Prof stands by his study
Expert asserts power lines have no link to cancer
By Britt Fekete
Mustang Daily

The issue has been debated for more than 15 years, but still no evidence exists proving that living near a power line causes cancer.

Cal Poly physics professor David Hafemeister said that the biggest magnetic field is inside the home caused by appliances, not from power lines.

“It’s bogus to say the distance from power lines is important,” said Hafemeister.

Two significant studies in the mid-1990s found no proof of a link between the electromagnetic fields that radiate from power lines and cancer. Despite this, millions of dollars have been spent to move power lines, install shielding and cancel electrical plant upgrades because of widespread public fear.

Although the National Institute of Health recently said electricity is a carcinogen, scientists are skeptical because the amount of energy and strength in power lines are low.

see STUDY, page 3
Young thrive, old wither

Writer's Guild survey finds more Hollywood writers are young, white men; minorities, women lag far behind

In a profession where high unemployment is the norm even in the best of times, 73 percent of film writers under age 30 had jobs in 1997, but less than a third of writers age 50 or older were working. The figure was 19 percent for writers 61-70, the survey found.

About 77 television series last season had no writers over age 50 and some prime-time shows as "Friends" and "Felicity" writer Riley Weston, who wrote one of the country's Roman Catholic majority.

Leila Sehovic left in tears Sunday after the judges announced the decision, then refused to relinquish it and threatened to sue organizers.

Officials had cited voting irregularities for its decision to strip Sehovic of her title on Oct. 16, five days after she was crowned.

Newspapers reported that behind the scenes, some organizers had worried the public and national government officials would be troubled by having a Muslim win such a high-profile contest.

and math students must choose a liberal arts elective," Harrington said. "We want students to graduate with strong, more coherent skills in writing and critical thinking."
MIT fraternity case lacks defendant

BOSTON (AP) — The manslaughter case against an MIT fraternity in the drinking death of a freshman effectively ended Monday because the frat has disbanded and there is no one to answer the charges.

Last month, prosecutors took the extraordinary step of bringing manslaughter charges against Phi Gamma Delta — the organization, not its members — in the case of year-old Scott Krueger, who drank himself into a coma at a party and died.

Since no individual members were named in the indictment, the case quickly unraveled when the fraternity disbanded.

On Monday, the Superior Court magistrate who had issued a warrant against Phi Gamma Delta filed it as the fraternity tries to reorganize at the Massachusetts Institute of Technology.

Pamela Wechsler, assistant district attorney, conceded the case is over for now but said it wasn't all for naught. The charges drove the fraternity off campus and prompted MIT to reorganize and change its alcohol and disciplinary policies.

"A lot of things have happened as a result of the investigation and indictment," she said.

Boston defense attorney J. Albert Johnsen, who was not involved in the case, called the charges silly, saying a fraternity is simply an association of people with no legal standing in criminal law.

While legal experts were baffled by the prosecution strategy not to name any individual defendant in the case, a spokesman for Suffolk District Attorney Ralph Martin's office said they pursued the case because it was "the right thing to do."

Brad Henry, a lawyer for Krueger's family, said, "The criminal justice system has failed." He blamed the fraternity and the school for refusing to stand up in court.

The chapter disbanded the day the indictment was announced and the national fraternity disassociated itself from the local a year ago, Henry said.

Police said Krueger, from Orchard Park, N.Y., was forced to drink huge quantities of liquor as part of a pledge contest at "Animal House Night" in the fraternity house.

The Krueger agers their son bears much responsibility for his actions but say he has already paid the ultimate price, Henry said.

STUDY

continued from page 1

When electricity flows through a wire, both electric and magnetic fields are created, but only the magnetic fields penetrate the human body.

The strength of magnetic fields is measured in gauss. The fields from appliances and power lines are measured in milligauss, or thousandths of a gauss.

Home appliances radiate fields from about 1 to 280 milligauss, whereas a nearby power line radiates fields from 5 to 40 milligauss.

Hafemeister said that to cause cancer, the electromagnetic fields would have to break the bonds in DNA and change the chemical makeup, including unburnt carbon — as in cigarette smoke — and nuclear radiation are capable of changing chemical composition, but not electromagnetic fields, according to Hafemeister.

He said that no mechanism for this has been found, but there is a biological link been discovered.

