Earthquakes remain in public eye

Katie Grady 1/25/10

An international focus on earthquake assessment and preparedness has resurfaced in the aftermath of Haiti's recent disaster and two recent California quakes.

Dr. Robb Moss, a Cal Poly assistant professor in soil mechanics and earthquake engineering, is part of Geo-engineering Extreme Events Reconnaissance (GEER), an association of seismologists and geologists devoted to gathering scientific data to improve methods to prevent greater damage and deaths from earthquakes.

"As engineers, we prepare for the next one," Moss said."We focus on what we can do better next time. If we can do something better, we can build on those to increase mitigation in the future."

GEER asked Moss to join a reconnaissance team that would gather geotechnical data in Haiti.

"Some earthquakes are fun scientifically, but in the situation with Haiti, science becomes hard when you want to help," Moss said.

Scientists forecast that there is more than a 99 percent chance that an earthquake of magnitude 6.5 or larger will hit California in the next 30 years. Dr John Jaubelock, a Cal Poly physics instructor, said San Luis Obispo is just 150 km west of the San Andreas Fault, a system similar to the Enriquillo-Platian Garden fault zone that runs just South of Port-au-Prince, Haiti.

"The Haiti earthquake was a left-lateral slip fault, the same type of fault as the San Andreas fault but it moves to the right instead," Jabsbnek said. "The way they move is similar, but the San Andreas Fault is bigger."

With the death toll rising potentially to 290,000, Haiti's capital city remains in ruins and in desperate need of aid and ranks close behind the 1976 Tangshan, China earthquake as one of the deadliest quakes ever recorded.

Fault system assessment can provide probabilities, but predicting earthquakes to the hour, day or even year is still not very successful. Scientists predicted that the Loma Prieta area would experience an earthquake due to a seismic gap in the San Andreas Fault. They had been mapping since 1968, but the predictions were not enough to prepare for a 6.9 magnitude quake that hit the San Francisco Bay Area on Oct. 17, 1989. Known as the World Series Earthquake, 63 people died after 10-15 seconds of trembling.

Michelle Smith, an earth science and earthquake enthusiast, is fascinated by the idea of inducing earthquakes. Like Moss, she is torn between the marvels of Earth's systems and the damage they cause. She elaborated on the Haiti earthquake by discussing the major lack of earthquake codes. "Getting under a doorway works for us, there is no... it doesn't." Smith said.

see Earthquakes, page 2

Professor discusses climate estimation

Anieca Ayler 1/25/10

A professor spoke to Cal Poly students about climate mapping and estimation, addressing some statistical problems affecting weather maps and prediction last Thursday.

Corn Willmott, a professor of geography and land surface climatologist at the University of Delaware, was invited by the geography department while Willmott and his wife stayed at their vacation home in Cambria. His appearance was a special event for the noon packed with social science majors, said Greg Bohr, an attending geography professor.

"The whole idea of someone who is critical about maps is something we don't get to talk about in intro courses, so it was nice to see that applied," Bohr said.

Willmott gave a brief introduction to his ongoing research. He and his assistant graduate students have identified problems with commonly used methods of climate estimation from observational records. They have also developed better methods of spatial interpolation of climate maps -- a process that helps create climate maps from past temperature and rainfall records.

"Our research reveals many existing methods to be slightly inaccurate, producing climate maps and other related information that can be as much as two degrees Celsius off."

"We should be aware of some of the problems that exist in this information and how to critically interpret what's being recorded," Willmott said. "When someone reports an average temperature, for example, you really need to know how they got it, because it could make a big difference in terms of what the temperature is."

With his speech, Willmott wants to bring to light the implications of accepting statistical information without question.

"What I'm hoping is some of the students will stop, will look at a weather map with a more critical eye and start asking questions," Willmott said. "What data did they use? Where are those data points located? How did they estimate the average?"

Social science junior Audrey Porcella says though his presentation was heavy in statistics terminology, she was able to follow it because of a class she took on Graphic Information Systems. Part of this class focused on the differences of various weather predictions, she said.

