

Bindery

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Rain this morning changing to
showers tonight. High today 57.
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the daily Barometer

Monday

Oregon State University, Corvallis, Oregon

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May 5, 1986

OSU reactor differs from Soviets' Chernobyl plant

By DOUGLAS CRIST
of the Barometer

OSU is safe from the possibility of a meltdown of its own nuclear reactor, according to an associate professor of nuclear engineering who works with the reactor.

In the wake of last week's nuclear mishap in the Soviet Union, Assistant Reactor Administrator Brian Dodd discussed the nature and uses of OSU's reactor.

"The purpose of a commercial reactor is to generate power," Dodd said. "Ours is research."

The TRIGA (Training Research and Isotope production, GA Technologies-produced) reactor sits in a cooling tank six-and-a-half feet in diameter and 20 feet deep, and operates at a power output level of one megawatt, as compared to the 1000 megawatt level at which commercial plants typically function.

Dodd said that the reactor, located in the Radiation Center on the west side of campus, is used for a variety of purposes by staff and graduate students in the department of nuclear engineering.

Such uses include the technique of Instrumental Neutron Activation Analysis, by which matter is irradiated and tested for elemental composition.

Dodd explained the inner workings of a reactor as a basis for understanding both the fail-safe nature of the OSU facility and possible causes of the Soviet nuclear accident.

According to Dodd, reactors produce power through the process of nuclear fission, by which neutrons are combined with uranium-235 atoms, causing the atoms to split and emit high amounts of energy.

"The concern with any reactor is the fact that the parts of the fission process, the fission products, are highly radioactive," Dodd said.

Consequently, the fuel elements need to be isolated within some type of metal encasement, or cladding.

Because of the extremely high temperatures reached during the reaction process, Dodd emphasized that the important consideration within the reactor is keeping the fuel elements cool, and that failure to do so may result in what is known as "meltdown."

"If you do not maintain cooling to the reactor, there is potential there, if you've got enough heat, to melt the cladding or the fuel elements themselves," Dodd said.

"When you do that," he con-



Photo by Doug Russell

Brian Dodd, associate professor of nuclear engineering and health physicist at the Radiation Center, stands on a catwalk leading to OSU's nuclear reactor. According to Dodd, the reactor is used strictly for research.

tinued, "you no longer have the integrity to keep those fission products contained. Some of the products are gasses, and some are very volatile materials."

This, said Dodd, is speculated to have been the nature of the mishap in the Soviet reactor near Kiev.

"It's almost anyone's guess, but that type of thing could have happened," he said.

Dodd also said that Soviet reactors are designed for graphite moderation, or slowing, of emitted neutrons, while American plants use water-moderation.

"Some would say that their design is inherently not as safe as others," Dodd said.

Dodd said that the design of the TRIGA reactor precludes most chance of a similar small-scale occurrence at the radiation center.

Speaking hypothetically of what he referred to as "the worst thing that could happen," Dodd said, "Assuming we're operating at full power, and for

some unknown reason we lose all of the water, the reactor would shut itself down."

Also, Dodd said the loss of water as coolant would not lead to a meltdown.

Because the fuel is encased in stainless-steel and reaches on-

ly relatively low temperatures, Dodd said "The fuel would sit there and get hot, and then cool down again. What we'd end up with is a lot of water on the floor."

In fact, the Radiation Center staff regularly experiments

with 'pulsing' the reactor, making it go to a critical output level.

During a pulse, Dodd said the reactor spontaneously reaches an output level of 3000 megawatts and shuts itself down again within eight

milliseconds, or 0.008 seconds.

According to Dodd, "That change-around is based solely on the design of this reactor."

"Even if we did nothing, the reactor would shut itself down," he said. "These are very, very safe reactors."

That's not the right way to treat a mom

By TODD LeMAY
of the Barometer

According to the Corvallis Police an unknown person is reported to have taken an early morning joy ride in a car rented by a visiting mom.

According to the report, David Watson, a member of Phi Gamma Delta fraternity on 348 N.W. 25th Street, was awoken Sunday morning by a fraternity brother to find that the '86 Cadillac DeVille his mother had rented had accumulated over \$1500 worth of damage during the night.

Marilyn Watson, who was visiting from California, rented the car from National Car Rentals in Eugene and used it to drive to Corvallis. Mrs. Watson left the car keys with her son, who told police that he had left the keys and his wallet and watch on a table or dresser in his room. Sunday morning the keys were missing, but were later found in David Watson's mailbox.

The car, which had been parked by David Watson in the house's parking lot, was discovered the next morning parked with one wheel on the sidewalk in a "no parking" spot adjacent to the alley next to the fraternity.

The right side of the Cadillac was splattered with mud and the wheels on the right side were bent in, the police report said, "apparently from hitting a hard object, like a curb." The car tire tracks showed that the car no longer tracked straight. The police estimated that there were about 24 miles on the odometer that the Watsons could not account for.

The police report said that a number of members of the fraternity stated that there have been a number of incidents in the past in which members' cars have been used without permission, and that they are anxious to discover who is doing it.

David Watson declined to comment on the incident.

World

Waldheim faces runoff in presidential election

VIENNA (UPI) — Kurt Waldheim, dogged by accusations of a hidden Nazi past, finished first in Austria's presidential election Sunday, but failed to capture enough votes to avoid a runoff — which analysts say will favor his opponent.

An unofficial tally showed 49.64 percent voted for Waldheim, an independent backed by the conservative Austrian Peoples Party, and 43.66 percent for Kurt Steyrer, the candidate of the governing Socialist Party.

One candidate must capture more than 50 percent of the vote to win outright in an Austrian election. Otherwise, the top two candidates enter a runoff, scheduled for June 8.

About 89 percent of the country's 5.4 million eligible voters went to the polls. The turnout was lower than in past presidential elections, partly because voting is no longer compulsory in five of Austria's nine provinces.

Environmental activist Freda Meissner-Blau got 5.5 percent of the vote and right-wing nationalist Oto Scrinzi 1.2 percent.

Shortly after the results were announced, a band at Peoples Party headquarters near Vienna's famous Opera House began blaring the song, "New York, New York."

Waldheim spent two terms as U.N. secretary-general in New York and the song was used in his campaign films. But the song may also have reminded some of allegations by the New York-based World Jewish Congress that Waldheim was hiding a Nazi past, although campaign officials denied it.

However, instead of ending the song with the traditional line, "It's up to you, New York, New York," the singer changed the line to "It's up to you, Austria."

He followed that with the song, "I'll Do It My

Way."

The Waldheim campaign has accused the Jewish organization of trying to interfere with Austrian politics. One of his campaign posters said, "We will vote for whom Austrians want."

Despite the gait at the Peoples Party headquarters, election watchers said Steyrer's chances were boosted by the need for a runoff.

Analysts said most of those who voted for Meissner-Blau will probably opt for the more liberal Steyrer, who had been steadily gaining in the polls before Sunday's election.

"I would like to thank all Austrians for the trust that they showed me through this impressive result," Waldheim said after the results were announced by Interior Minister Karl Blecha — one of his chief critics during the bitter five-month political campaign.

But the liberal Meissner-Blau appeared to be telling her supporters to vote for Steyrer.

"I am pretty sure that the people who sup-

ported me today know very well whom to elect on June 8," she said.

If Waldheim wins next month, he would be the first president not backed by the Socialists since the war. It is mainly a ceremonial post, but could become more influential with Waldheim holding it because of his international stature. It also could greatly influence the crucial general elections next year, political observers said.

The campaign, the most divisive since World War II, centered on revelations that Waldheim had hidden his wartime activities as a lieutenant in the German army.

Waldheim was stationed in the Balkans at a time when brutal reprisals were launched by the Germans against Yugoslav partisans and tens of thousands of Greek Jews were shipped to Polish death camps.

Waldheim has denied he knew of the deportation of Jews, but has said he was aware of the atrocities against partisans.

Afghan president resigns

NEW DELHI, India (UPI) — President Babrak Karmal, citing ill health, resigned Sunday as Afghanistan's chief communist official, six years after he was installed by the Soviet Union during its December 1979 invasion of Afghanistan, state-run Kabul Radio said.

The broadcast, monitored in New Delhi, said the resignation of Karmal as secretary general of the ruling People's Democratic Party of Afghanistan had been accepted.

The 57-year-old leader will stay on as president of the Revolutionary Council, the government of the Central Asian nation. The seat of power in Afghanistan, however, is the communist party.

Najibullah, former chief of Afghanistan's secret police and a member of the Communist Party Central Committee, was appointed as Karmal's successor, official Kabul radio said.

Kabul radio said Karmal stepped down "because of ill health" three days after it reported his return to Afghanistan from four weeks of treatment at a Soviet hospital.

Western diplomats said the chain-smoking Karmal, who was appointed president Dec. 29, 1979, three days after the Soviet Union invaded Afghanistan, has been suffering from a lung ailment.