"You can't prove a negative," Hafemeister said. "All you can do is look for links and epidemiological (study of disease in human populations) and the possible causal correlations."

In 1995, the American Physical Society, the world's largest group of physicists, released a statement which members of APS include biophysicists, who study the biological effects of physical phenomena.

The debate and public fear began in 1979, when two physicists reported a high rate of childhood leukemia for children living near 60-Hz electrical power lines in Denver, Colo.

Hafemeister said that the data on childhood leukemia has been inconsistent, suggesting only a weak association between the disease and power lines.

Hafemeister said this isn't just an issue about writing papers.

He has also helped write briefs to the California and New York Supreme Courts offering advice on cases dealing with defendants claiming they got cancer from power lines.

Hafemeister said that there will always be some people who believe there is a link between cancer and power lines.

One example is journalist Paul Brodeur who wrote the book, "The

---

David Hafemeister physics professor

Great Powerline Cover Up," a number of years ago.

Hafemeister however, currently sees the debate as coming to an end.

"I view this as going away," he said.

"The issue is over but will thrive around a while."

"The issue is over but will thrive around a while."

Hafemeister's study, "Power Lines Fields and Public Health" can be found on the World Wide Web at http://www.calpoly.edu/~dhafemei

---

Co-op Engineering Positions

Pulmonx, an exciting new medical device high technology company with tremendous growth potential is offering six-month Associate Engineer Product and Process Engineer positions. You will be exposed to exciting technologies and be involved in all aspects of Medical Device Product Development.

Please look us up through the Web Walk-up for a complete job description and to schedule an on-campus interview for November 2.

Co-op Engineering Positions

Pulmonx, an exciting new medical device high technology company with tremendous growth potential is offering six-month Associate Engineer Product and Process Engineer positions. You will be exposed to exciting technologies and be involved in all aspects of Medical Device Product Development.

Please look us up through the Web Walk-up for a complete job description and to schedule an on-campus interview for November 2.
It’s a morning person’s world

As I was lying in bed this morning trying to figure out a way to destroy my alarm clock, something became obvious to me: we do not live in a democracy; rather, we live in an evil, tyrannical society run by the morning people.

Yes, I am unfortunately cursed as being a night person in a morning person’s world. Rather than being afforded the extra help and sympathy given to the disabled in this country, my special condition is scorned and ignored. I am told that waking up at noon makes me lazy and staying up until 4 a.m. makes me disoriented.

The morning people don’t understand it is not by choice that my brain does not function at 9 a.m. or that my energy level peaks at midnight. I was born this way. Some genetic defect has forced me to live unaccepted in a world where all are expected to conform to the schedules set by the uncompromising morning people.

I can’t take all the blame; I need caffeine any time of day. Caffeine is offered only at times when I am expected to arrive bright-eyed and bushy-tailed. It my hours of operation. And during my waking hours, television programming consists of infomercials and snow. My cortex does not function that early. It’s my hours of operation. And during my leisure time, television programming consists of infomercials and snow.

More depressing is the knowledge that somehow soon I will have to get a job where I will be expected to arrive bright-eyed and bushy-tailed at nine in the morning. I am a bright and motivated employee, but I simply will not be able to compete with the morning people. My cerebral cortex does not function that early.

Now, coordinate amounts of coffee will only take me so far. So I suggest a more permanent solution to this rampant discrimination problem.

I propose that the morning people are forced to spend one week on a night person’s schedule. MIdnights will start at 11 p.m. and jobs will be from 3 p.m. to 1 a.m., rather than from nine to five. After enduring the kind of hell night people are forced to live with on a daily basis, maybe the morning people will be willing to make a compromise.

I’m sick of all the morning people suggesting that I simply change my sleeping habits to accommodate their ridiculous schedules, as if it were that simple.

I love the night. I was born for the night. Society’s moral prejudice must end. I will take my case all the way to the Supreme Court if I have to, and I’ll win too. Unless the trial is scheduled in the morning, in which case I’m screwed.

Jamie Rudolph is a speech communication junior who might not even be up yet.

Mustang Daily

Proposed rodeo site stirs controversy

There is perhaps no more crucial issue for our community than the proposed construction of a new rodeo arena on publicly-owned prime agricultural lands at Cal Poly, scheduled to start on Oct. 13.