"It was interesting to see how these variations played a role in assessing climate maps, and to find out that many of the errors in maps are because the climatologist did not take into account elevation," Porcella said. "In general, becoming aware of all the potential areas for error was quite enlightening."
Earthquakes

continued from page 1

A measure of poor infrastructure is a measure earthquake is the worst
of two weeks. According to Moss, of
the damage in Haiti is almost peers to how would have happened in

the development with limited ing the damage. The economy
infrastructure. The economy in
Haiti had enough money to build, the 1 call was there is
structure was not in place. With a On building infrastructure
"all over the place," Moss said. The
"all over the place," Moss said. The
Cal Poly earthquake study that is
being released shows that the Cal Poly
environment meets code.

"We have a relatively new campus,
comparative to some of the UCs," Moss said. "It’s up to code and rela-
tively no shakes on this campus.

The Cal Poly Web site provides a
campus emergency management
"the earthquake," the light waves will
not travel faster than the sound waves,
waves because the earthquake
will only be felt by humans of second or minutes. In this way, a
system of communication such as a
problem you can flip the switch or send
the mass text message, but that’s not
to happen until after the fact.

Moss said. "The new technology for
earthquake preparations in an
Earthquake Warning System (EWS),
tells you how big and how fast as
earthquake is. The best way to
prepare for an earthquake is to
build. Building engineers with this
technology is that in the case of an
earthquake, an announcement over
the public address system or a text message will be
too late.

"The thing about being prepared,
you can flip the switch or send the
mass text message, but that’s not
to happen until after the fact.

Dr. Gregority Boleh, a Cal Poly
geochemist, geography, the
professor of history, said, "The
Colma earthquake was
bushed to the walls and heavy ob-
jects not stored where they can fall,
during an earthquake."

"It’s not a bad idea to have emer-
gency supplies (food, water, or first
aid kit) available and refreshed from
time to time," Boileb said.

There are several modes of
communication to get information out
students and faculty E2 campus is a
software program, which once you
register your phone, notifications
will be sent directly to you during
an earthquake. There are roughly
4,000-4,000 students registered for
this system, about one-fifth of the
student body.

An emergency notification system,
such as the Cal Poly system, will be
growing in the near future, in which speakers
each campus will be active in warning
systems, said Mark Hunter, head of

It’s all about building structures
that people can survive.

—Dr. Robb Moss
assistant professor

Bill

continued from page 1

they should not have to disclose their
books to the public. He said the uni-
certainty has historically been transpar-
ent, pointing out that the corporation
board meetings are public.

One of the bill’s strongest
opponents was the assertion that
donors have an influence over Cal
Poly’s academic and research stan-
dard. When big-time agriculture

Harry Rand, threatened to
withdraw money if people had to
know who was in the board.

Michael Pollan was scheduled
to speak at the Performing Arts Cen-
er in Oct. 2009, the one-man speech
was changed to a panel discussion.
Following this, Cal Poly, affairs for
allegedly keeping the public from
becoming aware of the changes.

"I am very comfortable and I
know the president is very comfort-
able and that we are in the,
comfortable area."

But, Visci said, there is no
discomfort and no need in the public
universities, "to the idea that
academic freedom with our
administrators.

"It gives them not only the
mechanism to open the switch or
send the mass text message, but that’s not
to happen until after the fact.

Visci, however, assured that the
administration was being open to
regarding students into deep consid-
eration when it comes to spending
corporate money.

But that’s the case, Visci Chief
Chief Academic Kenya Jones worried
whether not there will be wasted
hundreds of thousands of student
and tax-payer dollars fighting this
bill.

"If you’re truly not doing any-
thing, you just have to open the
books," Jones said. "If it’s open,
you can’t keep the money from
students that don’t want to be

However, the possibility of
insufficient spending on behalf of
CSU and UC non-profit founda-
tions and secondary bodies wor-
ners in the California Faculty
Association.

The CFA, co-sponsor of the
bill, said they are for the passing of SB 330,
because they feel there have already
been many examples of "question-
able use of foundation funds," CFA
President Lillian Taze pointed out a
fundamental problem that occurred at
Sacramento State in which the univ-
versity purchased a building in
downtown Sacramento as an
investment. When the school was no
longer able to pay for the building, the
university received a bill for the
building. The SB 330, said Taze doma-
tors and tax-payer money that could
gonna go toward students is now go-
ing toward an investment in which they
had no say in.

"I worry that people make
donors do our bidding, give them the
money’s going in one direction and
suddenly discover that it’s being
bounced around as we see fit." This
is the kind of public scrutiny we need in
the public universities," Taze said.

