



Tech Photo by Rod Wester

The Charles River will be renamed the Kwa Na Ha Nee River, if Cambridge Mayor Alfred E. Vellucci has his way.

## Mayor tries to rename river

By Tony Zamparutti

Cambridge mayor Alfred E. Vellucci asked the city council last week to change the name of the Charles River.

The council discussed the mayor's proposal to rename the Charles the Kwa Na Ha Nee River at its August 2 meeting, but took no action on the plan.

City councilors did not oppose the name change, but some questioned the city's authority to rename the river, since it borders several other cities and towns.

Kwa Na Ha Nee means "site of the waters, great motherland, place of the birth of all native first people and first nations; the turtle island," said Fox Tree, a native American supporter of the change, speaking before the council.

Fox Tree represented Native

First People, a group planning a weekend festival in late September, celebrating American Indian culture. The festival should be held on the Charles' banks, Vellucci said.

Vellucci and Fox Tree will try to arrange a meeting to discuss the name change with Boston Mayor Kevin H. White, the Cambridge mayor said this week.

"Now that I can say [Kwa Na Ha Nee]," Vellucci told the council, "I think it sounds nicer than Charles River."

"I don't want to change the name," Vellucci explained this week. "The Indians want to change it."

Fox Tree named Vellucci an honorary Indian chief to recognize the mayor's support for the name change.

The mayor used his new Indian

name, Chief Little Velvet, several times during the council meeting. He chose the name from a translation of his Italian surname.

Several of the councilors raised doubts about the feasibility of Native First People's September festival.

The city would welcome the event, said councilor David Sullivan '74, but "a lot of logistical problems could arise. It is going to cost a lot of money to host a tribal festival."

The council asked the city manager to study the group's plans and report its cost to the city.

Vellucci led a successful campaign earlier this year to change the name of Boylston Street in Harvard Square to John F. Kennedy Street. The change took effect May 29.

## EECS head irked by Tech article

By Barry S. Surman

An article revealing details of a self-evaluation report drafted by the Department of Electrical Engineering and Computer Science (EECS) has department officials upset.

The story, published in the July 30 issue of *The Tech*, said EECS fears it may lose its ranking as the premier electrical engineering school in the country, and slip to third in computer science.

"It is unfortunate that it came out in *The Tech*," said Course VI Head Joel Moses '67.

Moses claimed the story may have given readers the impression EECS gave the report to the newspaper. "We did not," he said.

*The Tech's* account on the EECS computer system was closed within four days of the article's appearance. "This strikes me as a purely punitive action," said Richard Salz '83, project director for *The Tech's* new electronic newsroom system.

Moses said he suspected *The Tech* obtained the report through its EECS computer account, but denied any connection between the news story and the closing of the account.

"I thought the account would be reopened," Moses said. He said he played no part in the decision to close the account.

"What really annoys me," Salz said, "is [that] they never approached us with their suspicions."

"The account would have been closed at the end of the summer,"

Moses said, but could remain open if *The Tech* reapplied for access.

Moses "doesn't understand what's going on," Eric M. Ostrom, EECS computer systems manager, said. "He doesn't know anything, he's just the department head."

"A lot of accounts are going away now," said Ostrom. Summer system users with "strong connections to living groups" are routinely denied access, he said, while the Residence/Orientation week Clearinghouse system for tracking freshmen is on the computer.

The account, used by *The Tech* to develop software for its new electronic composition system, was expected to be available until around registration day, Salz said. He expected some notice before the account was to be closed, he added.

"There's no guarantee whatsoever," said Ostrom. He claimed closing accounts without warning is standard EECS procedure.

A message recorded on *The Tech's* telephone answering machine last week said, "My name is Eric Ostrom and you people are in deep trouble," but Ostrom denied saying anything about the article in *The Tech*.

Moses did not deny the accuracy of *The Tech's* report on the EECS draft, but said he now felt it likely that MIT will continue to be ranked first in the nation in electrical engineering.

## Volcanic eruptions affect the weather

By Bill Giuffre

Two eruptions of the volcano El Chichon in southern Mexico earlier this year may affect the New England climate this winter, according to Professor Reginald E. Newell '56 of the Department of Meteorology and Physical Oceanography.