Karmal invited more Soviet troops into the country to help his government fight Moslem guerrillas in a civil war that began when Soviet-trained Afghan military officers seized power in April 1978 and installed a communist government.

In recent months, Western diplomats have said that Karmal, who rose through the ranks of the Afghan Communist Party during the 1960s and

1970s, was losing favor with Moscow, which maintains 115,000 troops in Afghanistan.

Western diplomats speculated that Karmal's sudden retirement only two months after speaking at the Soviet Party Congress in Moscow could be a result of the Kremlin's dissatisfaction with the stalemated Afghan war.

Western diplomats generally believe the Soviet Union would like to withdraw its forces from Afghanistan, but they also believe it would only happen if a stable pro-Moscow regime controls Kabul.

Karmal, who was freed from prison during a 1978 coup that brought Nur Mohammed Taraki to power, seemed healthy when meeting with Western reporters during the Soviet Communist Party Congress in early March.

In Moscow Sunday, the official Soviet news agency Tass said only that the Central Committee of the Peoples Democratic Party of Afghanistan accepted his resignation as the party's general secretary for "health reasons."

The plenum thanked Karmal — a descendent of the rugged nation's Tajik tribesmen who first ran for a seat in Parliament at age 18 — for "his many years of work in the post of general secretary," Tass said.

Speculation as to the future of Karmal's role in Afghanistan was fueled in March when Karmal made an unofficial visit to Moscow, returning a month later after what was described as a series of "medical examinations."

Karmal's stay in the Soviet union kept him from anniversary celebrations of the April 27, 1978, communist takeover in Afghanistan and triggered rumors he had fallen from favor with Moscow or was seriously ill.

Radioactive cloud spreads

WASHINGTON (UPI) — The

radioactive cloud drifting from the fire-ravaged Soviet nuclear plant has spread halfway around the world, top American officials said Sunday, but it poses no threat to anyone in the United States.

Despite the absence of a direct danger, the officials renewed calls for the Soviet Union to reveal more details of the disaster at the atomic reactor in the Ukraine, and White House chief of staff Donald Regan accused the Kremlin of violating its "moral obligation" to "come clean" about the accident.

Harold Denton, a top Nuclear Regulatory Commission official dealing with the impact of the April 26 accident, said the atmospheric radiation from the burning graphite core of the Chernobyl reactor had drifted as far east as Japan — where President Reagan and other Western leaders are meeting for an economic summit — but is so diluted it poses no health threat there.

As for the United States, Denton said, "I don't think it's any

health hazard here."

Lee Thomas, administrator of the Environmental Protection Agency and head of a task force named by Reagan to study the accident, called the events at Chernobyl the "worst nuclear accident in history" and predicted the death toll will exceed the official Kremlin count.

Unconfirmed reports have put the death toll as high as 2,000 dead and thousands hospitalized with radiation sickness, but Moscow has said only two died and 197 were hurt. "Those figures will change" as time passes, Thomas said, noting the radiation levels within three miles of the plant were "lethal."

Denton and Regan appeared on NBC's "Meet the Press." Thomas commented in an interview on CBS's "Face the Nation."

Thomas said the latest information on the radioactive air mass shows it to be "dispersed widely over northern Europe, Scandinavia, the Soviet Union, Asia (and) Japan."

Asked if those under the

cloud are in danger, Thomas replied, "No. The levels of radioactivity that are being detected don't present a threat to public health."

Regan, who is with the president in Tokyo, continued the harsh U.S. attack on the Kremlin's tight-lipped response to the accident, which was confirmed last Monday after Scandinavian radiation monitors detected excessive levels of atomic particles.

"The way they've handled it is an outrage," Regan said. "We think that with over a third of the world's population directly affected by this accident, that they have a moral obligation to tell the world what's going on."

"And to try to stonewall it ... and let the rest of the world try to figure out whether they're in danger or not is beyond what civilized nations should do."

Denton cited another reason for concern over Moscow's mum attitude — a fuller understanding of the accident would help scientists better cope with the dangers of nuclear plant operations.

Nancy Reagan takes cruise on Chao Phraya River

BANGKOK, Thailand (UPI) — First lady Nancy Reagan took a river cruise Sunday protected by patrol boats, helicopters, troops and frogmen in what officials said was the largest security operation ever staged in Bangkok for a foreign dignitary.

A 1½ mile-stretch of the normally busy Chao Phraya River was closed to vessels while a small fleet of police and navy boats accompanied the cruise boat carrying Reagan, her delegation, security men and journalists from the glittering Grand Palace to the famed Oriental Hotel, rated one of the best in the world.

Reagan arrived in Thailand — her second visit since 1971 when her husband was governor of California — Saturday from Malaysia to promote her campaign against drug abuse by young people. She was to depart Monday to join the president in Tokyo.

The first lady boarded the Orchid Queen at a dock guarded by city police and heavily armed Thai navy police after touring the 60-acre palace compound, including the opulent Temple of the

Emerald Buddha, home of the holiest idol of Thailand's 47 million Buddhists.

Three high-speed patrol boats with sharpshooters aboard led the way to the hotel, while a gunboat — its main machine-gun turret manned — shielded one side of the first lady's vessel.

A patrol craft protected the other side of the Orchid Queen and others took up positions astern for the 25-minute cruise. At least two rubber rafts powered by outboard motors and carrying frogmen also accompanied the floatilla.

Three helicopters kept pace overhead while police on both banks watched crowds waving as the vessels moved briskly toward the hotel, where Reagan viewed an exhibit of Thailand's anti-drug programs and attended a lunch with Prime Minister Prem Tinsulonanda.

Reagan, wearing a dress of soft blue, tan and green checks, appeared briefly on deck for a picture session and waved at people

clustered on one bank in the humid weather.

Thai officials declined to say how many men were involved in the security operation, but said it was the largest ever staged in Bangkok for a foreign dignitary.

Veterans of the first lady's past foreign trips said they had never seen such extensive protection for her.

The security net was prompted by the fear of reprisals for U.S. air attacks on Libya. Thailand has about 1,000 Moslem extremists, many of them trained in Libya and Syria, local officials said.

Two bomb attacks on American targets preceded Reagan's visit.

On April 8, a device exploded at a Bangkok hotel where Defense Secretary Caspar Weinberger was scheduled to dine, wounding three people. A small bomb was thrown April 22 into a U.S. consulate compound in predominately Moslem southern Thailand, shattering windows but causing no injuries.

Campus

Byrne to visit China to establish foreign exchange

By DOUGLAS CRIST
of the Barometer

OSU President John Byrne will travel to China this month to establish an exchange program with the Fujian Province, China.

Byrne will head a 12-member delegation of education officials. The delegation will leave for China on May 18 and will tour the Fujian Province as the guests of the provincial government.

"This trip could be appropriately designated as a chancellor's return visit to China representing the state system of higher education," said James Manning, director of the International Trade and Commerce Institute at Portland State University.

Manning, who will also be a member of the delegation, said the purpose of the trip will be to promote the exchange of students and faculty members between the two nations.

"What we want to do is formalize an exchange program system to system," Manning said.

According to Manning, the delegation will formalize negotiations and sign an agreement with Fujian education officials concerning the conditions of an exchange and the number of students and faculty members to be involved.

Manning said the delegation would also seek to promote "cultural understanding and appreciation" between the two nations.

The trip came about as a result of a visit to Oregon by Fujian Governor Hu Ping, who was invited by Oregon State Board of Higher Education Chancellor William "Bud" Davis to send a delegation of Chinese education officials from his province to this state.

The offer was accepted, and shortly thereafter a Fujian delegation, led by ranking education official Madame Wong, toured the state as guests of the OSBE.

"As a return courtesy, they have invited an Oregon delegation to be their guests," Manning said.

The emissaries will leave for China on May 18, arriving in Shanghai on the 20th because of the day lost flying west over the international date line.

On the 21st, the delegates will begin their exposure to Chinese higher education with a tour of the Shanghai University and will then tour the Children's Palace.

The delegation will move on to the Fujian Province itself the next day where they will be attend a banquet with the Fujian Bureau of Higher Education.

The day of the 23rd will see the delegates tour Fuzhou University and the Fujian Teachers' University. In addition, they will tour the Pai-

jiang Market and attend a reception in their honor.

On May 24-25, the delegates will move by train from Fuzhou to Nan-Pin City, visiting the Fujian Agriculture and Forestry Colleges.

After three days of sightseeing and bus travel, the delegates will arrive in Xiamen to visit its university and sightsee at local attractions.

On May 30, a visit to the Jimie school-village will be followed by the first of two days' meetings with Fujian officials and the signing of the exchange agreements.

June 1 and 2 will be spent in Hong Kong at a meeting at the Institute of International Education. That conference will address recent developments in Asian higher education.

