink more than five strong cups of coffee a day. According to an article in the Harvard Health School Publications, the famed after-coffee crash is best avoided by consuming two to three ounces of coffee every hour or so, rather than drinking 16 ounces at once. This is particularly effective when functioning on less than optimal sleep.

Caffeine, as many people know, is considered to be mildly addictive. Yet studies show that, while withdrawal effects, such as headache, irritability, difficulty concentrating and fatigue do occur, the symptoms lessen within a few days. The American Medical Association Council on Scientific Affairs states that three, eight-ounce cups of coffee a day is a moderate amount, while 10, eight-ounce cups of coffee a day is considered excessive.

As a caveat, people with high blood pressure should limit their coffee to less than two cups a day, if any, and pregnant women might want to avoid the beverage until studies are conclusive. But the rest of you might want to up your intake. Recent studies have linked the benefits of the beverage to long-term brain health, increased sports performance, heightened pain tolerance, a reduced risk of heart attack and stroke and possibly a decreased risk of liver cancer.

An article in the Harvard Women's Health Watch states that the risk for type-2 diabetes is lower among regular coffee drinkers. There are ongoing studies that link the regular use of coffee to a smaller risk of dementia, Alzheimer's and Parkinson's disease. In addition, a Kaiser Permanente study found that coffee drinkers were less likely to commit suicide, possibly because caffeine increases the brain's production of dopamine.

Order that vent with pride, and enjoy. It's culture and utility coexisting in a cup.
Help Wanted

Nanny/Tutor Needed
Need a Nanny/Tutor Mon-Fri from 2:30-5:00 pm in Arroyo Grande home. Needs Experience in childcare and be active, fun and creative. References needed. Call Andrea 712-5679.

Graphic Designer Needed
Photography capability a plus, needed for new book project. Call: 544-6007.

The Mustang Daily is looking for a Business Manager for 2010-2011 school year, full-time. Responsibilities include the coordination and management of National Advertising Agencies, maintaining runsheets, billing, newspaper filing and office organization. If interested, please email resume and cover letter to Advertising Coordinator, Stephanie Murawski at smurawski@calpoly.edu.

Part-Time Writing Assistant
Disabled Marine Corps Vet in his 80’s needs part-time writer to produce quarterly newsletter & blog. Email scott@uicidebyproxy: printer, to work 2 hrs/ day 5 days/ wk. Interested? Contact Bob Dieck, 565-7670 & I will show you the research, writing, designing & printing work we will be doing to reach our goals.

Roommate
Male sophomore looking for roommate in downtown condo $400/Month. Water & Trash Paid. Call: (650) 399-6973.

For Rent
Studio in Los Osos, Cable & Utilities included
(805)523-6199 Cathy Jensen

For Rent
Want to live Downtown?
1 bdrm in a 2 bdrm apartment is available this upcoming Spring Quarter.
Located on Santa Barbara St. near Gus’s Deli and Hubson Park.
Reasonable price and amenities included.
If interested, contact Ken at kama27@email.com

Apartment For Rent: Awesome 1 Bedroom Unit Near Pismo Beach Area. Available Feb 1st.
(805) 674-3164.

Large Studio For Rent
Utilities/ Direc TV/ internet included, Walk to Cal Poly or downtown, $750 (619)

Announcements
If you are interested in law and want to help bring justice for the citizens of San Luis Obispo, come volunteer at Law Line SLO, a Pro Bono lawyer referral service. Through this program, money bears no price on justice for the people in need!! Contact Ken Mangalam @ lawlinesd@gmail.com for info.

Laptop Repair
www.laptoprepair.com
Student Discount
Fast Turnaround
(818) 973-1066

2010 Ali Landwher Creative writing contest! cash prizes! For rules e-mail: byzantiummediators2010@gmail.com.

Help Wanted

STAYING IN TOWN THIS SUMMER & LOOKING FOR A GREAT JOB ON CAMPUS?
Conference and Event Planning is hiring 10-20 staff for summer conference season. Paid training begins in May. Seeking hardworking, responsible and positive individuals who enjoy working in a fun, fast-paced team setting! Customer service and cashier experience preferred. Optional on campus summer housing at highly reduced rate. Flexible hours. PT/FT available. $8.00-$10.00/hr. Great internship opportunity.