A big concern for Cal Poly CFA
members, according to Moss, is that
Sacramento is not that foundation and
corporation money is being spent
with the same openness and honesty
in their spending on issues of top
priorities such as classes.

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gonna go toward students is now go-

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NEWS editor: Kate McIntyre
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Monday, January 25, 2010
Bin Laden takes credit for airline bombing plot

Borzou Daragahi and Greg Miller

LOS ANGELES TIMES

BEIRUT — Al-Qaeda leader Osama bin Laden claimed responsibility for the Christmas Day attempt to blow up an American civilian jet in an audiotape broadcast Sunday on Arab television.

U.S. intelligence officials quickly raised doubts about bin Laden's role and suggested the statement was an attempt to score propaganda points and increase the group's isolation from his movement in Yemen.

In the clip, bin Laden said his group was behind the failed attempt allegedly carried out by Nigerian national Umar Farouk Abdulmutallab to blow up a Detroit-bound Northwest Airlines flight.

Speaking directly to President Barack Obama, the Al-Qaeda leader vowed to continue launching terrorist attacks against the United States as long as Washington supported what he described as Arab insurgents' treatment of Palestinians.

"From the Arab to the Obama: Peace upon the one who follows guidance," he said on the tape, broadcast on the pan-Arab Al Jazeera satellite news channel. His image appeared on the screen as he spoke. "America will not dream of security until we experience it in reality in Palestine."

U.S. intelligence officials on Sunday did not cast doubt on the authenticity of the tape. But they expressed skepticism that bin Laden or his lieutenants, believed to be based in Pakistan, played a meaningful role in conceiving or executing the Christmas Day plot.

"Al-Qaeda in Yemen takes strategic guidance from al-Qaeda's leadership in the tribal areas in Pakistan," a U.S. intelligence official said. "But we've never seen indications that the senior Al-Qaeda leaders in Pakistan have directed this, day-to-day operational planning for them in Yemen. Their relationship hasn't really functioned that way."

No evidence has surfaced to indicate that Abdulmutallab traveled to Pakistan in preparation for the plot. Instead, U.S. spy agencies in recent weeks have had to acknowledge their failure to recognize significant clues that began to surface last year indicating a terrorist plot was taking shape in Yemen, and that the Nigerian allegedly was being groomed by Al-Qaeda operatives there for an attack.

U.S. officials described the message from bin Laden as an attempt to take advantage of a plot hatched by al-Qaeda affiliates in Yemen to shore up his own reputation.

"Al-Qaeda in the Arabian Peninsula was behind the failed attack on Christmas Day. That's clear," the U.S. intelligence official said. "So a message like this — no matter whose voice it may be — should come as no surprise."

In his message, bin Laden likened Abdulmutallab to the militants behind the Sept. 11 terrorist attacks on the United States.

"If our messages to you could be carried by words, we would not have delivered them by planes," bin Laden said on the tape, which could not be immediately verified independently. "The message we want to communicate to you through the plane of the here, the holy warrior Umar Farouk is a confirmation of a previous message, which was delivered to you by the hands of (Sept. 11) and which was repeated previously and afterward."

Al-Qaeda in the Arabian Peninsula, an apparent offspring of bin Laden's loosely defined organization, had claimed responsibility for the attempted attack, in which the 23-year-old Abdulmutallab allegedly tried without success to detonate explosives attached to his underwear.

Many analysts have suggested that the Christmas Day attack was carried out by a localized affiliate of al-Qaeda in Yemen, operating independently of more senior leadership in Pakistan.

In a clip released Sunday, bin Laden took credit for a plot already claimed by an independent Yemeni branch of Al-Qaeda.

"Al-Qaeda takes credit for an attempt aimed against the United States."

U.S. intelligence officials were skeptical of bin Laden's role, and several experts questioned the credibility of the message.

"Bin Laden has never claimed responsibility for actual attacks," said a U.S. intelligence official. "It's very difficult to determine the level of involvement of this branch in Yemen."
Seven youngsters twitter around the biv stories of hope. Tonight that's intended to show (M C T) — A local boy is one of "Nick News with Linda Fuller—" The Face of 'Mirage: Kids Live each aches that lasted up to three children's network. It airs at 6:30 p.m.

Christopher Greiner
Collin MacGregor
Gregory Jackson
Borrett Wolfe
Caitlin Guidoux
Daisy Ocampo
Elite McCurley
Cortnor Drake
Hannah More
Benjamin Felt
Ashlee Rood

You ARE the STARS!