The delegates are scheduled to return to the United States on June 3, although President Byrne may return a day earlier.

Holocaust survivor to speak

By STACEY ROBERTSON
of the Barometer

A survivor of a Nazi death camp will relate his experiences tonight as part of Days of Remembrance of the Victims of the Holocaust, a nationally-designated week of remembrance that will be observed at OSU and Corvallis with speeches, movies and a candlelight vigil.

Bernard Offen, who was an inmate of Auschwitz and who lost part of his family there, is the featured speaker this week. His speech tonight, "We Have All Been Made Jews," will be accompanied by the video, "Liberator Dachau" at 7:30 in LaSall Stewart Center. Offen will also visit Corvallis High School today at 9:30 a.m. and Crescent Valley High at 11:30 Tuesday.

Also presented will be Offen's "The Work," an autobiographical multi-media presentation that chronicles the Holocaust, in which six million Jews lost their lives, and Offen's own experience in it. It will be shown on Liberty Cable TV channel 11 at 4 p.m. Monday through Thursday.

"Offen has spoken around the world about his experience of the Holocaust. We have also asked him to speak on revisionism," said Steve Sher, coordinator of the project.

According to Sher, revisionism is the neo-Nazi view of the Holocaust. The Institution of History, located in California, is just one group that espouses revisionism, claiming the Holocaust never occurred.

"Birthday cards and hate mail have been sent to

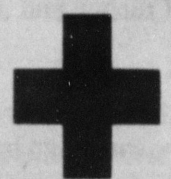
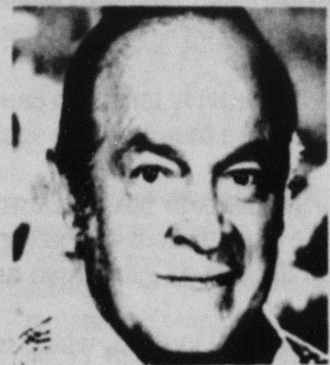
Holocaust survivors in the past few years. Hate mail has even been sent to some churches recognizing the Holocaust locally," Sher said.

Tuesday, a candlelight vigil will be held at Central Park at 8 p.m. to mark Yom Ha Shoah, the annual Holocaust Memorial Day. Sponsored by the Corvallis-based Citizens Against Discrimination, it will feature live music and speakers.

Thursday, the award-winning film "Genocide" will be shown at 7 p.m. in Kidder Hall, Room 202.

The week's activities are sponsored by Hillel Organization, Convocations and Lectures and the OSU Departments of History and Religious Studies. The activities are free to the public.

Bob Hope says:
"Red Cross can teach you first aid. And first aid can be a life saver."



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Opinion

Nuclear power: a miscalculated risk

It may not be possible to fool all of the people all of the time, but keeping enough of them fooled for long enough is sometimes all it takes.

According to a Wall Street Journal-NBC poll last week, 70 percent of all Americans believe that a nuclear disaster on the scale of last week's accident in the Soviet Union is at least "somewhat likely" to occur in the United States.

The figures are reminiscent of the near panic following the accident at Three Mile Island in 1979. Fear seems to spring eternal in the breast of the nuclear monster. Yet, despite such fears — or "irrational paranoia" as some would say — the illusion that nuclear power is a safe and reliable way to fuel our economy into the next century will undoubtedly continue.

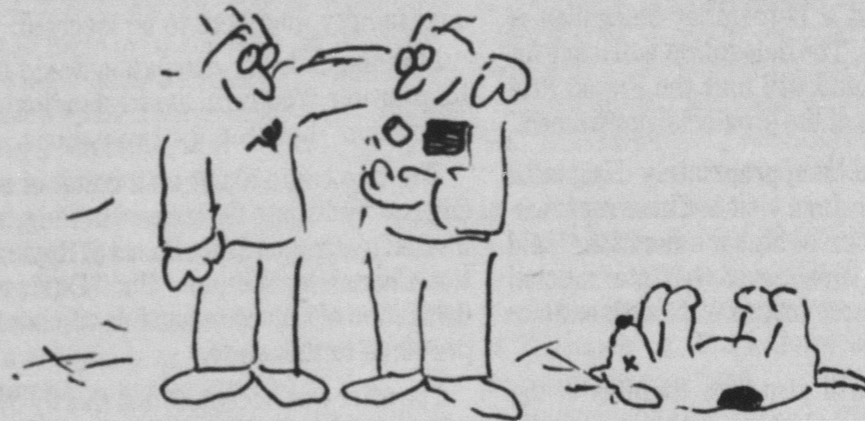
The efforts of the U.S. government and much of the press to strike a balance between the necessity to protect the nuclear industry from another uncomfortable debate on the question of safety, and the irresistible temptation to gloat over the failure of "socialist technology" provide a lesson in mass deception that should put

Soviet propaganda ministers to shame.

Nightly reports of thousands of irradiated corpses littering the Ukraine were carefully mixed with the soothing pronouncements of experts in government and industry that the superiority of American technology makes the likelihood of such an accident in the United States a practical impossibility. The message is subtle, but clear: The Chernobyl accident was not caused by the failure of nuclear technology, but was a failure of the Soviet system. It just couldn't happen here.

What the experts aren't saying is that the development of nuclear power has, from its inception, involved a trade off between unknown risks and known economic factors. It is revealing that some of those same experts fought long and hard against the very safety measures they now point to with such pride. If nuclear power is in fact a calculated risk, those calculations have largely attempted to weigh the public tolerance for fear against the profits to be made in an industry that could not survive without lavish government support.

PLUTONIUM IS ПЛЮТОНИЙ IS PLUTONIUM...



The Soviets, too, have made their own calculations.

Faced with a stagnating economy and the need to devote much of its resources to the expanding arms race with the United States, the Soviet Union simply chose to cut its nuclear power program a little closer to the bone. The Soviets are not nearly as adept at hiding the real costs of nuclear power as their American counterparts. Because all Soviet power facilities are owned by the state, a system of direct and indirect govern-

ment subsidies, like the one keeping America's nuclear industry afloat, is clearly out of the question.

The Chernobyl accident might be dismissed as a simple example of misplaced faith in technology. It might also be an example of the reckless disregard of the Soviet government for its neighbors and even its own citizens. But nuclear power is by its nature a technology of recklessness. If a crime was committed at Chernobyl, it is a crime that is being repeated everyday right here at home. (DP)

Big dreams, big money vie for governor's office

By DOUGLAS CRIST
of the Barometer.

It's a race again, folks.

That's right, just when it looked like Norma Paulus was going to pull away from the field, the latest poll comes out and sure enough, Neil Goldschmidt is right back in it at the front of the pack.

The poll, commissioned by the Oregonian, came out about a week ago, and it gives Nike-man 45 percent to Norma's 44, as opposed to the seven-point edge Paulus held last month.

Even darkhorse Ed Fadeley picked up some ground, up to 23 percent from his less-than-inspiring 15 in his primary race.

So with 15 days left until primary time, what are we to think? Is this a trend? Might the whole political scene fall victim to its own volatility and experience some sort of radical upheaval?

If it does, you'd best be ready.

Therefore, continuing the trend of informative, un-opinionated column writing (no more abuse for our readers, no sir), let's take a look at a pair of lesser known gubernatorial candidates who might just turn up in the next poll.

After all, it's more than just a three-horse race.

There are, in fact, six Republican candidates in addition to Norma Paulus. So given her precipitous drop in the polls, would it be all that surprising if Norma finds herself challenged by...Ben Kilpatrick?

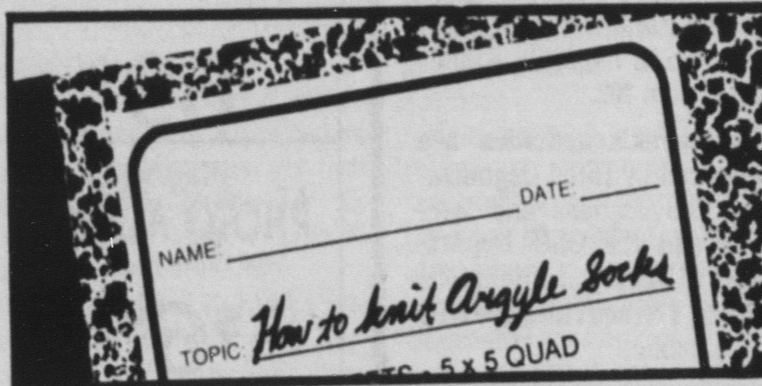
That's right, Ben Kilpatrick.

Barostaff

Patrick A. Forgey, Editor
James J. Blattner, Business Manager
Frank A. Ragulsky, Student Media Advisor
Phillip R. McClain, Composing Room Manager

Published under the authority of the Oregon State University Student Media Committee on behalf of the Associated Students of OSU.