Cal Poly has natural and cultural resources which we cannot afford to lose. However, perhaps because we eat and are clothed by crops often grown thousands of miles away, we face the most rapid loss of our own university’s ag lands ever experienced. We should recognize that the huge Sports Complex will be built on what was prime ag land. Now we have the announcement, which surprised many, that another 7.8 acres right in the heart of our closest remaining field is being used entirely for a new rodeo arena and parking lot.

The actual decision to approve the site on which to build the arena was made only one hour after it was first suggested to the Land Use Committee. There was virtually no invitation for student or public consideration on the decision, and bulldozers were scheduled to grade the site and dig drainage ditches as soon as possible so the Fall Rodeo could be held.

Even if everything else about the project is well-planned, the lack of good faith discussion or notice to California taxpayers (the actual owners of the land) turns any facility built there with the scratch of a pen and the improper use of perhaps millions of dollars of public assets in land value alone.

If we decide to build a new rodeo, let’s build a damn good one that creates more opportunities for interdisciplinary learning and brings greater honor to Cal Poly. The time of California and the nation looks to Cal Poly for agricultural leadership; therefore, we’re responsible to sit high in the saddle rather than sneaking in the back gate to get away with something we wouldn’t do in full view.

One important truth about smart, experienced agriculturists is that they never rush into important decisions, especially concerning good land. The current plan for relocating the rodeo is rushed and full of potential problems, expenses and embarrassment. I highly recommend anyone associated with it re-evaluate the big picture to avoid being long burdened by the high costs of hasty action.

Make no mistake, the proposed site is absolutely prime ag land, and is officially designated that way on all Cal Poly planning maps and documentation. Giving its location at the fourth-largest ag school in the nation, you couldn’t find more prime ag land if you tried. Given any care, the soil is absolutely fine for most crops, demonstrated by the multitude of varieties now successfully growing at the adjacent Permaculture Unit and organic Student Experimental Farm.

What a wonderful “learn by doing” experience it would be for students to become actual stewards of this land and bring it into abundance to feed themselves and their community. Is it this stewardship of soil which is the truly important learning for Cal Poly students. Without it, agriculture ultimately depletes its source of power and meaning, squandering the inheritance of fertility meant for our children.

Certainly, rodeo fans and participants deserve to be heard and compensated for their extinction due to the Sports-Complex. However, they are not entitled without debate or review of the 7.3 acres of publicly-owned prime ag lands designated by the people of California for the study of food, fiber and beneficial plants.

For all the good things people may say about rodeo traditions, please recognize that it is primarily sport and entertainment, having little to do with modern agriculture. If Cal Poly seeks to provide educational opportunities relevant to the challenges of today, we’ll stop building on our remaining prime ag lands and start growing on them. Current and future generations of students will surely be grateful.

Akiva Werbalowski coordinates the Cal Poly Permaculture Training Program through Extended Education.

Letter policy

Columns, cartoons and letters reflect the views of their authors and do not necessarily reflect those of Mustang Daily.

Mustang Daily encourages comments on editorial policy and university affairs. Letters should be typewritten, double-spaced, signed and include your major and a phone number. They can be mailed, faxed, delivered or e-mailed to opinion@mustangdaily.calpoly.edu.

Proposed rodeo site stirs controversy

Editor:

There is perhaps no more crucial issue for our community than the proposed construction of a new rodeo arena on publicly-owned prime agricultural lands at Cal Poly, scheduled to start on Oct. 13.

Cal Poly has natural and cultural resources which we cannot afford to lose. However, perhaps because we eat and are clothed by crops often grown thousands of miles away, we face the most rapid loss of our own university’s ag lands ever experienced. We should recognize that the huge Sports Complex will be built on what was prime ag land. Now we have the announcement, which surprised many, that another 7.8 acres right in the heart of our closest remaining field is being used entirely for a new rodeo arena and parking lot.

The actual decision to approve the site on which to build the arena was made only one hour after it was first suggested to the Land Use Committee. There was virtually no invitation for student or public consideration on the decision, and bulldozers were scheduled to grade the site and dig drainage ditches as soon as possible so the Fall Rodeo could be held.