Advisor Appreciation Week!

Thank you, 2009-2010 Resident and Community Advisors, for all that you do. You ARE the STARS!

Aaron McCoy
Alysee Young
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Bruce Stall
Carlie Conlin
Cameron Christensen
Christopher Gardner
Colin McEnery
Courtney Debe
Cory Lavoie
Davon Dameron
Dominic Lave
Dante Stepphens
David Wirlstreet
Elise McCarty
Gavin Goddard
Guacamole
Justin Kunk
Nathan Wilt

State
SAN LUIS OBSIPFO (MCT) — A local boy is one of seven youngsters from around the state who will appear on a nationwide television show tonight that's intended to show others what it's like living with cancer and be inspired by stories of hope.

Tylee Bergeree, 13, of San Luis Obispo will appear tonight in "The Face of Courage: Kids Living with Cancer" an episode of "Nick News with Linda Ellerbe" on the popular Nickelodeon children's TV network. It airs at 6:30 p.m.

"I want people to know that kids living with cancer can still do all kinds of things," said Tylee, who was found by the show's producers after they canvassed cancer-support organizations around the country.

After five years of severe stomach aches that lasted up to three months, Tylee was diagnosed in June 2009 with neuroblastoma, a malignant cancerous tumor that originates in nerve cells and can cause the retroperitoneal region to become enlarged.

"It's been tough for the whole family," said his mother, Karen. "Most of these positions are part-time, the company said.

The three-and-a-half hour mix of hopeful and heart-wrenching scenes that followed crystallized the very purpose of the 82nd Airborne Division's deployment, but also the enormouse barriers in its path.

"The president will not walk away from the American people, will not hand them over to the tender mercies of health insurance companies who take advantage of them," White House senior advisor David Axelrod said on ABC's "This Week."

"They've had too many jobs in business membership recruiting, or about two positions at each of U.S. warehouse clubs.

A virtual interpreter for the troops told them about the job and the salary.

"The foolish thing to do would be for anybody else who supported this to walk away from it, because what's happening is, this thing being defined by the insurance industry propaganda, the propaganda of the opponents, and an admittedly messy process leading up to it," his comments echoed strategy laid out by Obama's 2008 campaign manager, David Plouffe, in an opinion article today in the Washington Post.

"We've got plenty of distractions.

Arizona Department of Health Services was more complex than outright Congressional vote they needed to filibuster the Democrats' health care bill. But Axelrod said the message from voters was more complex than outright rejection of the legislation.

He noted that Massachusetts had enacted its own major health care overhaul law in 2006 with 59 percent of voters in last week's special election support it, according to a poll by the Washington Post, the Henry J. Kaiser Family Foundation and Harvard University's School of Public Health.

"It's a good plan that's been better marketed than implemented," according to Pam Sullivan, a National Transportation Safety Board spokesperson. The trip's purpose was not immediately known, but the two men worked together at Hollywood-based ENS Corp., a software communications company.

The plane left the airport at 6:52 p.m., Sullivan said.

WASHINGTON — The Obama administration used Sunday to steady itself and its top domestic priority after last week's stunning Massachusetts Senate upset, as a top White House official vowed to move ahead with comprehensive health care legislation because "the underlying elements of it are popular and important."

"The president will not walk away from the American people, will not hand them over to the tender mercies of health insurance companies who take advantage of them, White House senior advisor David Axelrod said on ABC's "This Week."

WASHINGTON (MCT) — Two Florida men died after their twin-engine plane crashed in a residential neighborhood near Chicago Saturday night.

The men were identified as Drago Strazhi, 32, of Lake Worth, Fla., and pilot Gary Bradford, 32, of Hollywood, Fla. The small Piper Aerostar crashed in Sugar Grove, a village 2 miles from the Aurora, Ill, airport where the plane took off, authorities said.

They have found in Texas and spent one night in Austin before a planned trip to Denver, according to the U.S. National Transportation Safety Board spokesman. The trip's purpose was not immediately known, but the two men worked together at Hollywood-based ENS Corp., a software communications company.

The plane left the airport at 6:52 p.m., Sullivan said.

"I think people want action on health care," Axelrod said, admitting some mistakes in the yearlong effort to move legislation through Congress.

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"We've got plenty of distractions.
Plot
continued from page 3
out without bin Laden's input, in a sign of al-Qaeda's continued splintering.