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Hailing from the Grant's Pass area, Kilpatrick has worked in chrome mines, gold mines, bulb farms, commercial fishing, logging camps, sawmills, gas stations, and Tom Moyer Theaters.

Elected Jefferson County Commissioner in 1976, Kilpatrick fell victim to the fickle whims of his constituents, succumbing to a recall election after three years.

Kilpatrick filed for governor in November of last year to oppose Paulus, who he says "doesn't even know what party she's in."

"I feel now is the time for all of us in Oregon to work together," he says. "In order to have the freedom we all enjoy every day, it takes trust in God, eternal vigilance, and law and order."

An opponent of the sales tax, Kilpatrick says he supports "the taxpayers—NOT THE TAXPLAYERS." He advocates property tax incentives for businesses and tax relief for people on fixed incomes.

Kilpatrick is a staunch supporter of Oregon industry, calling for strict enforcement of off-shore fishing limits to foreign boats and a solution to the problem of cheap Canadian timber imports.

And in one of the more unusual promises the campaign has seen, Kilpatrick has promised to take an immediate \$17,000 pay cut if elected.

"I think the cuts should start at the top," he says.

But as Kilpatrick seeks to gain ground against Republican Paulus, Goldschmidt might just find his tenuous lead in the polls threatened by none other than George Thomas, owner of "The RV Doctor," a Portland sales and repair business.

Thomas has spent the past 30 years trying to build the better entrepreneurial mousetrap, starting his own auto-body, boat manufacturing, mining, ranching and construction businesses.

No stranger to politics at the local level, Thomas has been Clackamas County Democratic Precinct 564 Committeeperson since 1978.

Thomas is running on a mysterious development platform, which he doesn't want to reveal until after the primary so as to not "hand his primary opponents an advantage."

Thomas does say he would seek tax-relief for farmers and ranchers, reform the state's welfare system and improve state law enforcement.

In addition, Thomas promises to "always stay informed about ongoing investigations such as day-care centers, child abuse, retirement homes and restaurants."

These, then, are just two of the eleven relatively unknown candidates who shelled out the \$100 fee to assure themselves a spot on the May 20 primary ballot.

As could be expected, each platform seems to have its own idiosyncrasies, reflective of the diverse backgrounds of a group of individuals who think they could do at least as good a job as any of the big-money candidates.

And if you stop and think about our political system, which is closed to just about anyone without a lot of money and a name, they could be right.

More power to them.

NEXT WEEK: Can you judge a candidate by the soles of his shoes? Find out when "Argyle Socks" hits the campaign trail with Rick Bauman!

Fencing

There's a war in progress

To the Editor:

"Female Christian Roommate wanted" was written to help prevent the inevitable conflict between a believing and a non-believing roommate.

Roommates need mutual support to be happy together. A godly person will either convert an unbeliever or be abhorrent to her.

Those who fail to see this opposition will scoff, but the spiritual know there's a war in progress.

Ed Hoffman
Corvallis

Fine piece of journalism

To the Editor:

I would like to personally thank John Burt (Whatever happened to freedom of association? May 1) for his interpretation of the "Female Christian Roommate Wanted" notice that he discovered on the Kerr bulletin board. I, for one, gained significant insight from this fine piece of journalism.

All along I was thinking that the author of such a notice might simply be attempting to establish some common ground with her future roommate in order to make the arrangement more enjoyable for both parties. How foolish of me not to recognize the blatant bigotry involved.

Perhaps John could feature this as a regular part of his column in the future; it seems that many of us need a lesson or two in interpreting the notices posted within Kerr Library. Better yet, John could just screen all the notices to be posted for us so we wouldn't have to be bothered with reading his informative column.

One final note John, stereotyping is as inexcusable as bigotry. Your implication that Christians are "insecure Bible junkies" speaks for itself.

Shannon E. Sorenson
Junior in business

Keep Corvallis alive

To the Editor:

Register and vote! Majestic Theatre YES!

The historic Majestic Theatre remodeled and in full swing will add life and attractiveness to the Corvallis downtown area. It will provide enjoyment and enrichment to the town now and for years to come. Without the Majestic revitalized we have another closed-up business. Let's help keep Corvallis alive and well, while providing a fine showcase for local and regional talent. Vote "yes" on 53!

Shirley Byrne
Corvallis

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Jenny, Jenny, Jenny

To the Editor:

Last term when the students voted to eliminate mandatory funding for OSPIRG, Jenny Strasburger stated that students were confused by the measure's slanted wording, thinking voting 'yes' would keep mandatory funding and voting 'no' would eliminate funding. Jenny, Jenny, Jenny, I can read and understand the meaning, I knew that my 'yes' vote would eliminate mandatory funding.

This term OSPIRG supporters have changed their argument saying that by voting 'yes' students thought that OSPIRG would have both mandatory and voluntary funding.

Now I find out that OSPIRG has not applied to be put on the fall registration forms for voluntary funding. Is this because OSPIRG would not get enough support? According to an OSPIRG option survey about 66 percent of the students support OSPIRG (roughly in voluntary funding terms; \$1 per term of 66 percent of the student body is about \$10,000 per term).

Maybe we the students know what we want and OSPIRG, the Student Fees Committee and the ASOSU Senate should listen.

Tod Reinhart
Junior in information management systems

A waste of student fees

To the Editor:

Now Scott Boyd and his friends are screaming about the \$5,000 which the Student Fees Committee budgeted for OSPIRG for next year.

This is a 90 percent reduction of OSPIRG's present funding level. But no! A 90 percent reduction is not good enough. Scott Boyd wants to see OSPIRG dead.

Boyd and his friends would have you believe that next year's OSPIRG budget of \$5,000 (which works out to 12 cents per student per term) is a waste of student fees.

But to put this into perspective, consider this:

Scott Boyd collected enough signatures last term to force a special election on OSPIRG funding. The question was very vague, and had no explanatory material attached to it. Even Boyd's supporters admit the question was confusing. Voters didn't know if they were voting for or against OSPIRG by voting 'yes.'

This one-day special election, when you add up the administrators' and staff salaries, polling places, computer time, Barometer ads, etc., cost OSU students almost \$2,000.

It would have cost almost nothing if Boyd would have agreed to wait until the regular ASOSU elections to put his question on the ballot.

If Boyd is really concerned about wasting student fees, he ought to repay the student fees committee for the cost of the special election which he demanded.

Joe Yuska
Grad. student in agriculture

Majestic Theatre

To the Editor:

Unlike the situation in cities where all new construction or a major conversion has been required to make a civic theater for the performing arts out of something else, the Majestic Theatre was built for just such use. Once the electrical system and other features are brought up to code, it is ready to go.

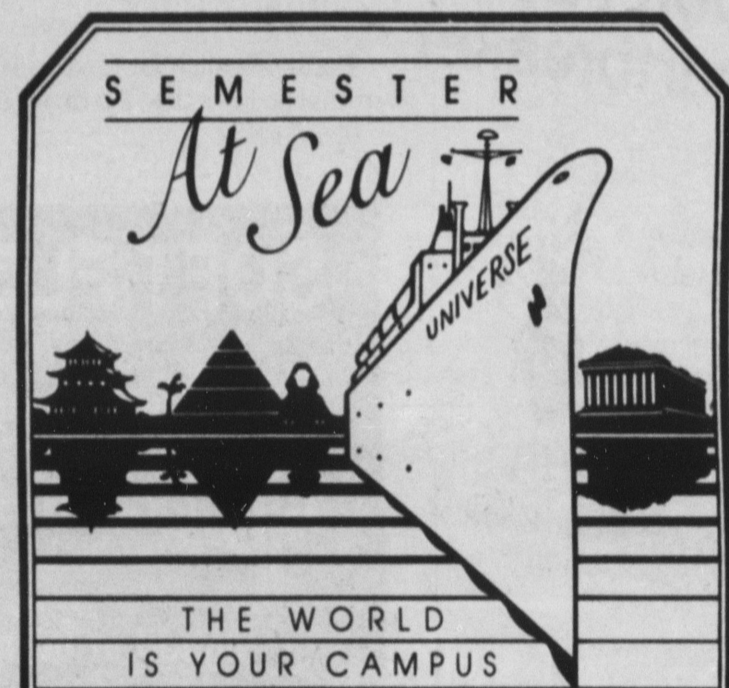
We have a marvelous start on the program. The theater has been purchased with \$140,000 of donated funds and approximately a third of the needed \$360,000 operating endowment fund has been raised.

If the bond issue passes in May the theater can be in operation by next spring. At a cost of only \$2.70 per year on a \$60,000 home, I urge people to get out and vote 'yes' May 20th on the Majestic Theater Restoration, which is City Ballot Measure 53.

Jim Howland
Corvallis

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Film Presentation Wednesday, May 7
3:30 and 7:00 p.m. - 213C M.U.
Representative on Campus
M.U. Counter B 10:00 a.m.-2 p.m.

