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UMass wins first-ever against Temple



Collegian photo by Jeff Egan

University of Massachusetts fans storm the floor of the Curry Hicks Cage after the Minutemen beat Temple 67 - 52 Sunday afternoon. It is UMass' first ever victory over the Philadelphia team.

State rep primary decided today

By JASON GEORGE
Collegian Staff

Amherst and Pelham voters will nominate today a Democratic candidate for state representative in the special election to fill the Third Hampshire District's state representative seat, continuing the domino effect caused by the death of Rep. Silvio Conte last spring.

Democrats Ellen Story, Terry Franklin and Jon Hite of Amherst and Norman Page of Pelham are competing in the Democratic primary to fill the seat vacated when former state Rep. Stanley Rosenberg was elected to the state senate last fall. Republican Mark Enock is running unopposed, with the general election to be held on March 17.

Story and Hite, who have been perceived by many to be the front-runners in the race, have been gathering endorsements in the past few weeks.

Last week, Story, 49, was endorsed by the Massachusetts Women's Political Caucus, former Lt. Gov. Evelyn Murphy and a small group of educators from the

Amherst-Pelham district. Earlier in the campaign, Story was endorsed by the Hampshire County branch of the National Organization of Women.

Hite, 36, on leave from his job as deputy director of the Northampton Housing Authority, picked up the endorsements of the Amherst Citizens for Responsible Government, a group of local taxpayers and property owners and the Local 1776 of the American Federation of State, County and Municipal Employees.

In previous weeks, Hite picked up the endorsements of the University's Undergraduate Student Senate, the Graduate Employee Organization and the local branch of the AFL-CIO.

Although the candidates have agreed on a woman's right to free choice in abortions, the need for a more progressive tax structure and the importance of the University to the district, Gov. Weld's proposal for the University to retain all of its tuition money has emerged as a major source of contention.

Hite strongly opposes the plan, while Story seeks a formula with the University

retaining one-third of its tuition and state appropriations making up the other two-thirds of the University's budget.

Page wants the University to keep tuition a small percentage of the total budget as a means of providing a "margin of excellence" for the University and allow students and administrators to plan better. Franklin opposes the plan, but says he believes the University should not give up the 30 percent of tuition it currently retains until another source of funding is found.

Orchard Hill and Van Meter residents who are registered to vote should vote at the North Fire Station on East Pleasant Street. Northeast and Sylvan residents will be able to vote at the Immanuel Lutheran Church Lounge at 867 North Pleasant Street. The voting location for Central residents is the Wildwood School on Strong Street.

Finally, registered Southwest residents can vote at the Bangs Community Center on Kellogg Avenue. Southwest North residents are considered part of District 10, while Southwest South residents are officially part of District 4.

Dems woo undecideds President Bush campaigns by phone

By WALTER R. MEARS
Associated Press

MANCHESTER, N.H. — Democratic presidential rivals roamed southern New Hampshire on Monday in a holiday hunt for votes, while President Bush phoned in a White House defense against his conservative challenger.

The political traffic was heavy on the eve of Tuesday's New Hampshire presidential primary election, the first balloting of 1992.

While Bush was being interviewed by telephone on radio station WFEA in Manchester, Patrick Buchanan, his GOP challenger, was waiting on hold.

The polls begin opening at 6 a.m. Tuesday.

The pollsters rated Paul Tsongas, the former senator from Massachusetts, the late leader in the five-man Democratic field, with Arkansas Gov. Bill Clinton running second.

Bush held a hefty lead in GOP polling. Both sides said he'd win, but Buchanan sought to come close enough to send the White House and the party a message of conservative rebellion.

"I'd love to win," Democrat Tsongas said.

"I'm going to force the Democratic Party to once and for all take all that useless rhetoric, cast it aside... and let's have a partnership of labor and management and government so the average person in this country can have a job, provide for their family and look to a future that's viable," he said in Portsmouth.

Clinton staged a dozen stops in his final sprint of a race in which he'd been rated the leader before the controversies over a woman's claims of an illicit affair with him and over his Vietnam-era draft status.

"The president has finished his mission," Clinton said. "He is yesterday's man."

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High tech displayed for Kennedy

By DANIEL J. LYONS
Collegian Staff

The Department of Computer and Information Science demonstrated several new technologies being researched at UMass to an audience on Friday that included Sen. Edward Kennedy.

The professors in the department invited Kennedy to learn about their research and its benefits for the future of the economy, education and health care. They showed the Massachusetts Democrat tutorial programs, "smart vehicles" being developed for the military and information retrieval systems.

After the presentation, Kennedy expressed pride in the University's place on the cutting edge of new technologies.

"They are doing a great deal of research as well that will have a very important commercial value," Kennedy said, "which, transferred, means new jobs, new opportunities for families. Not for the families of only Western Massachusetts, but all over Massachusetts, New England and the country."

"This is still a dangerous world," Kennedy said. "It's naive to think that we are going to have to have a defense which is going to be adequate to those particular challenges."

These challenges reflect the recent changes in the current world order and will inspire new and innovative technological developments, Kennedy said.

"Those kinds of developments take imagination and creativity. There is no reason that Massachusetts and New England can't be on the cutting edge of those technologies," Kennedy said.

One of the many research projects the Computer and Information Science

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Inside:

Follow Monday's schedule

Page 3:

Professor Julius Lester talks about his conversion to Judaism

Page 7:

Billy Bragg does a rousing set — but, hey, next time go easy on the humor

WEATHER:

Icky, oozy and downright disgusting — just your typical New England winter day. Rain developing late today, possibly with snow and sleet mixed in.

Kennedy

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ence Department is involved in is a computer-controlled intelligent vehicle being developed for the U.S. Army.

This project is being jointly conducted with Carnegie Mellon University, which plans to transfer a prototype of the vehicle to the Amherst campus this summer, according to Professor Edward Riseman.

The prototype system, using a three-level integrated recognition technology, will eventually be installed in Army ambulances and other vehicles to eliminate the need for human drivers in dangerous situations.

Riseman also stressed possible domestic uses for this technology, such as automated transport convoys to transport goods over long distances at high speeds with no need for human help.

Along with the automated convoys, this technology could be used to update the interstate highway system. This new system would have sensors to monitor and control traffic flow and could eliminate travel delays.

Professor W. Bruce Croft demonstrated an intelligent information retrieval system developed here at the University. The prototype program contains a small data base including 120,000 articles from *The Wall Street Journal*.

During computer vision research at the University, the Image Understanding Architecture was developed to cope with the vast amount of information relayed in

computer vision.

According to Charles Weems, this so-called "Fifth Generation" of computer technology lacks the capability to process this amount of input. IUA, using heterogeneous parallel processors, is able to process the information. Weems said this technology is "a prologue to the sixth generation of computer hardware."

The UMass computer department is also working on projects to improve the educational system, which is widely believed to be lagging behind the rest of the industrialized world.

An intelligent computer tutor has been developed to cope with students' varying abilities by making real-time judgements from the students' questions and answers, officials said.

"This ability is far superior to pre-determined computer tutors because of its ability to adapt differently to each student," said Professor Beverly Woolf.

"In order to retain our status as an industrial nation, we must reform and update our education system," said Woolf. The present system of narrative learning is inefficient when compared to what the intelligent tutor could do.

A recent survey showed that pre-supplied narrative learning is soon forgotten by workers who must then relearn the information on the job, said Woolf.

However, if an intelligent tutor was supplied to the employee on the job, the worker could forgo the pre-supplied narrative learning and learn his or her job on location, retaining more information for a longer period of time.