

Protesters picket Herman's office

Seek change of divestment position

By KARL HOKE
Collegian Staff Writer

Thirteen supporters of legislation that would pull all state monies from South Africa picketed yesterday outside state Rep. Lynn Herman's office and called on him to reverse his position against divestment.

Many of the protesters said they were picketing because of Herman's opposition last Monday to an amendment which would have prohibited new South African related investments from a state employees' retirement union. They also said they were there to draw attention to stronger legislation being considered this week.

"He's taking the old myths that he's fighting for their money by opposing divestment," said Travis Parchman, vice president of the Committee for Justice in South Africa.

Herman, R-Centre, said he voted against that amendment because a second amendment was offered which would allow the

employees union to make future investment decisions involving U.S. corporations in South Africa.

"I voted against the first amendment because I wanted to vote for the second," Herman said.

Herman said he opposes divestment as a means of bringing an end to apartheid because experts on the issue have told him that it is the wrong approach.

But another protester, former Undergraduate Student Government president Matt Baker, said he is encouraged by the statements of Governor Casey and Education Secretary Thomas Gilhool in support of divestment.

"The combination of political pressure and events in South Africa are causing a lot of people to re-examine their position on continued investments in South Africa," Baker said.

One of several younger picketers was 13-year-old Matt Ziegler.

"I've been to some of the other protests up at Old Main," he said, adding, "I'm concerned about the issue."



Collegian Photo / Anne-Marie Rooks

Members of the Committee for Justice in South Africa and the Pennsylvania Public Interest Coalition march with a protest sign in front of the district office of state Representative Lynn Herman yesterday. Thirteen people took part in the demonstration to persuade Herman to reverse his position on recent legislation concerning state monies in South Africa.

Heatwave Plains, East suffer through record highs

By ROGER PETERSON
Associated Press Writer

Power companies strained, schools closed early and soldiers fainted yesterday as heat waves brought more temperatures in the high 90s to the Plains and East Coast.

But in between a cool front took the sting out of the searing air across the Upper Midwest and Great Lakes after a weekend of highs around 100.

Manhattan, Kan., hit 100 degrees by early afternoon while thermometers in the normally hot desert Southwest touched 103 at Tucson and Phoenix, Ariz., the hottest in the nation.

Oklahoma was expected to get up to as high as 101 degrees. "It's a little above normal, but it's nothing to get excited about," said Larry Mooney, deputy meteorologist at the National Weather Service office in Norman. "It's summer . . . Nothing really unusual as far as Oklahoma is concerned."

Along the East Coast, Baltimore hit a record 99. Pomona, N.J., near Atlantic City, hit a record high for the date of 92. It was 94 in New York City, two degrees shy of the record for the date.

Some people may have preferred to have been in Alaska, where Nome, near the Bering Strait, had a record low Monday of 27 degrees. Or maybe in the Sierra Nevada range near Reno, Nev., where 3 inches of snow fell Monday morning atop Mount Rose, the National Weather Service said.

The Midwest got a break when a weak cold front slid southward during the night and stretched from northern Missouri across northern Indiana and northern Ohio. Temperatures north of that line were expected to be only in the 80s with lower humidity, the National Weather Service said.

Burlington, Iowa, reached only 89 Monday after topping out Saturday and Sunday at 101. The downtown Steamboat Senior Citizen Center offered an air-conditioned respite for older residents, but yesterday's turnout was about average for a weekday.

Downtown Detroit got to 88, compared to Sunday's 93, but about 2,500 state workers were sent home early when a broken air conditioner sent temperatures soaring above 95 in a state office building, said spokeswoman Ellen Jones.

Around the western end of the front, hot air bulged northward into Montana, with Billings reaching a record 93. That warmth also spilled into western North Dakota, where Williston tied its record of 98.

Lyle Alexander, a meteorologist at the National Severe Storms Center in Kansas City, Mo., said the hot air remaining over the central and southern Plains was forced into the area by an upper level high pressure zone that's "not going to move a great deal."

"There's no indication of it moving east. It's going to be concentrated over the central and southern Plains . . . where it will be for the next several days," he said.

But sticky weather persisted in the East, where several members of a military honor guard collapsed from the heat at Fort Myer, Va., during a retirement ceremony for Marine Commandant Gen. P.X. Kelley and Gen. John A. Wickham, Army chief of staff.

Connecticut's two largest electric utilities operated at full capacity and spokesman Emmanuel Forde said Northeast Utilities might have to buy electricity from outside the state or reduce service to large industrial customers.



Collegian Photo / Crisly Rickard

Taking the plunge

Here's one student who's really diving into summer and beating the heat and humidity at the same time, as he catches a brief aerial view of the outdoor pool yesterday afternoon.

Prof studies skills for long space trips

By CHRISTINE KILGORE
Collegian Science Writer

It's the year 2030. Astronauts are nearing the end of their 40 million-mile trip to Mars when a component of the spacecraft's system fails. Faced with life or death decisions to make in a matter of seconds, the astronauts must apply crucial skills they learned during years of previous astronaut training.