TOMORROW 4:00 p.m. MU 105 ANNUAL MEETING

OREGON STATE UNIVERSITY BOOK STORES, INC.

The purpose of the meeting is to receive nominations for two new student directors who will serve a two-year term. Nominations previously made by the Nominating Committee for the office are:

Valencia Alvarado Mary A. Krenowicz
Kimberly Fleck Charles Stempeck
Peter Krebs Gary Woolworth

ALL BOOKSTORE MEMBERS ARE ELIGIBLE TO ATTEND

\$5.00 merchandise gift certificates will be presented to the first 60 people arriving at the meeting, and a drawing for a \$50.00 merchandise gift certificate will be held.

Foreign study advisors visit OSU

By ANGIE MASON
of the Barometer

Foreign study advisors from seven countries are visiting Oregon's colleges and universities this week to learn how to better counsel students from their own countries who want to come to America to study.

The group, made up of advisors from Spain, Mexico, West Germany, Saudi Arabia, Zambia, South Africa, and India, had a variety of questions and concerns as they toured OSU Friday.

Zeona Hendricks, from Pretoria, South Africa, explained some of her concerns surrounded the racial classification system currently under fire in her country.

"We have to tell students what to expect," she said. "For black students it is a matter of handling the freedom; the idea that they don't have to think twice leaving their dorm rooms."

"We try to get them to identify with other black African students," she said.

Alice Gail Bier from Barcelona, Spain, felt the TOFEL (test of written English for foreign students) requirement was too low.

"A score of 500 or 520 (OSU's minimum requirement) is insufficient for them to operate on the university level," she said.

"We tell students coming to America that they need to know much more English than is required to score well on the test," Bier explained.

Bier also said there was a tremendous problem with foreign students reaching out and integrating with Americans.

"It is deadly for students to stay in their own cultural groups," she said.

Bier also noted the American students as being just as difficult in foreign exchange.

"American students generally are not showing interest in making contact with these people," she said.

"Saying 'hello' or inviting someone to dinner could be a tremendous help," Bier explained. "Students who first arrive here have to deal with a whole series of stuff and this can be very isolating."

Mona Abed from Saudi Arabia was one of the only advisors not concerned with financial support for her native students.

"Saudis don't need financial assistance while others do," she said. "They are coming for the education."

Baerbel Rebe from West Germany agreed with Abed, saying Europeans come from strong economic background.

Rebe also said German students have good universities at home so the reason for coming to America for higher education is not necessarily academic.

"Most students just want to see the new world," she said. "They want to travel and see the states."

Rebe said German students were quite positive about America, enjoying the liberal contact with people they found here.

The foreign study advisors attended a potluck Thursday night sponsored by Crossroads International. After spending three weeks at the Oregon universities they will meet other groups of foreign advisors in San Antonio, Texas for a National Association of Foreign Study Affairs conference.

Petition forms for mayor, council member available

Petition for election forms for the positions of mayor and city council member are now available at the Office of the City Recorder in the Law Enforcement Building, 180 N.W. 5th.

At the November 4, 1986 general election, there will be election of councilmembers from each of the nine wards and for the office of mayor.

The petition forms for council member require 20 signatures of qualified electors who are residents of the ward from which the candidate seeks nomination. The petition forms for mayor require 100 signatures of qualified electors who are residents of the city of Corvallis.

Petitions cannot be filed prior to July 28, 1986 and must be submitted no later than 5 p.m. on August 15. For more information call 757-6945.

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Photo by Doug Russell

Mid-knight madness

Andy Watson, senior in biology, launches an attack against an opponent during a mock medieval battle, part of the Moms' Weekend Renaissance Fair in the MU Quad Saturday.

Watson is a member of the Society for Creative Anachronism, an internationally recognized group dedicated to "recreating medieval times as they should have been," according to OSU chapter president Lee Damon.

Watson, known as "Andrew of Bora Da" by his fellow fighters, has been participating in the society for nine months.

All SCA members make their own equipment and armor. But medieval combat is not the only area that the society is involved in.

According to SCA member Tom Binker, senior in industrial arts education, members study ancient costumes, dance, song, and jewelry making.

"We're all a bunch of hopeless romantics," says Binker.

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OSU excellence is focus of Faculty Senate meeting

J. BRIAN MONIHAN
of the Barometer

President John Byrne, emphasizing OSU's areas of excellence and its role with the state of Oregon, addressed the Faculty Senate meeting at the LaSells Stewart Center Thursday.

"Clearly this is a time of change for Oregon State University and the state of Oregon," he said. "The two go hand in hand and more so than any other institution, this university is tightly woven to the social and economic welfare of the state. Both affect the other."

Byrne went on to say that the university is a major business of the state, running on a budget of \$222 million.

"Oregon State University's mission is to prepare the state of Oregon and its citizens for the future, and I suppose, indirectly, to change the future through education, creation of new knowledge and service."

Byrne stressed that OSU is in the top 10 of land grant institutions for receiving research dollars, with \$60 to \$70 million dollars received in grants, contracts and appropriations for research, and that out of 2341 institutions in the nation, OSU is 44th in producing doctoral candidates. He also said that the College of Forestry is considered the best in the nation, and that 97 percent of the graduates from the College of Engineering passed the standardized engineering test, a percentage higher than any other university in the nation.

The number one priority for OSU is faculty and staff salaries, Byrne said, adding that salaries are the key ingredient to the health of a university.

Byrne also said he wanted to reaffirm his belief in the library.

"The library is important," he said. "Some parts of the library are excellent. The staff is competent and dedicated beyond belief. They are doing the best job it can with limited resources. If there is any ques-

tion for this administration, it is how do we direct more resources to the library to bring it up to the standards that we all like."

As for his role of president, Byrne stressed that though he is the titled leader, image maker, fund raiser and manager of values for the university, the image of a university is really created by its faculty.

"We started last year on March 10 preparing for the future. We still are preparing at OSU. If it is one thing that marks the character of this institution, it is that we are preparing OSU for the future."

In closing, Byrne asked the Faculty Senate to lift its sights, aim higher, raise its self-esteem and be proud of what this institution has accomplished.

"There are many things we

need to share with each other, and not just to take glory in what we have done, but to lift our sights a little bit and to try even harder."

In other issues, vice president for finance and administration Theran Parsons addressed questions dealing with the university's parking fees and fines increase. Parsons said that the additional revenue was necessary to make improvements in present parking lots. He said that there was an unexpected increase in the number of cars on campus. An additional 1,000 cars were registered on campus this year. He also said that an additional \$120,000 was necessary to make improvements on lots around campus.

Concerning the bicycle regulation issue, Parsons said he didn't know quite how to respond to the ASOSU plea to do

away with the registration fee.

"I'm at a little loss to respond to the communication from ASOSU...first they subscribe to the idea of enforcing bicycle regulations and then at the bottom of the letter, they ask to eliminate bicycle regulations," he said.

Parsons also said that he felt the OSU motorcycle officer was good for the university, adding that the officer's high visibility may be a deterrent to people committing crimes.

The first public announcement of Dr. George W. Keulks as a candidate for vice presi-

dent for academic affairs and provost was made. Kuelks, who is the dean of the Graduate School at the University of Wisconsin, will be on campus today.

(See EXCELLENCE, page 8)

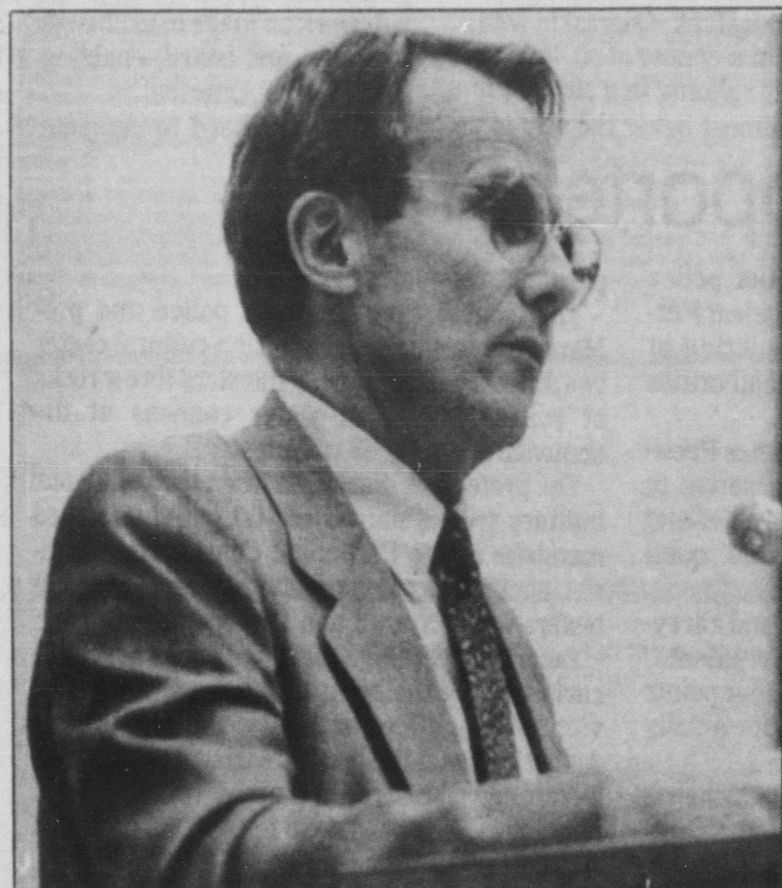


Photo by Gary L. West

OSU president John Byrne addresses the Faculty Senate meeting in the LaSells Stewart Center Thursday. "This is clearly a time of change for Oregon State University. The goal (of OSU's administration) is to prepare for the future," said Byrne.

