Walking machine strolls in fourth

Poly students go to Maryland for national competition

By Karen N. Smyth

Two Cal Poly engineering students recently won fourth place in the Seconnd Annual Walking Machine Decathlon, a national contest held at the University of Maryland.

For the contest, mechanical engineering senior Erik Christensen, and Mike Ivey, a senior in electronic engineering, designed and constructed a six-legged machine. Christensen and Ivey's team was the smallest in the contest. Nonetheless, they six-legged machine. Christensen and Ivey's team was the smallest in the contest. Nonetheless, they put their machine up against walking machines that were built by teams of five to 25 members from schools such as University of Colorado, University of Maryland, Ohio and Pennsylvania State.

"Most schools used the walking machine as part of a senior design class that lasted a year," Christensen said.

He and Ivey, however, built the machine for their senior projects and took a few weeks.

"We just did it on our own," Christensen said.

Christensen said he had heard of the contest during winter quarter and then began to put a lot of thought into the design, using his interest in robotics and his experience working in the Cal Poly machine shop. He called upon Ivey to figure out the electronic aspects of his design. Ivey said he thought Christensen's project was a great idea and saw it as a real challenge to round out his Cal Poly education and put everything he had learned to work.

Christensen and Ivey's machine worked off a battery like that of a boat and moved itself by the three legs that lift up, swivel forward, and set down in an alternating action with three other legs. Christensen and Ivey spent more than $500 each, as well as hundreds of working hours in the Cal Poly aeronautical engineering hangar to complete the project.

Despite all of their work, the two came very close to not competing. Ivey said that it wasn't until the night before their flight from San Francisco en route to the competition that their walking machine was finally able to do something very important — walk. Christensen said that the two stayed up all night trying to figure out the problem.

Hysen only supervisor candidate supporting oil, water measures

By Meda Freeman

With the June 7 elections drawing near, county supervi­sorial candidates had a chance Thursday night to discuss issues such as offshore oil and water management in a forum spon­sored by the San Luis Obispo League of Women Voters.

All but one candidate for the 5th District, which includes most of San Luis Obispo, were oppos­ed to the passage of Measures A, B and C, Shell Oil's San Miguel Project, and agreed the county government should exercise local control over oil companies.

Incumbent Carl Hysen agreed with the measures, saying the county will be better able to regulate the offshore oil facility by allowing Shell to have the on­shore facility on the San Luis Obispo coast. The county would have more voice in the operation of the offshore processing plant because it would be within the county's jurisdiction, even though the offshore unit would remain outside the county's 3- mile limit. He also said that if the county didn't allow the process­ing unit onshore, the danger of oil spills would be greater.

However, other candidates disagreed. Dave Biskely said that consumers do not need the county's offshore oil at this time, and it shouldn't be touched until environmental problems can be worked out. Melanie Billig agreed. "The county depends heavily on its clean environment for economic reasons," she said.

Christensen added, "There definitely is such a thing as local control, and I would urge voters to vote against Measures A, B and C."

The majority of the candidates also agreed that the State Water Project, which would import water to the county from outside areas, is not the solution to the county's future water needs.

"We need to emphasize local projects that we have control over," said Billig. "There are a whole variety of those projects from groundwater to increasing the existing reservoirs and facil­i­ties that we have, as well as building new facilities."

Hysen only supervisor candidate supporting oil, water measures

By John Alexiou

"All people are not equal," was the message to under­represented high school and transfer students from a Cal Poly administrator last week.

Everett Martinez, associate director of Student Academic Services (SAS), wasn't making a value statement that some people are superior to others, but was making a point: All people are not the same.

"As far as the soul, as far as the mind, we are all equal — we're all brothers and sisters," said Martinez. "As far as what's output, as far as what's projected, we may be different. Our biggest enemy is other people's wrong perception of our own potential."

Martinez, the keynote speaker for the SAS fourth annual counselors' conference in Chumash Auditorium, was addressing the issues of racism and educational equality with help from a panel of Cal Poly minority students and alumni.

"If you look around here, people are not equal to what is out there in the university," said Martinez. "What's out there are mostly white faces."

The theme of the conference, "Today for Tomorrow," gave the SAS both minority students and counselors first-hand information about what it takes to get into Cal Poly, stay in and graduate.

Walter Harris, an admissions counselor and outreach repre­sentative, could not emphasize enough how important it is for new students to prepare themselves for college before they actually fill out admis­sions applications.

"We are not going to ask questions," he said, "such as 'what should I be doing at junior col­lege?'"

A student from Monterey Community College said, "I felt like I wanted one-and-a-half" See COUNSELORS, page 3

Directors approve $90,000 ag budget

By Shelly Head

A $90,000 budget for the School of Agriculture and a mo­tion to upgrade the Cal Poly Foundation's computer system were both approved at a meeting of the Foundation Board of Directors Friday.

Two seats for the 1988-91 term on the Foundation Board were also filled Friday.