The Yemen branch has strengthened its leadership and has a more focused ideology and strategy than years ago when militants in the country frequently looked to militant leaders in Pakistan or Afghanistan for guidance.

The nature of the plot and the devices employed were similar to a roadside bombing in al-Qaeda in the Arabian Peninsula carried out last year against the headquarters of Saudi Arabia anti-terrorism program, Prince Mohammed bin Nayef survived that strike, in part because he may have been shielded from the force of the blast.

The attempt on Nayef appeared to be a precursor to the bomb on Christmas Day attack. In both instances, the explosive PETN was used. Both devices were undetected by airport security. The bomber targeting Nayef and the explosive inserted into his rectum, it was triggered by a telephone call. The bomber was killed and Nayef was lightly wounded.

But the Yemen group also has ties to bin Laden. The alleged leader of the Yemen branch, Nasser Abdel Karim Wahishi, trained in Afghanistan and once acted as a secretary to the al-Qaeda leader, whose ancestral home is Yemen.

Wahishi's second in command, Naeem Ali Shehri, a U.S. citizen who spent years in U.S. detention at Guantánamo, was captured in 2007 in the lawless tribal areas along the Pakistan-Afghanistan border, where bin Laden is believed to be held up. Shehri was released from Guantánamo in 2007 and underwent a Saudi rehabilitation program before moving to Yemen.

Wahishi and Shehri drew together a coterie of militants arriving in Yemen from wars in Iraq and Afghanistan, along with more than 20 extremists who escaped from a Yemeni prison in 2006. Shehri is believed to be behind a 2008 attack on the U.S. Embassy in Yemen that killed 19, including an American citizen.

Legislation
continued from page 4
fact, or at least one Senate Republican would have to cross party lines to support a compromise between the versions that passed each chamber.

And Republicans said today they would not help save the legislation. "This particular bill deserves to be stopped," McConnell said on NBC's "Meet the Press." "What we need to do is start over and get it right."

McConnell would not say what elements of the existing legislation Senate Republicans would be willing to support. "We would have to sit down and discuss that," he said.

Republicans want to start over on a bipartisan basis with legislation that would reduce malpractice lawsuits, and allow individuals to deduct the cost of their coverage from their taxes the way corporations can. McConnell said. But the existing legislation, with its huge price tag, is a nonstarter, he said.

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THE WINE GROUP
Cal Poly professor reads poetry in Phillips Hall


Clark described his own work as having two different poetic styles. "One is an edgy, narrative style telling story-like poems, and the other is a more lyrical, melodic style," Clark said. "And I occasionally invest my poems with humor." Michael May, a Cal Poly grad-a-ate, got both his undergraduate and master's degree in English literature. "He's a pro with a sense of humor," May said. "He's self-deprecating as well, which I love. When a poet can make fun of himself, that's a great poet!"

see Clark, page 8
The Endless Bummer may or may not make music you enjoy

Before we begin, I would like to point out that the review is completely honest, completely absurd and completely unnecessary. You should know that the music is thoroughly and completely abysmal. But, most importantly, you should know that I do it in a completely absurd and silly way."

Robert W. Butler

Harrison Ford takes charge with new film "Extraordinary Measures"

Harrison Ford signs autographs at a screening of his latest film "Extraordinary Measures," released last week.

Robert W. Butler

Harrison Ford is an institution. A household name. For almost three decades he has been one of Hollywood's leading men, playing Indiana Jones, Han Solo and Jack Ryan.

So ought he to have his pick of good scripts, right?

No, Ford said in a recent phone interview from Los Angeles. "I used to depend on a steady flow of projects, and I understand the studios' development process," he said. "But now I want something for yourself — something you can be proud of — you have to make yourself. You have to spend the time and money to do it yourself."

Part of the problem, he said, is that Hollywood tends to view actors in light of their most recent work. So in the wake of 2008's "Indiana Jones and the Kingdom of the Crystal Skull," scholars weren't too impressed of thinking that he was still interested in intimate dramas or comedies. Ford said that one in my career — different kinds of films, films on different scales. Despite my career choices, people tend to think of you in relation to your more commercially successful work. But the thing for me is, I'm not interested in the audience. Ford said. "That's what I'm interested in. That's what I'm interested in. That's what I'm interested in." Ford said. "It's very important to me. This isn't the kind of film of who I'm trying to get found in the streets."