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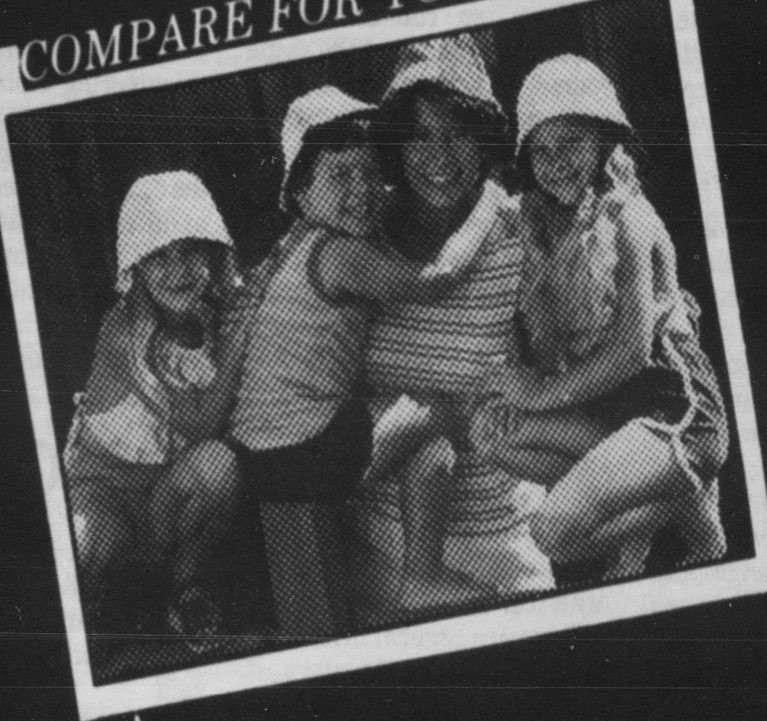


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Orienteering combines running with navigational skills

By BARRY BURKS
of the Barometer

It's hard to believe that a sport which draws more than 10,000 competitors at some meets in Europe is relatively unknown in the United States, but such is the case with orienteering.

"A lot of people don't know anything about orienteering or that it exists," said Teri Chereskin, assistant oceanography professor and orienteering competitor.

What is orienteering?

"It is a sport that combines running with navigational skills," Chereskin said.

OSU now has an orienteering club, whose primary purpose is to publicize events in Seattle, where several fairly large competitions are held each year, she said.

Chereskin said she feels orienteering is more challenging and less boring than just running because it requires constant thought.

The basic tools of the orienteer are a map and compass, with most of the emphasis on maps, she said.

There are various types of orienteering, but commonly, someone places orange and white markers on stakes throughout the mapped area and the orienteers must pass each marker to complete the course. The winner is the one who does it the fastest.

"However, just because the

markers are brightly colored doesn't mean they're easy to find. You usually have to be very close to see them," Chereskin said.

To make sure people stop at all of the controls, a punch system is used. Upon finding a marker, each contestant punches his or her card and then goes on to the next marker, Chereskin said.

Competitors are staggered to prevent them from following each other. Approximately two minutes are given between start times, though the time may vary with the type of orienteering. Also, there are several different courses that may use some of the same markers, so runners aren't necessarily following the same course as someone else who may be going to the same marker, she said.

According to a 1983 issue of the Boston Phoenix, a Major Ernst Killander is responsible for the tremendous growth of the sport which began in his native country, Sweden, in 1918. Killander felt the decline in track and field sports could be turned around by incorporating the allure of the Swedish countryside. It wasn't until 1971 that orienteering caught on in America.

There are several orienteering organizations. The largest is the International Orienteering Federation. Others include the United States Orienteering Federation and OSU's own

Orienteering Club, Chereskin said.

The largest events are held in Europe. The Scottish Six Days and the O-Ringen in Sweden draw thousands of competitors, with the O-Ringen drawing more than 10,000 competitors. By comparison, a large meet in Oregon may draw 50 competitors, she said.

There are several categories of meets. "A" meets, in which the winners are placed in national standings, are the toughest competition. In "A" meets, the maps are checked by independent parties for accuracy and during the meet someone makes sure the markers aren't moved.

"B" meets occur in Europe and are usually meets between orienteering clubs, much like local events in America.

In Score Orienteering events, the control markers are laid out at different distances from the start. Contestants have an allotted amount of time and must decide whether to go for the distant markers or closer ones. The distant markers are

worth more points, Chereskin said.

Another variation of orienteering is called Norwegian Map Memory.

"At each control you are allowed to see enough of the map to get you to the next control. As far as the details, you just have to remember that," Chereskin said.

Other forms of orienteering include night orienteering and ski orienteering.

Local events utilize three courses: yellow, orange and red. The yellow course is usually about three kilometers, the orange about five or six kilometers and the red course is about nine kilometers long, she said.

People often run along fences or streams as they are running cross country through different types of terrain and not on a track. Because of this, runners must carefully pick their routes between markers and pace themselves, Chereskin said.

"In a course of six to 16 controls running in a straight line is almost never the way to go,

unless your strength is running hills," she said.

"Another important consideration is not moving faster than you can think. A lot of long distance runners, when they get started, run clear off the map," Chereskin said.

Winners seldom get more than a pat on the back or a trophy even at the big events in Europe.

"It is truly an amateur sport," she added.

"Most of the nations where this has become a big sport have governments that make grants to make detailed maps," she said. "The maps used in orienteering are more detailed than typical U.S. Geological Survey Maps."

"We don't really have the expertise here to do the maps," she said, so most American orienteering maps are prepared by visiting Europeans. Often times, Europeans will work on maps in exchange for room and board, enabling them to see America.

"It's very hard to compete

against the Scandinavians if you only compete once a month. They run in a quality event every week. They also do it as a gym class in school," Chereskin said.

Two Swedish orienteers, Gudrun Hjorth and Heinrick Gothberg will be touring Oregon from May 1 through May 9 and will be in Corvallis on May 8. They will be giving evening courses in orienteering at Chip Ross Park between 6 and 7 p.m. Fees are \$2 for adults, \$1 for teens and children will be admitted free. A presentation will follow at 8:30 in Memorial Union room 206. For more information call 757-7369.

EXCELLENCE, from page 7

The Faculty Senate acted on and approved changes in the wording of academic regulations 15 and 27, dealing with academic dishonesty and additional hours for a subsequent degree, respectively, and name changes for majors offered in the schools of business and education.

The department of finance will now be called the department of finance, insurance and international business. In the School of Education, the department of science and math education will now be called science, math and computer science education.

The Faculty Senate also voted for those faculty deserving distinguished service awards. Three faculty members were chosen and they will be honored at commencement ceremonies in June. The honor is the highest award the university bestows.

On other issues, the Faculty Senate gave updates on the university's long-range planning process, search committees, appointments to task forces and the flex benefit package.

Marcos supporters riot

MANILA, Philippines (UPI) — Riot police clashed with supporters of ousted President Ferdinand Marcos in Manila Sunday, injuring at least two protesters and arresting 12, authorities said.

The confrontation came three days after President Corazon Aquino, angered by a series of violent protests, fired Manila's police chief and ordered authorities to take steps to quell demonstrations by Marcos loyalists.

Shouting, "Marcos, Marcos still," and carrying placards saying, "Return our President," about 5,000 protesters marched from four points in the capital and tried to assemble for a rally in Manila's Luneta Park.

About 800 riot police armed with truncheons and shields confronted the demonstrators as they approached the park and ordered them to disperse because they did not have a permit to hold a rally.

Police used their night sticks and water cannons to break up a gang of militants who refused orders to disperse. At one point, about 1,000 loyalists slipped through the police line into the


park, but they left peacefully.


The longest clash between police and pro-Marcos protesters occurred near a cultural center two miles from the park. Protesters threw rocks at police, who fired water cannons at the demonstrators for 10 minutes.