Even if everything else about the project is well-planned, the lack of good faith discussion or notice to California taxpayers (the actual owners of the land) turns any facility built there with the scratch of a pen and the improper use of perhaps millions of dollars of public assets in land value alone.

If we decide to build a new rodeo, let’s build a damn good one that creates more opportunities for interdisciplinary learning and brings greater honor to Cal Poly. The time of California and the nation looks to Cal Poly for agricultural leadership; therefore, we’re responsible to sit high in the saddle rather than sneaking in the back gate to get away with something we wouldn’t do in full view.

One important truth about smart, experienced agriculturists is that they never rush into important decisions, especially concerning good land. The current plan for relocating the rodeo is rushed and full of potential problems, expenses and embarrassment. I highly recommend anyone associated with it re-evaluate the big picture to avoid being long burdened by the high costs of hasty action.

Make no mistake, the proposed site is absolutely prime ag land, and is officially designated that way on all Cal Poly planning maps and documentation. Giving its location at the fourth-largest ag school in the nation, you couldn’t find more prime ag land if you tried. Given any care, the soil is absolutely fine for most crops, demonstrated by the multitude of varieties now successfully growing at the adjacent Permaculture Unit and organic Student Experimental Farm.

What a wonderful “learn by doing” experience it would be for students to become actual stewards of this land and bring it into abundance to feed themselves and their community. Is it this stewardship of soil which is the truly important learning for Cal Poly students. Without it, agriculture ultimately depletes its source of power and meaning, squandering the inheritance of fertility meant for our children.

Certainly, rodeo fans and participants deserve to be heard and compensated for their extinction due to the Sports-Complex. However, they are not entitled without debate or review of the 7.3 acres of publicly-owned prime ag lands designated by the people of California for the study of food, fiber and beneficial plants.

For all the good things people may say about rodeo traditions, please recognize that it is primarily sport and entertainment, having little to do with modern agriculture. If Cal Poly seeks to provide educational opportunities relevant to the challenges of today, we’ll stop building on our remaining prime ag lands and start growing on them. Current and future generations of students will surely be grateful.

Akiva Werbalowski coordinates the Cal Poly Permaculture Training Program through Extended Education.

Letter policy

Columns, cartoons and letters reflect the views of their authors and do not necessarily reflect those of Mustang Daily.

Mustang Daily encourages comments on editorial policy and university affairs. Letters should be typewritten, double-spaced, signed and include your major and a phone number. They can be mailed, faxed, delivered or e-mailed to opinion@mustangdaily.calpoly.edu.
Editor:

Whoa, pull in those reins on the Cal Poly rodeo relocation project.

Regarding "From Farmland to Rodeo Arena" (Telegram Tribune, Oct. 23), Poly is clearly rushing the rodeo arena project to the detriment of the environment. A College of Agriculture administrator states, "We moved as quickly as we could (in order to accommodate the October rodeo). If environmental impacts were the only issue, we would've taken a completely different approach." His statement shows complete disregard for the environment.

This project is layered with deceptions. The university claims the rodeo relocation is temporary, allowing it to circumvent the prime agriculture classification and a more stringent review process. A question repeatedly asked during the comment period was, "If this is temporary, when is the removal date?" This never has been answered. This leads many to think the university has the intention of sliding this project through as permanent. Everyone else was left in the dark on the decision.

Margaret Koteen is a San Luis Obispo community member.
THREE
HUNDRED
COMPANIES.
ONE
CHOICE.

FIND OUT HOW WE CAN GET
YOU A GREAT JOB AND WIN
A SONY PLAY STATION.

INFORMATION SESSION
TUES. OCT 27
6 PM
MADISON'S BAR AND GRILL
BRING YOUR RESUME.

Founded in 1998, CollegeHire.com represents a revolutionary mecha­

nism for placing graduating college seniors in the best jobs the high
tech industry has to offer. Based in Austin, Texas, CollegeHire.com inter­
views and qualifies technical job seekers, and then works to place them
in premier high-technology companies, such as Trilogy Software, Inc.,
free of charge to the student.

For more information about CollegeHire or this event, please
contact lauren.prowse@collegehire.com or call directly at
512.685.HIRE.