"The eruptions occurred on March 28 and April 5," said Newell. "A considerable amount of material, mostly dust and ash, was thrown into the stratosphere. Over time, this will evolve into sulfates. The main effect this will have on climate is to absorb incident radiation in the upper atmosphere."

Newell explained the earth's

major source of warmth in the winter is heat which accumulates in the oceans during the summer. "If you don't store up much in the summer it isn't there in the winter. You're essentially taking it out of the cycle."

The Mauna Loa Observatory in Hawaii calculated a reduction of solar radiation of about four to five percent, indicating possible cooling of up to 0.5 degrees Celsius, according to a memorandum in July from the National Oceanic and Atmospheric Administration (NOAA).

"We really don't know enough to make any kind of statement about what will happen to the

(Please turn to page 4)

## Congress acts to cut draft evaders' fin. aid

By Tony Zamparutti

Both houses of the US Congress have passed measures barring college students who fail to register for the draft from receiving Federal student aid.

The House and Senate passed different versions of the aid restriction, but both attached the legislation to a bill authorizing funds for the Department of Defense in fiscal year 1983.

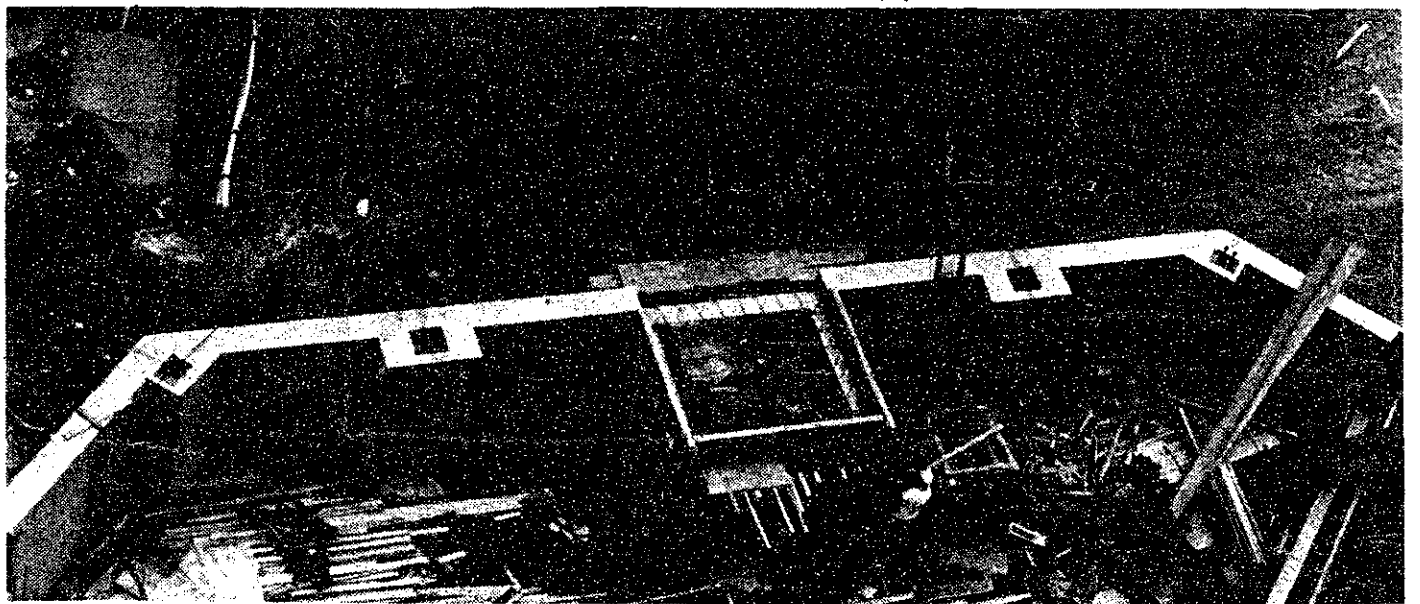
Approximately 674,000 men — seven percent of those eligible — have failed to register for the

draft since registration began in July 1980, according to the Selective Service System.