The protesters dispersed when they saw four military trucks unload 400 fatigue-uniformed members of the Philippine Constabulary anti-riot contingent. Police said at least two protesters were injured and 12 were arrested.

Before dispersing, the loyalists produced a cart carrying the body of a man said to be the victim of police brutality under Aquino. Authorities said the body, wearing a pro-Marcos T-shirt and ribbons with Marcos' red, white and blue colors, had been dead for several days and was decomposing.

Marcos, who fled into exile in Hawaii in February when a civilian-backed military revolt installed Aquino, insists he is the rightful president of the Philippines and has urged his supporters to press for his return to power through peaceful means.

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Computer listing to maintain foreign alumni's addresses

By DELIA DORRAN
of the Barometer

Continuing work on a project already 15 years underway, Gary Roelofs plans to transfer approximately 7,500 entries into a comprehensive listing of foreign OSU alumni.

Roelofs, a graduate student in adult education, has been working since fall term on a project aimed at placing a listing of all foreign OSU alumni into a computer program.

The data base management system would list the OSU alum by name, country and major. The importance, according to Roelofs, is to maintain current addresses of the alumni.

The computer listing would be menu-driven and would not need a program to gain access to it. The listing will remain in the Office of International Education and not in the general Alumni Association Office, but will be accessible.

A comprehensive record file was begun approximately 15 years ago by an OSU foreign student counselor. The files have since grown to 80 inches worth of index cards.

The foreign alumni are not all OSU degree

holders. Some have done graduate work or just attended OSU for a period of time.

"They don't necessarily have a degree from OSU, but have gained from OSU and want to still continue to be in contact," Roelofs said.

Roelofs said the ideal result of the project, which is sponsored by the Office of International Education and the College of Agriculture, would be for "the lines of communication to open up on campus."

Other than the list compiled in the International Education Office, Roelofs would like to "see what networks already exist on campus. It's much easier to tap into those already existing than trying to create new ones."

Each departing foreign OSU student completes an exit card. Included on the card is a listing of a current address at which the alum can be contacted.

Many foreign graduate students keep in communication with the professors they worked with while at OSU, according to Roelofs. This may be the only contact made, which, he said, illustrates the need for departments and individual professors to help with updating the address files.

"If this kind of information can be shared with us, our office would have a much more viable network," he said.

The People's Republic of China and Indonesia are countries with fast-growing files, Roelofs said.

"Most of the alums are from under-developed countries. The European file is fairly small," he said.

Unlike the contribution communication made on the part of the general alumni association, Roelofs explained the purpose of the foreign listing is service-oriented.

"It's inappropriate to ask for money from third world alumni," he said. "What we're involved in is more service to them. They can pay whatever invisible debt there might be through staying in contact, rather than money."

Uses for the foreign listings have been implemented by several OSU instructors traveling to foreign countries. Equipped with a listing pertinent to a particular country, communica-

tion was less difficult.

For the foreign alumni or prospective students the international listings can make information much easier to obtain. The alumni have contacts in many fields available through the listings.

Prospective OSU students have contacts with alumni available to help prepare for living in Oregon. Roelofs said communication is made on "specific academic sort of things, but also general cultural sort of information of what Corvallis is like."

A major push has also been seen by the International Education Office in the area of foreign alumni clubs. Although not recognized officially at OSU, Korea and Thailand have strong OSU alumni associations. Recently, Chilean OSU graduates have expressed interest in starting an alumni club.

The mammoth task of entering all 7,500 entries into the new system has already begun. Roelofs is entering the listings by country as the need arises.

DELTA, from page 9

rocket's nose drift off course and aerodynamic pressure shattered the protective fairing around the GOES-7 weather satellite at the tip of the spacecraft as it began swapping ends, tumbling violently out of control.

Twenty seconds after the shutdown, Air Force safety officers sent radio self-destruct commands to destroy the rocket, a standard procedure to ensure that out-of-control rockets do not make it back to populated areas.

Lost along with the \$42 million rocket was the \$57.5 million GOES-7 weather satellite that was to provide television monitoring of hurricanes and storms in the Atlantic Ocean.

Launch director Charles Gay said he had no idea what caused the failure and that all data beamed down from the rocket before it broke apart indicated the first stage engine and its solid-fuel boosters were operating properly.

The failure has heightened the quandary faced by the nation's military and civilian space programs.

Only three Delta rockets remain on the books. Two more are scheduled for launch in 1986 to carry another GOES weather satellite into orbit and to ferry a "Star Wars" payload into space. The final NASA Delta launch is set for August 1987 to launch another Strategic Defense Initiative payload.

The McDonnell Douglas production line is closed and there are currently no orders for additional rockets. Even if new orders come in, the company estimates it would take 17 months to build the first one.

Likewise, the agency's Atlas Centaur program

is scheduled to come to an end in early 1987 after three more flights, each to launch Navy communications satellites.

At General Dynamics' Convair Division, where the Atlas Centaur rockets are built, the production line is still open.

But company officials say it would take two years to build and launch a new Atlas Centaur and that estimate is based on using spare parts already available. Building a new rocket from scratch would take up to 30 months.

In the military arena, the situation is especially bleak in the aftermath of the April 18 failure of a Titan 34D at Vandenberg Air Force Base, Calif.

Only seven Titan 34Ds, the most powerful American launcher available after the shuttle, and 14 Atlas boosters remain on hand for launch along with a variety of smaller boosters.

Last year after an industry competition, the Air Force was authorized to purchase 10 upgraded Titan 34D-7s for satellite launchings at the rate of two per year beginning in 1988, all from the Cape Canaveral Air Force Station.

The Air Force also gained approval to refurbish 13 aging Titan 2 ICBMs to launch lighter military payloads. Six will be used for Air Force weather satellites, six for classified payloads and one for a Navy oceanographic satellite.

But the Titan 34D-7s will not be ready for launch until late 1988 and the refurbished Titan 2s will not be available until 1989. And while the Titan 34D production line is still open, it would take about three years for a new order to be filled.

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Boston streak ends; Mavs, Nuggets square series

By United Press International
The Boston Celtics can be beaten.

With Dominique Wilkins scoring 37 points, the Atlanta Hawks defeated the Celtics 106-94 Sunday, sending Boston to its first playoff loss.

The Hawks, who lost all six of their games to Boston during the season, remained alive in the playoffs with the win. They trail 3-1 in the Eastern Conference semifinal with Game 5 Tuesday night at Boston.

No team in the NBA playoffs

has recovered after dropping the first three games of a best-of-seven series.

Wilkins, the NBA scoring champion, hit for 21 points in the second half. The Hawks built a 79-74 third-quarter lead and the Celtics got no closer than three points during the final quarter.

Boston made its last bid with 4:30 left when Larry Bird, who had 16 of his 20 points in the second half, cut the margin to 90-87. The Hawks then pulled away.

Spud Webb, the NBA's smallest player at 5-7, sparked the Hawks with driving layups and finished with 21 points.

Kevin McHale led Boston with 26 points. Bird hit only 1-of-10 field goal tries in the first half which ended with Boston ahead 51-50.

Elsewhere Sunday, Dallas edged Los Angeles 120-118 in Game 4 of their Eastern Conference semifinal. The best-of-seven series is now tied at 2-2.

At Dallas, Mark Aguirre scored 39 points, including 21 in

the first quarter, as the Mavericks survived a missed last-second shot by Kareem Abdul-Jabbar.

Game 5 of the best-of-seven series is Tuesday night in Los Angeles.

Dallas scored 45 points in the first quarter to equal the NBA playoff record for most points scored in the first period. Aguirre's 21 points in that period were only two shy of the NBA mark for most points in a playoff quarter.

A turnaround jumper by Aguirre with 38 seconds left gave the Mavericks a 120-116 lead. Byron Scott then made a pair of free throws with 30 seconds remaining to pull the

Lakers within two points, but a hook by Abdul-Jabbar bounced off the rim at the buzzer.

Rolando Blackman scored 28 for the Mavericks, Sam Perkins added 23 and Derek Harper had 19.

Abdul-Jabbar, playing in his NBA record 173rd playoff game, led the Lakers with 33 while Magic Johnson had 27.

At Denver, T.R. Dunn sank a pair of free throws with six seconds left in overtime as Denver evened its best-of-seven playoff series at two victories apiece.

Game 5 of the Western Conference semifinal series is Tuesday night at Houston. Alex English led the Nuggets

with 28 points, including six in overtime. Ralph Sampson scored 28 for Houston, striking for 15 points in the third period.

Houston center Akeem Olatunji, who played sparingly in the first half because of foul trouble, scored 23 points before fouling out with 3:09 left in overtime. Robert Reid added 24 for the Rockets.

Houston led by 10 points in the first half, and the Nuggets trailed the rest of the game until tying the game 104-104 on five straight points by Elston Turner.