Can they do it? Will the astronauts remember the skills they learned over a year ago? Will they make the best decision?

According to a University professor of engineering, astronauts on future flights to Mars or other long-duration space missions may have trouble remembering critical skills they learned in previous training sessions.

Joseph H. Goldberg, assistant professor of industrial engineering, is investigating the requirements of pre-flight training for space missions — an area that hasn't commonly been studied.

science profile

Through his second summer faculty fellowship at NASA's Advanced Programs Office and Training Division at the Johnson

Space Center in Clear Lake, Texas, Goldberg is participating in the astronaut training session himself in order to recommend training methods to NASA.

"I'm stressing that we have to model how well skills are maintained over long periods of time," he said. "We can base the amount of training one should receive on the mental workload, or the amount of information we process in a given time." Goldberg's fellowship was administered by the American Society for Engineering Education.

"We need projects that last two years, although such long-term projects are rare," he said. "Now, I'm looking at shorter-term problems."

"The shuttle, for instance, has a back-up flight system — a type of emergency system kept in one of several computer systems and used to take over control of the spacecraft."

"Astronauts must remember when and how to press the button correctly. They might have 10 seconds to make that decision or else the shuttle could blow up — it's a high-pressure (decision) and the training for the situation hasn't been well mapped out," he said.

Crew activities that require keen skill retention include not only emergency reactions, but overall spacecraft control and Please see SPACE, Page 3.

Students battle police in and around Seoul

By M.H. AHN
Associated Press Writer

SEOUL, South Korea — Thousands of students hurling firebombs and rocks poured into the streets to battle riot police in at least seven cities yesterday, and new clashes were reported around Seoul's Roman Catholic cathedral.

Fighting broke out at universities in Seoul and at least five provincial cities as riot police fired thousands of tear gas rounds and sent in armored cars to try and hold the students back. Protesters rushed to within a few yards of police lines to throw firebombs, rocks and bricks.

"Destroy the dictator!," the students chanted again and again. Scores of people were injured in yesterday's protests. The government has issued no figures on those hurt in the repeated clashes.

Fierce protests began last Wednesday when opposition groups launched a drive aimed at toppling President Chun Doo-hwan and forcing democratic elections.

At Yonsei University in Seoul, 5,000 students attended a rally and then about 3,000 of them tried to charge the school gate to take to the street. Police tear gas turned them back, but about 200 fought through to a nearby university hospital to defy police. Some students raced to a railroad

track, where they hurled rocks and forced some trains to halt briefly.

The students seized equipment from police. At one point they turned fire hoses on officers, Associated Press correspondent Paul Shin reported from the scene.

Clashes broke out around Seoul's Myongdong Cathedral as police tear-gassed and charged thousands of people demonstrating against the government. The clashes continued even after radical students gave up their five-day occupation of the cathedral compound.

Yonhap, the Korean news agency, said 60,000 students took part in anti-government rallies at 45 schools nationwide, but did not say how many developed into battles with authorities. Clashes were reported in Pusan, Suwon, Chonan, Chinju, Incheon and Chonju.

At least 13,000 students fought riot police at universities in Seoul, witnesses and other sources said. Hundreds of people were seen aiding the students.

Clashes took place for a sixth day around Myongdong Cathedral as thousands of people, including many office workers in suits and dresses, chanted, "We want democracy!"

Officers hurled tear gas grenades and special martial arts squads charged into crowds numbering up to 10,000 at a time.

Pa., nearby states to hold conference

MARTINSBURG, W.Va. (AP) — Issues ranging from drug dealing to petnapping will be on the agenda when legislators from West Virginia, Pennsylvania, Maryland and Virginia discuss mutual problems at a conference next month.

"Interstate 81 ties us all together. We see a lot of similar issues," said Del. John Overington, a Republican who represents Berkeley and Jefferson counties in West Virginia. The other three delegates scheduled to attend the meeting July 29-30 are Terry Punt of Pennsylvania and Don Munson of Maryland, both Republicans, and Democrat Al Smith of Virginia.

Overington said I-81 provides easy access to the four states and helps economic development, but it also can cause trouble.

He gave the example of wiretap laws in suspected drug cases to show how cooperation helps. Surrounding states,

he said, already had such laws, but West Virginia did not. That, he said, only encouraged drug dealers to operate in the Eastern Panhandle and then distribute their wares in nearby states.

The West Virginia Legislature this year passed a bill permitting police to tap telephone lines with court approval.

Although the exact agenda for the four-state conference has not yet been set, Overington said he expects the delegates to discuss drug trafficking, petnapping, waste disposal, tourism and gypsy moth control.

Overington said motorists on I-81 have no trouble seeing the differences between the four states.

"You can't have a radar detector in Virginia, in West Virginia it's OK to travel 65, in Maryland you have to slow down to 55 and fasten your seatbelt, then in Pennsylvania you can unbuckle your seatbelt again," he said.

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inside

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weather

This afternoon, mostly sunny and not quite as humid as yesterday, high 85. Tonight it will be mild, low 60. Tomorrow, mostly sunny and warmer, high 87.
.....Roberta DiPasquale