A House-Senate committee is now attempting to resolve differences between the two authorization bills, including the minor differences between the student aid restriction amendments.

Both proposals would affect aid from six major Department of Education financial aid programs: Guaranteed Student Loans, Pell Grants, Supplemental

(Please turn to page 4)



Tech Photo by Rod Wester

Work continues on schedule, but over budget, for the new EG & G Educational Center, set to open next spring.

## High costs plague new buildings

By Burt Kaliski

Construction of the EG & G Educational Center is "going forward and going well," according to Director of Physical Plant Paul M. Barrett, but the building will cost more than originally planned.

The new building, located in the courtyard between Buildings 36 and 38, will provide additional classroom and laboratory space for the Electrical Engineering and Computer Science (EECS) Department. The founders of EG & G, Professor Harold E. Edgerton '27, Kenneth Germeshausen '31, and Herbert E. Grier '33 donated nearly five million dollars for the building.

Last February, Barrett reported that construction bids were higher than the planned budget for

the facility.

The center is "costing more than contemplated two or three years ago," he said this week. Barrett did not know whether donations for the building will still cover its costs.

Barrett said the building will be completed in the spring of 1983, as planned, despite delays due to rain during June.

Foundation work for the Arts and Media Technology Center, located at 25 Ames Street, was finished in late June, Barrett noted, and construction will be completed in the spring of 1984.

Barrett said bids for the superstructure of the center were higher than expected. Physical Plant has decided to contract with the lowest bidder, he continued, "but we are trying to get the price more in line with our resources."

The total cost of the center is expected to reach \$25 million. Private industry in the US, Japan and Europe has provided a large part of the amount. The National Endowment for the Arts donated \$250,000. Construction will resume late this month or in early September, Barrett said.

Physical Plant is also renovating the Nabisco Building on Main Street to house a Plasma Fusion Center project. The multi-million dollar project TARA will be moved there from its present location adjacent to the Bitter National Magnet Laboratory.

Renovations to the basement, first floor, and third floor of the Sloan Building (E-52) will be completed by next March, according to Barrett. The work will provide additional space for offices and computer facilities.

# Opinion

Jerri-Lynn Scofield

## Plastic Jesus on the Capitol steps

Washington, DC, is America's mecca for tourists, particularly in spring and summertime. Swarms of Legionnaires, Scouts, and students periodically invade the city, and are ferried to and fro by tour busses or bopped by the ultra-modern subway system. They strive to see as many sights in as short a time as possible, recording it all as snapshots with Mom and the kids in the foreground.

Their routes are predictable: they visit the Washington, Jefferson, and Lincoln Memorials; the Smithsonian Museum, the White House, and the Supreme Court. Inevitably, they climb the stairs that lead to the Capitol.

In addition to the thousands of pleasure-seekers swathed in polyester double-knit or Izod Lacostes who visit the Capitol, many protest groups bring their agenda to the steps, where temporary visitors from the hinterland (their more permanent representatives inside) or any passing journalist or television cameraman may be introduced to that day's cause.

Last Tuesday, under the shadow of the Capitol dome and within sight of the Supreme Court, a group of fundamentalist Christians explained America's problems. They were no ordinary group of small-town gospel-banging evangelists: not content simply to announce their beliefs, they came equipped with props. A life-sized, plastic statue of a beatific Jesus Christ stood on the steps, not alone, but with a trusty vinyl disciple by his side. (Christ wore his light blue cloak Tuesday. On one previous visit to the same site he had worn a crimson velvet cloak instead. Why had he changed his clothes? The crimson was much more photogenic.) Next to Jesus and his follower were two plastic lambs, looking suitably innocent and possibly bored. (It is not easy being a lamb these days, even one in divine service.) Behind the statues, a tiny loudspeaker blared patriotic tunes.