Turner hit a 3-point play and then a reverse layup with 11 seconds left in regulation to force the overtime.

Lightweight boat shines at opening day regatta

By SHANNON GIMBL
of the Barometer

The Oregon State crew team did not do as well as expected at the Opening Day Regatta in Seattle this weekend, but they did prove to most of the premier teams on the west coast that they have one of the most prestigious lightweight boats around.

The Beavers beat the University of Washington by four seconds and blew past UCLA in the lightweight division Saturday. The margin over the

Bruins was over 16 seconds.

The lightweights provided the Beavers their only win of the regatta, however.

The novice Beavers, who had lost only one race this season, took third place behind Washington and Brentwood High School.

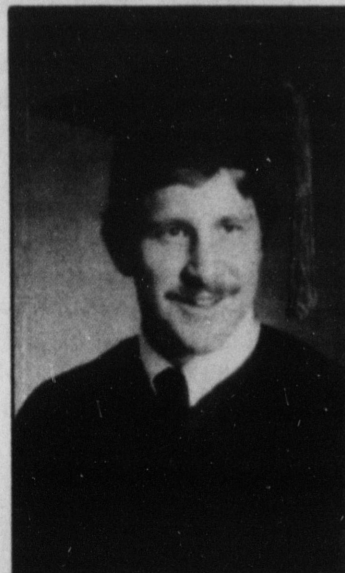
In the varsity division, OSU finished third in both the eight-man and four-man boats. In the eight-man, Oregon State was outmanned by a pair of Washington boats. The Beavers finished behind the Huskies by 20 seconds.

The women didn't fare much better as they gathered second, third, fourth and fifth place finishes. They were awarded second place in the novice division and third in the varsity-eights.

The Beavers will be back on the Willamette River training for the Pacific-10 Conference championships this week.

The reigning champion Washington Huskies will no doubt be looking for a repeat of their division title. The Pac-10 championships will be held in Sacramento, Calif. next weekend.

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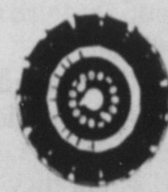
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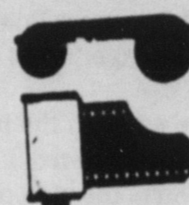
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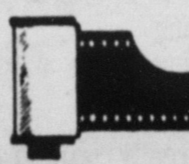
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Sports

Beavers sweep Huskies in weekend twinbill

By RICH PETERSON
of the Barometer

Keith Krafve got his pitch and took advantage of it. That was the whole story in OSU's 3-1 and 9-4 sweep of Washington in Pacific-10 Northern Division baseball action Saturday at Coleman Field.

With two outs, the score tied 4-4, and the bases loaded, Krafve swung eyed UW pitcher Shannon Hatfield's 2-2 pitch and drilled it into the left field fence.

OSU won the opener 3-1 behind David Brundage's three-hitter, and won the nightcap in front of a mom's weekend crowd of 2,190.

Krafve's double cleared the bases in the nightcap, giving Oregon State their 23rd victory in 25 games. The Beavers are now commanding 15-2 in league action and 27-9 overall.

"I thought it was one of Dave's Strongest games. He pitched ahead of the hitters."

Krafve admitted that Hatfield's delivery was a pretty good one in that situation. "It wouldn't have been a strike," said the senior first baseman.

Krafve isn't known as a premier hitter, but is batting .280 for the season. After that double slammed into the left field fence at the 370-foot mark; however, you might think his percentage is much higher.

Krafve was batting left-handed and reached to hit the high, hanging curve ball.

"It was a 2-2 count and I was just protecting it," said Krafve. "It happened to be that he (Hatfield) just hung it out there for me."

Oregon State had an early 4-1 lead after Bryan Ganter hit a single, scoring two runs. The third run came when Husky outfielder Brent Shimokawa committed his first error of the season.

In the top of the sixth inning, the Huskies grabbed three runs off Beaver starter Bryce Hulstrom to knot the score at 4-4. "I didn't think he pitched with the total ability he had," said OSU coach Jack Riley. "He didn't use his change-up very effectively."

Chris Payne came on to relieve Hulstrom to earn the win. Payne, now 5-1, allowed three hits and held Washington scoreless in three innings of work.

"He (Payne) has done that several times this year," said Riley. Payne also had a key play in the ninth inning when he turned a double play. "That was a key point," said Riley.

Hulstrom gave up eight hits in five innings, including four in the fifth.

"Part of Bryce's problem was that he'd get in a rut and tried to go with only his fastball and curve, and didn't throw many changeups," said Riley.

In the first game, Brundage allowed Washington one run on three hits and had 11 strikeouts.

"I had my fastball, but when I needed an out I went to the changeup," said Brundage.

Brundage, now 5-2, has pitched much more this season after playing first base most of last year. "I thought it was one of Dave's strongest games," said Riley. "He pitched ahead of the hitters," Riley said.

With the injury to John Sipple, Brundage has been forced to move onto the mound more often.

"My arm is a lot more in shape now," said Brundage. "I think with John (Sipple) out it has



Second baseman Lestee Cesar dives safely back to first base during the first game of a double header against the University of Washington Saturday. The Beavers swept both games, 3-1 and 9-4. Today the Beavers face the University of Portland for two games here, their final home stand of the season.

helped me because it gives me a chance to pitch."

Sipple has been benched a good part of the season due to an arm injury. But, he is starting to work back into the rotation more regularly.

"I think it is a tribute to John that we have done so well," said Brundage.

The game was scoreless until the third inning when the Beavers took a 2-0 lead.

Ken Bowen bunted down the third base line for a single, then Brundage also layed down a perfect bunt on the first base line.

"I was supposed to sacrifice, but they didn't have anyone covering first so I did that," said Brundage.

Then, Quinn Williams stepped up and hit a double to center field on an 0-2 pitch to score Bowen. Krafve's sacrifice scored Brundage to end the scoring in the third inning.

The only Washington score came in the fifth inning when Timo Donahue's single scored Steve Towey. OSU got their third run in the bottom of the fifth when Tim Lambert's single scored Williams.

Oregon State has a five-game lead over second-place Washington State in league play with just six games remaining.

"Right now we're just trying to stay sharp," said Krafve.

Beaver Notes: Brundage has really come on and pitched well for the Beavers. In Brundage's last three appearances he has struck out seven in three innings against Linfield, 12 in seven innings against Portland State, and now 11....Today will be the first meeting of the year between University of Portland and the Beavers. OSU will meet Portland five more times before the end of the season. On the Pilots Riley says, "They might be the most improving team in the league."

Softballers split with UO

The Oregon State softball team split a doubleheader with the University of Oregon Saturday at Ropes Field in front of a vocal Moms' Weekend crowd.

They won the first game 2-0, but dropped the second 1-0 on an error in the sixth inning.

The Beavers are now 15-26 overall after being rained out yesterday in their home game with Pacific.

In the first game, the Beavers scored twice in the first inning without a hit.

Kris Kamrath and Lianne Watanabe both walked, then advanced on a passed ball. Kamrath and Watanabe then both scored on wild pitches.

OSU's defense was impressive, stopping any threat by the Ducks. In the fourth inning, Watanabe made an acrobatic catch at second base to end the inning.

Van Calcar places 11th

Karl Van Calcar ran his first race this season after an achilles injury that forced him to redshirt this year at the Pepsi Relays Saturday in Eugene.

The OSU sophomore ran 13:56 in the 5000 meters to place 11th.

Van Calcar ran unattached because he has already redshirted this season for Oregon State. Van Calcar was second at the NCAA national meet in

Tammy Laird made an over-the-head catch in right field to save a possible run in the sixth inning.

Karen Schoonover picked up the win on the mound for OSU, going the distance with her third shutout of the year. She struck out six and allowed only three hits.

An error led to the Ducks only run in the second game.

UO pitcher Susan Voeller led off the sixth inning with a double to left-center. Kristi Long then grounded to Watanabe at second, but Schoonover dropped the ball at first and Voeller scored on the play.

In the second game, OSU freshman Marti Eaton threw a three-hitter, walking one and striking out one.

The Lady Beavers return to action this weekend in the Northern Pacific Athletic Conference tournament.

the 5000 last season.

Eight distance runners qualified for the NCAA meet Saturday. Oregon's Dub Myers won a trip to the meet in Indianapolis with a winning time of 3:40.76 in the 1500.

Washington State's Julius Korir won the 5000 in 13:46.51. Jay Marden, Harold Kuphaldt, Rick Bergsen and Knut Hegvold all qualified for nationals in the 5000.

Christine McMiken of Oklahoma State captured the women's 3000 meters in 9:03.32 to also earn a trip to the national meet.

Oklahoma State's Paul Larkins finished second in the 1500 in 3:40.76 qualifying him for nationals, and Steve Gerheart of Cal-Davis finished sixth for his qualifying for nationals.