"If, in fact, this script had been circulating around the general market, it would have pushed John Malkovich for the part before they went out to me. While I had a great part, my part in a role like this, I'd have liked to have a part in this. It was very important to me. This isn't the kind of film of whom I'm interested in."

"Being the producer all involved the project on which my name appears is of the quality that is very important to me. His isn't the kind of film of which I'm interested in."

"I'd rather have the names of my kids on the tombstone," he said. "That's what I'm interested in."

Ford, 67, has four grown children from his previous marriages to Melissa Mathison and Mary Marquardt, and is the father figure for 9-year-old Liam, the adopted son of son-in-law, Calvin Kline.

"It may sound odd for someone in this business, but I'm not a natural farmer. I've never been a student of cinema. I don't even watch many movies."

"I don't care if I'm working. I've always liked the work. I like the people who work on movie sets, and I like the process of filmmaking. I like the problem-solving aspects of film production, and I like being involved with things that interest me."

"Besides, it keeps me away from such things as playing golf."

"No, I don't care any of my movies on the tombstone. I'm fine with a plain old epitaph."
Hate Comic Sans: A typophobe's rant against the kindergarten font

Comic Sans walks into a bar, and the undertaker says, "We don't serve your type." It's true. If typefaces could walk and talk, they'd congregate against Comic Sans. I hate the font. Maybe it was the time I received my novel, and ripped off the tag. (Any beauty baby enthusiast would know that it's against baby boutique etiquette, they even sell tag protectors). Or maybe it was the garage sale sign (I didn't go), restaurant menu (I didn't eat), midterm exam (I stared at it for a full five minutes before I began), or countless club posters around campus (I ripped them all off the wall). I don't know exactly when my hatred for Comic Sans began, but one thing still remains true: It's time to kill the overexposed font. It's time to ban Comic Sans.

According to graphic communication professor Brian Lawler, type is one of the most eloquent means of expression. Comic Sans, however, expresses something quite different.

"It's unfortunatelly, a typeface that is overused and unfortunately overrated and trendsetting. The favored typeface of human resource managers and high school librarians, Comic Sans was designed by Vincent Connare and released by Microsoft in 1995. Connare was inspired by the lettering style of comic books and comic strips. He called it "Kernomatic Gothic." The letters are closely packed, resembling Batman and Watchmen.

Connare originally designed Comic Sans specifically for comic book style talk bubbles and not for general use. The font's initial name was Comic Book. However, Connare didn't think the name sounded fit for a typeface. He used "sans" referencing a sam-serif font because most of the lettering (except for the lowercase l) doesn't have serifs, the small features at the end of strokes.

Fifteen years after the Comic Sans induction, the font has been abused so excessively it threatens to erode the foundations upon which centuries of typographic history have been built. From Gutenberg's letterpress to the digital age, type, like music and art, has a rich history. Through history, the design of letterforms has been influenced by the prevailing cultural climate. The letters printed in Renaissance Europe by Johannes Gutenberg were a direct interpretation of the ornate gothic handwriting of the day — blackletter. Blackletter influenced the italic cut type, Bembo, which was invented by 16th century Italian handwriting. Contemporary typography functions as a kind of wealth-er for the era, with designers expressing themselves through type. Type is a voice; in varying sizes and characteristics communicating to readers a meaning beyond mere syntax. This voice speaks louder than the text itself.

For example, when you see a "Do Not Enter," "Danger" or "Caution" sign, the use of a heavy, obvious, commanding font such as Gill Sans Bold or Bell Gothic Bold is appropriate. You can even see serif typefaces (actually called Highway Gothic) which are developed by the United States Federal Highway Administration to maximize legibility to drivers at a distance and high speed.

Typsetting such messages in Comic Sans would be ridiculous. This is sort of misuse is most common on posters around campus. Comic Sans as a voice conveys ulines, irrelevance, absurdity and is too casual for such a purpose. Writing your resume in Comic Sans is analogous to showing up for a job interview in a cow costume. Additionally, sans serif fonts are not typically used for large bodies of text. If you examine most textbooks, they are set in serif type. This is because the serifs in text lead your eye from one letter to the next and promote easy comprehension. One more reason why Comic Sans shouldn't be used for lengthy e-mail, college essays or exams.