While Christ and his charges quietly observed, two men bellowed into a portable public address system. One brandished a sign describing the evils of American civilization — abortion, drugs, feminism, lawlessness, lack of prayer in public schools — while another proclaimed in the rhythmic cadence of a square dance caller how to redeem lost souls. If America abolished abortion, drugs, feminism, and lawlessness — he did not say how — prayed in schools and accepted his particular religious beliefs, all would be saved forever and the United States would rule the world again.

Most bystanders appeared unconvinced. Christ did not comment, his features frozen forever in synthetic splendor.



I WISH I COULD HELP, CINDERELLA... BUT SOME CLOWN HAS GIVEN ALL MY POWERS BACK TO THE STATE...

Column/Mark Templer

## Unhappy? So amend!

Earlier this month, with the full support of President Reagan, the United States Senate voted 69 to 31 in favor of a Constitutional amendment requiring a balanced budget. If this astonishing act of political courage is matched by two thirds of the House of Representatives, then state legislatures across the country will have the opportunity to enshrine in our Constitution the absolute cure for all of our economic woes: a mandate for a balanced federal budget.

What is singularly striking about this wonderful amendment is its simplicity. Just imagine — if this amendment were part of our Constitution today, we would not have the projected deficits of 500 billion dollars over the next three years. We would make the difficult political choices necessary to reduce deficits. We would have a balanced budget!

Now that the Senate has put our government well on the way toward solving our budgetary dilemma, we should set our sights on finding constitutional remedies for the other difficult problems we now face.

Take unemployment, for example. Last month, the unemployment rate reached 9.8 percent, its highest level since 1941. Some politicians have tried to deal with this important problem by designing policies to stimulate investment, increase productivity, and improve our ability to compete in international markets. Other

leaders, including President Reagan, have tried to cut unemployment benefits and to blame the media for exaggerating the significance of this issue. But these approaches overlook the obvious solution: we must adopt a Constitutional amendment requiring that every American be given a job. It would work the same way as does the balanced budget amendment, and its advantages should be evident to every politician up for reelection.

But there is no need to stop with a full-employment amendment. This country has a number of difficult problems that need quick, sensible solutions. For years, Americans have been terrorized by an ever-increasing wave of crime. We need to fix this problem. We need to fix it now. We need a Constitutional amendment prohibiting crime. By adopting such an amendment, we could avoid all the tough questions about prisons, the insanity defense, the death penalty, and gun control. (Of course, it may be necessary to exempt certain groups, such as Congressmen, from this amendment to gain the support needed for passage.) Similarly, to counter the growing Soviet military threat, we could adopt a Constitutional amendment mandating US military superiority. There would be no more need to worry about Soviet expansionism. We would ensure peace through strength!

Clearly, the possibilities are

seemingly endless. It is a shame we did not figure this out sooner. To build a better America, we must design, propose, and ratify Constitutional amendments, and we should start by ratifying an amendment that requires a balanced federal budget.

## Editorial policy

Editorials, marked as such and printed in a distinctive format, represent the official opinion of *The Tech*. They are written by the Editorial Board, which consists of the chairman, editor-in-chief, managing editor, and news editors.

Columns are usually written by members of *The Tech* staff and represent the opinion of the author, and not necessarily that of the rest of the staff.

Letters to the Editor are written by members of the MIT community and represent the opinion of the writer.

*The Tech* attempts to publish all letters received, and will consider columns or stories. All submissions should be typed, triple spaced, on a 57-character line. Unsigned letters will not be printed, but authors' names will be withheld upon request.

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RELAX... WE'VE GOT 30 SECONDS TILL THE HEAT WAVE HITS TO FOLLOW THESE NEW REAGAN CIVIL DEFENSE EVACUATION PROCEDURES...

## arts

# onna in the summer

**Donna Summer** by Donna Summer on Geffen Records, a Quix II Limited Edition Pressing. Playing time is 41 minutes.

Since 1975, Donna Summer has had a triple platinum album, a double platinum album, a platinum album, and numerous platinum and gold singles as well as a few gold albums. Summer's second album with Geffen, sometimes known as *The Summer of '82*, shows great promise. Bruce Springsteen and Vangelis both contributed to the composition of "Protection" and "State of Independence," respectively. Background singers include Chris Cross, Michael Jackson, Kenny Loggins, Dionne Warwick, and Stevie Wonder. The superstar conglomeration shows in the final result. Moreover, there is some fantastic instrumentation here — besides the familiar synthesizers, there's an acoustic piano, polymoog and vocoder, and a Synclavier II.