CollegeHire.com
6034 West Courtyard Drive
Austin, Texas 78730 USA
512.685.HIRE
512.685.3960 fax
www.collegehire.com
Trilogy is an equal opportunity employer
VOLLEYBALL
continued from page 8
Despite the efforts of Utah State's Amy Gouldin, who led the Aggies with 22 kills and 15 digs, and Tiffany Kiley, who wasn't far behind with 21 kills and a .447 hitting percentage, Utah State couldn't get ahead of the Mustangs.

DeSoto said Utah State had good defense and hitting skills, but they couldn't finish the Mustangs.

"We had some really long rallies," DeSoto said. "Fortunately they would make the mistakes to end them, or we'd do something good to win them."

However, the tables were turned on the Mustangs Saturday night as they suffered a hard loss to the University of Nevada, the No. 1 team in the Mountain West.

DeSoto played well with 18 kills and seven digs, Pierce had 16 digs and nine kills, and Hathaway had the upper hand over Cal Poly.

"We played Friday night and then we played Saturday night," he said. "Nevada played Wednesday night at home and then had three days of preparation for Saturday night, plus sleeping in their own beds. Those are advantages."

However, Schlick said despite their advantages, Nevada was a skilled team and a definite challenge for the Mustangs.

"They were a good team, a productive team," he said. "They had good team speed, a good offensive scheme, and they played aggressive defense."

DeSoto said Nevada prepared well to play the Mustangs.

They knew how we played," she said. "They had scouted us really well. They knew where to hit the ball, and where our weaknesses were."

"The Mustangs took the loss hard. "We didn't accomplish some of our goals that we had set," she said. "One was to beat the whole Eastern Division, and one was to win 20 matches."

DeSoto said to meet the goal of winning 20 matches, and to also have a shot at the NCAA Championships, the team must win one of its upcoming matches against University of Pacific, UC Santa Barbara, or Long Beach State, all of which have beaten the Mustangs this year.

DeSoto says she still has confidence in the team's chances to play in the championships. "I think we can do it if we can play well in our remaining games," she said.

Schlick said they can't dwell too much on one game.

"We still have some great matches in front of us," he said. "One match doesn't make the world turn sideways."

UPSET
continued from page 8
enraged in cheers as the Mustangs finally scored when forward Brian Lange fired the ball at Bears' goalie Doug Brooks, who let the ball bounce through his arms and into the net.

The Bears hardly had time to recover when within two minutes of the Mustangs' first goal, Cummins scored a second goal, assisted by a corner kick by Mosley, to tie the game up 2-2.

Both teams battled for the win in the remainder of the second half, but the score remained 2-2 as the game went into overtime. Fans held their breath as the ball and the players flew across the field in all directions until four-and-a-half minutes into overtime play. Cal Poly freshman midfielder Barmore Matthews stormed down the left sideline and passed the ball to Cummins, who fired the ball for the game-winning goal.

Helm said it was difficult being sidelined but he was very happy with the weekend's outcome.

"It was tough," he said. "I wanted to be out there helping out the guys. But no matter where I was, it was a great weekend." Helm said he'll probably be out for two or three weeks, but hopes to be back on the field to go up against Sacramento State and UCCLA in early November.

Haynes' injury wasn't as severe as Helm's, according to assistant coach Glenn Frame. Haynes is doubtful for this weekend's matches, but hopes to have him back to play Sacramento State on Nov. 6.

Lange said these last two games were major hurdles, but there are more challenges to come.

"This was probably our toughest weekend," he said. "But we still have some tough games, like Fullerton and UCCLA." The team plays at Cal State Fullerton on Friday.

Gartner said he's extremely pleased with the outcome of the weekend.

"We all feel great," he said. "The guys did a fantastic job. They won in great fashion."

SOPHOMORE, JUNIOR AND SENIOR PRE-MEDICAL STUDENTS!
Begin your preparation now for the Medical College Admission Test (MCAT)
Full-Length Practice MCAT Saturday, November 7, 1998
To help Cal Poly students prepare for the MCAT, the Health Professions Peer Advisors and the Health Professions Resource Committee sponsor a series of full-length practice MCAT's. Tests are full-length practice tests produced by the Association of American Medical Colleges.

• Prepare for MCAT
• Faculty feedback on scores
• Scores will be confidential

To sign up and receive specific information, contact: Health Professions Peer Advisors, 1st floor hallway of Fisher Hall, Bldg. 33, phone: 756-6510. Or, Ursula Bishop, Bldg. 53-219, phone: 756-2840.