On campus, typography is most effective when expressed through The Type Directors Club, the current show at the University Art Gallery. The Type Directors Club is an international organization founded in 1946 whose members include professional typographers, graphic designers, signers and typophiles. The exhibit features excellence in the use of typography, calligraphy, hand lettering and other typeforms.

The show clearly exemplifies the power and clarity of a well-chosen typeface. They've made it a point not to include Comic Sans.

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Stand up for yourself by standing on principles

This country was founded on several highly-valued principles outlined in both the Declaration of Independence and the Constitution that shouldn't be ignored.

Many are so basic and fundamental that they are easy to take for granted, especially if you have been born and raised in the United States and have had your rights respected all your life. However, rights are easily eroded; usually it isn't an abrupt transition, but a slow and gradual one. The transition is one of incrementalism, where a slipped foothold is established upon and at the beginning you don't notice, but perhaps by the time you do, it's too late and you wish you could get back to the "good old days." As a rather extreme example, tyrants like Mao, Hitler and Stalin do not come to power instantly — there are circumstances leading up to their rise to power, and in many cases that includes elections. I say this not because I think we've reached a critical disaster, but because I think it's always important to consider the future ramifications of actions we take now. I respect people who are against policy that may in and of itself be harmless, but they see the potential harm down the road.

One area where I see small, incremental changes (but dangerous nonetheless) is with government checkpoints. In 1990 the U.S. Supreme Court (Michigan Department of State Police v. Stitz) ruled that checkpoints for the supposed purpose of catching unlicensed drivers were legal. Checkpoints were further expanded post 9/11 for the supposed purpose of immigration enforcement, with these checkpoints being allowed as far as 100 miles from a border. Americans are routinely stopped and asked about their citizenship even when they don't cross a border. All of this is contrary to our fourth amendment rights to be free from unreasonable search and seizures. I fear that checkpoints will continue to grow in number and their purposes will expand as well.

Another example is firearm registration. There are many different forms of firearm registration, but generally I think people who are opposed to firearms registration aren't as opposed to firearm registration itself as much as the ramifications and the slippery slope that it entails. If a firearm is uncovered at the scene of a crime, law abiding citizens probably would feel more secure knowing it's back to its owner. However, firearm registration (as the saying goes) leads to firearm confiscation.

I think it's easy to understand that standing against this is what has come to be known as the National Guard unconstitutionally (and therefore illegally) went around confiscating firearms that citizens wouldn't want their firearms to be registered, as it would make them easier targets for the government. As a result, many people have shown that firearm registration has repeatedly led to confiscation, so people are rightfully very wary of any registration laws. Registration leads to more regulations of buying and selling firearms, as the registration must be kept current and it also means that there is a database somewhere of people who own firearms and the quantity and types that they own. This is sensitive information that can be easily mined. I'd imagine it'd be a criminal's dream to access a list of who owns what firearms as the country would turn into a virtual superstore for that criminal.

We should stand up for even the smallest infringements on our rights. Too many people don't pay attention to small infringements and after a while the infringements seem normal. Once a small infringement of our rights is allowed, it makes it easier to expand and magnify that infringement subtly. After a decent amount of time they are no longer small infringements of our rights, but rather big, huge violations of them. It is much harder to remove our rights as Americans at that point and much easier to have dealt with the small infringement at the beginning. It's important to stand on principle and not let things slide, so to speak. As Benjamin Franklin said, "Those who would give up essential liberty to purchase a little temporary safety, deserve neither liberty nor safety." How much time have I, and yet people seem to be doing just that every day.

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emotional notices

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"Agreed with Disney."
Wrestling falls to No. 12 Boise State in dual meet

After rolling off three straight wins, head coach Cal Poly wrestling coach John Arcevedo looked to his team's contest against No. 12 Boise State to solidify its legitimacy from a national perspective.

"We were definitely looking to win and prove ourselves as a top-10 program," Arcevedo said.

Boise State rode a technical fall by No. 1-ranked Kirk Smith and victories in two matches over nationally-ranked wrestlers as the Broncos defeated No. 15 Cal Poly 23-13 in a Pac-10 Conference dual meet Sunday afternoon in Mont Gym.

"We were looking to go out and battle and be our best," Arcevedo said.

Smith earned a 20-4 technical fall against Mustang 184-pounder Kellan Bragg, lifting his record to 17-0 for the season, as Boise State improved to 11-2 and 4-0 in the Pac-10.