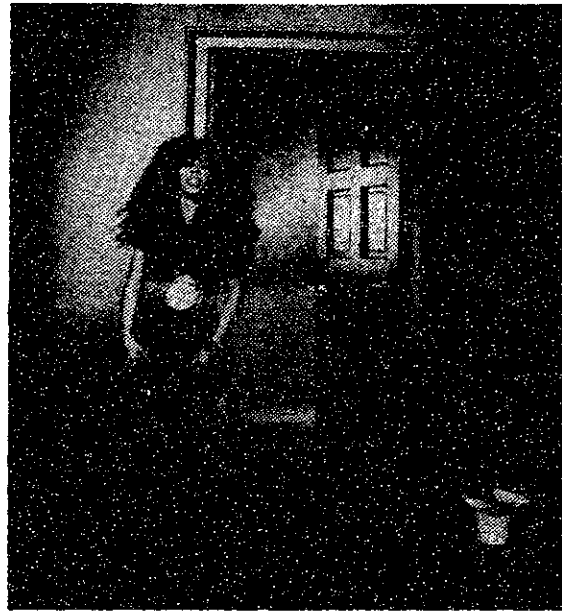
Although there's good dance music on

the album, this is not a hard-core disco release ("I Feel Love"). Besides the presence of Springsteen and Vangelis keeping the album away from that style, there is also a 1949 Billy Strayhorn ballad, "Lush Life," which brings us to, but not beyond Summer's limitations as a singer.

The repetitious throbbing disco of the past ("Love to Love You") has been replaced by interesting lyrics, changing rhythm, and a new style. Disco is not dead; it has merely evolved into a new life form. Interestingly enough, the first cut from the album to be released as a single is "Love is In Control," the most early-disco-like track on the record; when last seen, the cut had hit number 27 in five weeks. Next out, hopefully, will be "Mystery of Love."

The quality of the pressing is very high; lyrics are included. At the very least, you can check your speaker's frequency response — have a good time!

Stuart Gitlow



## toto iv

**Toto IV** by Toto on Columbia Records. Total playing time is 42 minutes.

Toto is a group with many sounds — and six men to produce them. Since their 1978 debut album, we have seen such disparate tunes as "99" and "Hold the Line" hitting the charts. "Rosanna," from their newest album, has been in the top 100 for 18 weeks.

Toto knows how long a track should last. Only two of the ten on *Toto IV* last less than 3:30 — three of them last about five minutes. Fortunately, the three longest are also the three best. First of these is "Rosanna," which at five and 30 including a beautiful instrumental lends itself to being cut to ribbons by some radio stations. The second is "I Won't Hold You Back," a calm easy-moving tune which, unlike most others of its ilk, doesn't sound like all fifty of Manilow's hits. The third is also the close of the album: "Africa" oughta be the next single — yeah, they used marimbas (Joe Porcaro) — but by all means, if it isn't released as a single, but the album for this cut alone. Wildly different from "Rosanna," "Africa" also contains a magnificent instrumental section, this one using the marimba (Jim Horn).

If you enjoy listening to "99," try "Waiting For Your Love" for a reminder of the old harmony. Skip the first of side two which seems to lack any identifiable style or rhythm. Lyrics are missing, but don't miss *Toto IV*... a definite winner.

Stuart Gitlow

# in the heart of kansas

**Vinyl Confessions**, by Kansas on CBS Records. Playing time 42 minutes.

**Private Audition**, by Heart on Epic Records. Playing time is 40 minutes.

After nearly ten years, Kansas has changed: John Elefante has joined the group and Steve Walsh has left. Their newest album, *Vinyl Confessions*, is unpredictable and depends on yelling to make a point. All but two cuts start out well and then rapidly deteriorate. "Play the Game Tonight," the only track to hit the charts so far, sounds familiar on first listening but branches off to become an enjoyable melody. "Chasing Shadows," possibly the best track of the album, is reminiscent of "Dust in the Wind" and could make a high-selling single if released in that style. The song is just over three minutes and would fit well in AM Musicradio formats.