Applications and job descriptions available in Bldg 704G (Cerro Vista Apt Admin. Bldg) M-F 8:30 am-4:30 pm or on Mustang Jobs online. Completed Applications and resume due by 2/17/10. Call (805) 756-7600 for detailed job description to be emailed to you.
Bowl
continued from page 16
Super Bowl XIII. In what many re-
gard as the best Super Bowl of all
time, it has to be on your top five
list, the Steelers earned Team of the
70s honors with a 33-31 victory over
Dallas.
Terry Bradshaw and Roger
Staubach combined for 546 yards
passing and seven touchdowns.
Cincinnati's knew that figure
would be right if not for the
ill-fated drop in the end zone
by tight end Jackie Smith.

Kiffin
continued from page 16
player DE Ronald Powell out of
Moreno Valley Calif., leaving Mey-
er and Kiffin neck-and-neck in a
delicious turn of fate. Meyer might
have thought he was done with the
signing battle to take over a game Sun-
day night, this one is in the hands
of the two best quarterbacks in the
league.
Unlike so many Super Bowls,
the first quarterback to put 30
points on the board... gets the lead
at halftime.

Joe Flacco and Mark Sanchez?
The Colts have not faced a team
able to throw a variety of receiving
weapons at them since they played
New England in November.
Some would say only a bad
gamble by Bill Belichick allowed
the Colts to win that game, 35-34.
Whatever chance the Colts had
of slowing down Brees has likely
been derailed by the severe ankle
sprain suffered by pass-rushing end
Dwight Freeney. My guess is that
he won't play at all.
Without him, the Colts lack the
pressure that Minnesota was able to
apply to Brees in slowing down the
Saints' attack. I don't think there's
any way New Orleans is as limited
in the Super Bowl as it was in the
NFC title game.
But the Saints also cannot ex-
pect Manning and the Colts backs
to turn the ball over the way Brett
Favre and Adrian Peterson did in
that game. The Saints rely on big
breaks on defense to offset the big
plays they surrender.
In this game, there's no way those
two things are going to match up.
Linebacker Jonathan Vilma al-
ready has conceded the signal-call-
ing battle to Manning.
"He can take the play clock
down to five seconds and decide he
wants to change something," Vilma
said. "I don't have time to switch
things back in four seconds or less.
He'll definitely win that battle."
The Saints also lack a corner-
back with the cover skills of the
Jets' Darrelle Revis. He was able
to neutralize Reggie Wayne in the
AFC title game. But that just al-
lowed Manning to kill the Jets with
Pierre Garcon, Austin Collie and
Dallas Clark.
With no Steel Curtain, no
Doomsday, no Ravens-like defense
on hand to take over a game Sun-
day night, this one is in the hands
of the two best quarterbacks in the
league.
Mustangs look to snap two-game losing streak at Davis

A lot can happen in the span of a week. The Cal Poly men's basketball team entered last week with a head full of steam. They had just gotten off to a better start in the Big West in school history. Dominating wins against UC Riverside and Cal State Northridge translated to a 5-2 record.

...But, in a battle for second place in conference against UC Santa Barbara, the Mustangs fell short by 23 points. With their eyes set on revenge, they traveled back home to square off against a team that had three wins on the season — Cal State Bakersfield. The Mustangs could not complete the deed as a second-half rally fell short, and fell to 8-12 on the season and 5-3 in the Big West.

I really feel like this was the most challenging week we had this season,” head coach Joe Callero said at Monday's press conference.

The Mustangs lost more than just some ground in the standings last week; they got a little banged up in the midst of suffering back-to-back losses. They’re running on a bit of a flat tire.

“We have a lot of sickness; we have a lot of hurt ankles and hurt wrists and hurt ribs and hurt hips,” Callero said.

Battered and bruised, the Mustangs will travel north to square up against in-state rival UC Davis (8-12, 4-4) tonight.

“Unfortunately we are going into probably ... the thickest part of the storm,” Callero said. “The point that we are trying to get through to our team is the opponents don’t really care about our physical status, or mental status.”

The ensuing stretch of games will test Cal Poly’s endurance. Five of its next six games will be away and that means of the next 18 days, 11 of the them are on the road — a place that hasn’t been kind to the Mustangs. They are 3-9 away from home.