Students must sign up for November test by Friday, October 30.

WOODSTOCK'S Pizza heaps on the toppings...

WOOSTOCK'S Pizza is loaded with the best toppings.

CALL 756-1143
549-9332
for delivery.

1001 Mission St. 542-4947
549-9332
for delivery.

$10/$. hr. Apply on campus at CADRC, bldg 117-7, 756-2673.
Please also email resume to office@cadrc.calpoly.edu

CLASSIFIED ADVERTISING
Classified Advertising

Graphic Arts Building, Room 226 Cal Poly, San Luis Obispo, CA 93407 (805) 756-1143
SPORTS

Mustangs upset Stanford

By Jen Stevenson

Cal Poly men's soccer triumphed this weekend with wins over UC Berkeley and Stanford. The wins propelled the team two steps closer to the NCAA championships.

The team is tied for first place (3-1, 8-4-2) in the Mountain Pacific Sports Federation despite several key players being injured this weekend.

The Mustangs lost junior midfielder Rob Helm 15 minutes into the Berkeley game due to a sprained ankle. Helm remained on the sidelines for Sunday night's game as well, sporting a pair of crutches.

Head coach Wolfgang Garner said Helm's absence was a hardship for the team, as was the loss of leading scorer Martin Hueses to an identical injury in the Stanford game.

Junior midfielder Brian Lange stepped up with his play.

“We lost Rob, then we lost Martin; people were dropping like flies,” he said. “It was tough, but we were able to deal with it.”

Sunday night’s game against Stanford was a difficult win for the Mustangs.

“It was a tough game, there weren’t a lot of chances for either team to score,” said Lange, who scored the only goal in the game on a penalty kick five minutes into the second half. “Stanford is a really strong team, but I thought we played them really well.”

Freshman forward John Commins said Cal Poly's victory was well deserved.

“On paper, Stanford looks better than us,” he said. “But we played harder than them; we played really well.”

Goalie Brenton Lunge rocked the crowd with repeated saves as the Mustangs played great defense against Stanford to keep the score at 1-0 for the win.

The Mustangs led the match 28 minutes a man down. Defender Jacob Mosely was ejected after receiving his second yellow card of the game.

TRIPPED UP: No. 2 Brian Lange scored a goal Friday. On Sunday against No. 8 Stanford he scored the only goal on a penalty kick in the second half.

The ejection means Mosely will not play in their next game against Cal State Fullerton.

Garner said he thought the team’s win against Stanford was aided by the momentum Friday night's exciting win gave the Mustangs. Commins agreed.

“It definitely helped with our confidence,” he said.

On Friday night against Berkeley, Commins was the Mustangs’ star player, scoring two goals including the game-winning shot which broke a 2-2 tie in overtime.

The Mustangs faltered in the first half, allowing Cal forward John MacDonald to score seven minutes into the game, giving the Bears a 1-0 lead.

The Bears continued to play aggressively, and MacDonald scored again with less than three minutes left in the first half, pushing the score to 2-0.

Despite the slow start, Cal Poly came back with a vengeance in the second half, taking the game back from the Bears. The audience of 505 saw the Mustangs stand at 16-5 overall, and 6-4 in Big West play.

By Jen Stevenson Mustang Daily

It was a bittersweet weekend for the women’s volleyball team as it defeated Utah State on Friday night but lost all three games Saturday to the University of Nevada.

At the end of this weekend, the Mustangs stand at 16-5 overall and 6-4 in Big West play.

Kari DeSoto set career highs against Utah State with 24 kills and 18 digs. She also added six blocks in the match. Melissa Pierce also played impressively with 18 kills and 17 digs.

Melanie Hathaway, who had 14 kills and 14 digs, said Utah State was a challenging opponent.

“All overall it was a pretty good match,” Hathaway said. “Utah played very well, but we were a better team and we played with more heart, and in the end we came out on top.”

See UPSET, page 7

By Joe Nolan

Joe Nolan

The scene will be the NFL's championship. The Mustangs will be across the field from Los Angeles and team unhappy with its stadium

Please submit answer to "ESPN" stand tor? as if you were reading it naturally.