Cal Poly (6-3, 3-1) won two of its nine matches including a forfeit due to an injured Boise State's Andrew Hochstrasser, who is ranked third in the nation.

No. 4 Filip Nowachkow lost to No. 12 Lino Jones after surrendering an early 5-1 lead. Jones held on for an 8-5 victory, moving him up to second in the Pac-10 with a 14-3 record. Nowachkow, ranked first in the conference, fell to 16-8.

 Ranked 10th in the nation, Cal Poly's Chue Pani had similar luck facing Boise State's Adam Hall, ranked No. 2 nationally and No. 1 in the Pac-10.

Pani escaped to start the second period after a scoreless first.

It was his only lead as Hall notched four takedowns in a 11-6 decision. Pani fell to 20-5 and Hall moved up to 20-2.

Cal Poly's Ryan Smith gave his team an early 4-0 lead with a 12-3 major decision against Matt Caprison at 197 pounds. Smith scored four takedowns, an escape, riding time and two penalty points for his 15th win in 24 matches this season.

Steven Vasquez earned the other win at 165, with a 6-3 decision over Michael Guthertson. Vasquez scored a takedown with 59 seconds left in the final period to take a 6-4 lead and secure the win.

Vasquez's win (19-8) closed Boise State's lead to 15-13, but the Broncos posted victories at 174 and 184 to clinch the dual meet.

At 174, Mustang sophomore Ryan DesRoches surrendered two takedowns, an escape and riding time in a 14-3 loss to No. 15 Nate Lee.

Mustang 285-pounder Jim Powers extended Sam Zylstra into overtime before giving up a takedown in a 3-2 sudden-victory setback.

Cal Poly will host Arizona State on Feb. 5 at 6:30 p.m. and Oregon State on Feb. 6 at 7 p.m. for two more Pac-10 matches in Mont Gym.

Cal Poly won two of nine contested matches against Boise State. One of the Mustangs' victories came off a forfeit.
Women's basketball rebounds from loss against Matadors

Senior forward Kristina Santiago, became the fifth leading scorer in Mustang Program history with a 15-point effort to propel Cal Poly (12-6, 3-2 Big West) to a 73-60 win against Cal State Northridge (3-13, 2-4) in Mott Gym. Cal Poly, led by Santiago and his 23 points, beat Cal State Northridge 73-72 in what was part basketball game part brawl: "It was a sight we really ugly but ugly sometimes wins," head coach Joe Callero said.

Hanson added 15 and Shawn Lewis finished with 11. Each of his game-winning free throws from Thursday, Lewis gave Pol with 1:19 lead with 1:55 left. "He hit some big shot for us made some big plays, got big rebounds, but his poise was much better ... he is running in a player," Callero said.

Still up two, Kyle Oelister got a screen on the elbow from Callero and kissed in a leaning banker with 43 seconds left, it would eventually prove to be the game winner. "What we know about Kyle is that's done this two or three times for us... He shot it with confidence and I think the team expects him to make that shot," Callero said.

Mark Hill, who led the charge for the Mustangs and was perfect from the field until 3:35 mark in the second half, came back and hit an off-balancer three. Running full speed down the left side of the court, Hill stopped and nailed a long-range three while fading to the left. Hill went 3-7 from long range and ended the right with 24 points. "Maybe, even a month ago we lose that game... but now the internal message in our guy's head is we're going to win, we're going to find a way," Callero said.

Still missing big man Will Dough, Callers reached into his bag of tricks and played small ball. One point during the game, the tallest player on the court was the 6-foot-6-inch David Hanson. "Let's play small, let's play Gold- en State Warrior basketball," Callers said. "How are they going to respond to us? We have three point guards on the court... two small forwards and they had to adjust to us. We had quickness. We were able to move the ball, everybody could touch and drive it and pass it." The Mustangs are riding a three-game win streak. Highlighted by Lewis finishing with 15, Kristina Santiago finished with 15 and Rachel Clancy finished with 13.

Sophomore guard Justin Brown finished the game with eight points. Brown was one of three Mustangs who combined to score 26 points off the bench. David Hanson finished with 15 and Charles Anderson finished with three.

Senior guard Brittany Lange was one of three Mustangs who finished in double digits against Cal State Northridge. Lange finished with 15, Kristina Santiago finished with 15 and Rachel Clancy finished with 13.