According to the School of Agriculture and Natural Resources' sheet of capital outlay requests for the 1989-90 school year, the approved $90,000 budget will cover the following projects: a new beef breeding stock for the dairy science department; an Angus bull, Shorthorn bull and three commercial bulls for the beef unit; a Suffolk ram and Wether sire for the sheep unit; a Hampshire boar, Yorkshire boar, Duroc or Chester boar, three Hampshire gilts and three Yorkshire gilts; a thoroughbred stallion for the horse unit; and a pellet conveyor for the feedmill unit.

Dick Birkett, farm manager for the School of Agriculture, said the use of the entire $90,000 will probably not be necessary because, "... generally what the guys (the project directors in the various agriculture departments) do is they'll put a fairly good-sized figure in (the proposed budget) and then scrap like crazy to make sure they get it bought for less money, so I think what you see (in the proposed budget) will probably not reflect the actual amount spent."

At the April 15 Foundation meeting, the board held a lengthy discussion about a proposal by Al Amaral and Don Shemenske to upgrade the Foundation's "out­dated" computer system.

At Friday's meeting, the board approved the proposal without discussion to upgrade the Foun­dation's computer system from the Hewlett-Packard series 70 to the Hewlett-Packard series 70, which has twice the power of the 58.

Shemenske said at the April 15 meeting, "... would be the biggest jump we've (the Foundation) ever made ... it's twice the machine that we have now, we can have twice as many users and that's important."

Shemenske said that "one of the major reasons for the upgrade is to be able to accommodate oil, water merchandising systems, which is a massive area that we've had (faced by Frank Crum) upon his June graduation.

SAS director addresses Poly minority problems
Looking for the good in everyone

Floyd Jones is editor of Mustang Daily.

**SECOND OPINION

THE CHRISTIAN SCIENCE MONITOR**

On Jesse Jackson: The candidate's often controversial policy ideas and his willingness to take on controversial issues have garnered him a significant following. But the hate of those who think him too radical or too extreme is matched by the admiration of those who see him as a champion for the underdog.

Along with the admiration has come the enmity of a few who think they can't tolerate the thought of a black reaching for the top. This should not surprise us. But the hate of those few, whether in a rural enclave in Missouri or elsewhere, has to be countered by the fact-mindedness of the many.

**San Francisco Chronicle**

On teen-age pregnancy: Popular misconceptions about teen-age pregnancy, including the notion it preponderantly affects poor minority girls in urban areas, are dispelled in a new report by the Children's Defense Fund in Washington, D.C.

Actually, the study, 2/3 of the adolescents who give birth each year are white, 2/3 live outside of big cities and 2/3 are from families with below-poverty incomes.

With the new figures showing that premarital sexual activity among teen-agers has risen appreciably, the problem of adolescent pregnancy continues to demand a priority among the country's public health issues.

**Letters to the Editor**

Alley must be opened for profit

Editor — This letter is in response to the article on the bowling alley and fee increase. U.U. management is pinning hopes for the future on what they think of nothing but video games and the inside of their pockets.

Despite the insight, everyone still sneered and threw spitballs at the fat kid. The counselors should know that bowlers are people. See if you think so. They might want to accept payments from the U.U. in the future, so they might want to be able to defend themselves, which makes it okay to glee in disliking. Everybody knows somebody whose back is staved in daily conversation. It's fun to do so. Concretely, it could compete for the title of America's favorite pastime.

When the odd man out walks in the room: "Hey buddy, shake my hand!"

This shows that we are willing to count body hairs and spiking punch, the goodwill impossible. Few will revere the facts. People tease others to feel superior; they see faults in others that they think are true, because they are made up by others on the other person; they do it to gain friends, to be accepted by others on the well-worn path.

As a student, I wonder if they were taught to hate turned into a good friend? How many people can, then, are potential friends? Somebody must like them, even if it's just their friends. There must be one decent quality there. And if others are there is one more, too.

Anyhow, for my two cents, here is a quote from a prominent person. I think this shows the mentalities of many people. In our society:

"Dispensing with everything, once you are done with something, you are supposed to throw it away. Slowly, we are learning that we cannot do this because eventually we will run out of resources. Instead, we should think of everything as being reusable, that's why someone would throw away newspapers and throwing away things away. As students, we can help change this by demanding, the sooner the bowling alley is opened, the sooner we will be a source of revenue for the U.U."

**The New York Times**

On a civic work corps: Can a generally prosperous America at peace with the world be roused to service, sacrifice and civic obligation? The Democratic Leadership Council thinks so and has offered a plan of national youth service programs under a common conceptual umbrella. That ought to make sense even to a prosperous, satisfied America.

**BLOOM COUNTY**

by Berke Breathed

[Comics strip not transcribed due to its visual nature]
Fresno prof will have 8-week trial for chain-saw murder

LOS ANGELES (AP) — It will take up to two months to complete the trial of a professor accused of the chain-saw murder of a teen-age male prostitute whose body parts were scattered across the state, potential jurors were told Monday.

Max Bernard Franz, 58, who taught political science at Fresno State University but maintained an apartment in West Hollywood, has denied killing the 18-year-old runaway, blaming a man who has never been found.

"We have now begun the case of the people of California vs. Max Bernard Franz," Superior Court Judge John H. Reid told a panel of 70 prospective jurors.