To start the season, Cal Poly embarked on a five-game road trip. It spanned a total of 15 days, full of hotel and hotel cots. Where the Mustangs headed home they had five consecutive loses with no wins. Tonight offers up the challenge of the revenge-seeking Aggies, a team the Mustangs only beat by three points the first time around.

In that win at Mott Gym, senior guard Lorenzo Keeler led the team with 22 points. Sophomore forward David Hanson added 16 from the bench and senior forward Ryan Darling recorded a double-double. The Aggies did hold a nine-point lead in the second half as the game was close throughout.

“They’re sitting right behind us with that redemption game in their eyes,” Callero said.

In their previous match-up, the Mustangs shot more than 50 percent from the field. Against Santa Barbara and Bakersfield, the Mustangs shot an average of 33 percent from the field.

“That is more of a concern to me than what happened last week. What we’ve got to be able to do is kind of regenerate some energy and regenerate some consistent offense,” Callero said. “If you look at the good victories we’ve had on the road, at Irvine and at Long Beach State, we shot a high percentage offensively, and that really energizes the team defensively.”

The next two games can prove to be make or break for the Mustangs. In a difficult conference stretch, Cal Poly cannot afford to lose ground.

“Hopefully we get up there to the Bay Area with (the) Davis and Pacific teams and see if we can’t knock one out of them,” Callero said.

— Alex Kisch, Brian De Los Santos and Zach Luntz contributed to this article.

Kiffin grabs second-best recruitment class

Andrea Adelson
THE ORANGE SENTINEL

National Signing Day featured all the usual twists and turns, late flourishes, flip flops and super shocking announcements.

But one thing remained as constant Wednesday as it had for the weeks leading up to the big day: The Gators were the consensus team atop the 2010 recruiting rankings despite the uncertainty surrounding coach Urban Meyer.

“Florida has the best defensive class anybody’s ever signed,” said Tom Lemming, CBS College Sports Network football recruiting expert.

Now for the biggest twist of all: Lane Kiffin, the notorious nemesis to Meyer, was standing close behind with his new’ school, USC.

The Trojans had the No. 2 spot in the Rivals.com rankings. No. 3 with Lemming, No. 4 in SuperPrep and No. 8 on ESPN after getting the biggest prize left after getting the biggest prize left last week in the form of Bama's Nick Fairley.

Lane Kiffin, the only head coach and at several receiver spots, including No. 1 overall quarterback and No. 1 overall defensive back out of Florida commit Nickell Robey, Markeith Ambles, and former Georgia commit Nickell Robey, a defensive back out of Frostproof.

“It was a psychedelic day for Lane Kiffin,” said Allen Wallace, national recruiting editor for Scout.com and editor of Super-Prep Magazine. “Lane was paint- ed as Darth Vader because he came from Tennessee, but for him to win that battle for Henderson, it legitimized him as a guy who can close the deal on the biggest of prospects in a tough, tough situation.”

USC ended up with five five-stars. The Gators inked four, including No. 1 overall wide receiver Marquez North.

see Kiffin, page 15

Manning vs. sentimental favorites

Tim Cowlishaw
THE DALLAS MORNING NEWS

FORT LAUDERDALE, Fla. — It was here in south Florida 41 years ago that Joe Namath made the most memorable guarantee by a Super Bowl quarterback.

There won’t be an upset anything like the Jets scored over the Baltimore Colts so many years ago this Sunday night. And there won’t be anything like that in the pregame buildup this week from the Colts’ Peyton Manning or the Saints’ Drew Brees.

But once Sunday night arrives, this game is as close to a guaranteed shootout between quarterbacks as the Super Bowl has seen. Manning is coming off another MVP season in which change at head coach and at several receiver positions seemed only to energize the 12-year veteran.

Brees is nothing more than the toast of the entire Gulf Coast after throwing for more than 4,000 yards for the fourth straight season in New Orleans.

It goes without saying that most teams that arrived at the first Super Bowl got there with pretty good quarterbacks. More than half were Hall of Fame-bound.

But two big-time passers living up to their reputations and the one current player who has been a rare. The only Super Bowl loser to reach 30 points was Dallas in 1971.