The judge informed the panelists that Franz's trial could last as long as eight weeks. About half of the prospects were excused for hardship reasons, primarily because their employers would not pay their salaries for such a long trial.

Those who remained were given a questionnaire to fill out about their exposure to publicity on the case.

COUNSELORS

From page 1

half years because most of my classes transferred (to Cal Poly) as electives."

Because of the competition at Cal Poly, Harris urged all new students to not put off the courses they could have taken elsewhere, to make certain each course is articulated here and, for technical majors, to make sure

they have taken physics and
calculation. Articulation is an agreement with another school for specific course credit.

Although academic require­ments were a major issue during the panel discussion, visiting students were just as interested in what it's like to go to Cal Poly on a social level.

"You kind of have to realize that people don't want to associate with you unless you have something to bring to them," said Craig Atkinson, an under-represented student at Cal Poly.

During one of his first classes at Cal Poly, Atkinson said he made friends a lot quicker soon after a teacher announced how they would be used in lab assignments.

"You have to be a little bit better or a little bit stronger than the people around you," he said. "Then if you are, people feel that."

"Then if you are, people feel that, and it opens doors for you." said Craig Atkinson, a Cal Poly graduate who now works as a city planner in Santa Maria, urged under-represented students to "get in there, be motivated, and participate."

Although he started his first job in Atascadero, where he was practically the only black person in the entire city, Shoals said it didn't stop him from reaching the success he has now.

"Don't let yourself rest on the fact: 'Well, hey I'm black and I'm disadvantaged.' It will never make you stronger," he said.

Hispanic Paul Montoya, a third-year electronics engineering major, summed up the general feeling of the panel by giving students some worthwhile advice: "Follow what you're interested in and don't ever be afraid to be challenged."

Hey you, shut up and stop crying around. It's not like you'll starve if you don't get the classes."

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“The Celebration of Memories”

Sights of the weekend’s event (clockwise from upper left): a mariachi band; winners of the children’s costume contest at the Business Improvement Association breakfast Friday morning; full-blooded Chumash Indians sign the Lord’s Prayer Friday morning; La Fiesta queen Kelly McCay with princesses Claire Elliott and Heidi Garcia Friday; contestants in the Whiskerino (a two-month whisker growing) Contest at Farmer’s Market; SLO High School’s marching band in Saturday morning’s parade; queen Kelly McCay and her court during the parade.

Photos by Lara Cartwright
Poly Wheelmen settle for third at national meet

By John Alexiou

The Cal Poly Wheelmen, who hosted the event, finished third overall with 295 points, following second-place University of Colorado, with 504 points. Teams from 36 colleges and universities across the country participated in the two-day event, which started with the Creston Road Race on Saturday, continued with a team time trial Sunday morning, and culminated with the criterium on the Cal Poly campus Sunday afternoon.

Mark Wiseman of U.C. San Diego won the criterium for the men while Heather Shepherd of U.C. Berkeley won the women's event.

The University of Colorado's team placed sixth overall with a 21.16 differential. The men placed seventh overall, with a 17.34 differential.

Sunday's race against the clock, held under overcast skies at Cuesta College, gave the racers a little relief from the heat they experienced at the road race the day before, but back-to-back competition was draining for some members of the five-man A team.

Enzerink said he and Anderson were the "freshest" on the team because they had dropped out early during the road race the day before. Enzerink went out with a flat tire while Anderson felt the effects of heat stroke and dropped also.

This left both of them in good shape for the time trial, allowing teammate Sheldon Smith to make a last-ditch effort to pull both of them along during the last part of the course with Guinasso in pursuit.

"Sheldon took a couple real hard pulls going into the wind..." said Enzerink. "He powered us through the last section knowing that would leave the three of us to come over the line." The University of Colorado took first, while the University of Missouri and U.C.S.B. placed second and third, respectively.

United States Cycling Federation officials were stagging each of the teams in two-minute intervals, stopping the clock when the third rider crossed the finish line after completing approximately a 10-mile loop.

The women's team, which took fifth overall, was disappointed with its time because team members felt there was a See WHEELMEN, back page

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From page 1

and were still working on the machine in their Maryland hotel room.

The two also were faced with a series of setbacks at the airport. Their travel agent told them they could bring the 270-pound machine on the plane with them by buying an extra passenger seat. This idea was refused, however, at the airport ticket desk. Working with little time, they were forced to disassemble the machine. By the time the plane departed, Ivey said, the plane's kennel was taken away. The machine consisted of 10 progressive levels of performance. Each level was worth 1,000 points. A task was given for each level and the performance of the machine was judged on the best time of two attempts to complete the task. Tasks included walking straight, turning and walking up a staircase. The first five levels allowed for the machine to be controlled by a control or tether. The last five required the machine to work autonomously. No team reached the 10th level. Christensen and Ivey's machine reached the fourth.

Ivey said that the other schools appreciated his and Christensen's presence at the contest. "They thought we were pretty awesome," he said. Ivey said that a member of the University of Maryland team told him and Christensen that the two should get a special award: "Just for having only two guys.'"

The forum was taped at the KSBY television studio and moderated by news anchor Cory Warren.

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