As for the rest of the album, one song opens with a movie-soundtrack tear-jerking instrumental; another opens with Elton John-like sound effects — both soon trail into similar sounding raunch. The longest cut, "Crossfire," opens with a pretty though slightly strained solo, a catchy beat, and would merit interest if it didn't drag on with an interminable (and poor) instrumental, more strained solo singing, and more yelling, "caught in a crossfire." On the plus side, lyrics are on the inside

jacket. "Carry on Wayward Son" it isn't. Buy "Chasing Shadows" as a 45, if it becomes available.

Unlike the Kansas portion of the advertising promo, the cut chosen for the Heart section, "City's Burning," is one of the poorest on Heart's newest album. There is no possible melody here that the listener can pick up and hum, and constant humming of a song probably leads to the purchase of that song on many occasions. Well, not here... within only a few weeks of release, *Private Audition* began plummeting off the charts. But wait! It's not that bad. It has something for everybody: funk ("This Man is Mine"), background music ("Angels"), jump-up-and-down-to music ("Bright Light Girl"), music to write a HUM-D paper to ("Hey Darlin' Darlin'"), and yelling and screaming ("Fast Times").

Missing are the sexy, sultry sound of "oooh, Barracuda," but there are some unusual sounds worthy of your attention. There's even a southern twang to the title cut, which has a definite 1975-Toni Tennille-Starland Vocal Band-sound.

Nothing here will hit number one, but nearly all of them could be received well on album-oriented rock (AOR) stations, especially "Bright Light Girl." Lyrics are included, so go for it.

Stuart Gitlow

# on the town

## musical theatre

The MIT Community players present the musical comedy **High Spirits** tonight and tomorrow at 8:30pm in the Kresge Little Theatre. Tickets are \$5, \$4 with MIT ID. Call x3-2530 for reservations or information.

The MIT Musical Theatre Guild's production of Stephen Sondheim's **Company** opens August 27 at 8pm in the Kresge Little Theatre. Tickets are \$5 and available at the door or by calling x3-6294.

## movies

This weekend's LSC lineup:

**Harry and Tonto**, tonight at 8pm in 26-100.

**Scanners**, tomorrow at 8pm in 26-100.

SCC Midnight Movie: **Lawrence of Arabia**, tomorrow night on the second floor of the Student Center.

## music

The MIT **Summer Brass Sextet** presents a program of 20th century music including tributes to Percy Grainger and Igor Stravinsky Sunday at 8pm in Kresge Auditorium. Free admission.

The **Longy Summer Chamber Orchestra** performs Haydn's "Clock Symphony," No. 101, and Mendelssohn's "Scottish" Symphony No. 3 under the direction of Basil Chapman. Tuesday at 8pm in Edward Pickman Concert Hall, Longy School of Music, 1 Follen Street, Cambridge. Free admission.

## meow!

More than 400 cats will compete for top honors (including the coveted Morris Trophy) at the **Cats Plain and Fancy Show** in the Grand Ballroom of the Copley Plaza, Boston, Saturday and Sunday from 10am to 5pm. Admission is \$3; children and senior citizens get in for \$1.50. Proceeds benefit feline welfare groups.

## classified advertising

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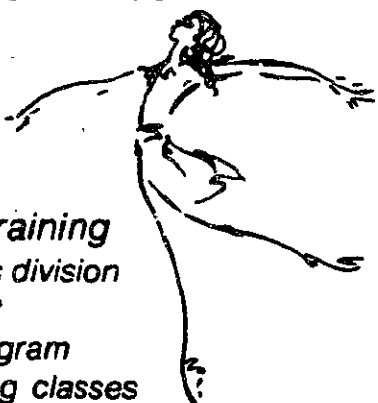
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# news roundup

## World

**New ceasefire called in Middle East** — Israel resumed the fighting in Lebanon yesterday by bombing targets in Beirut. A new ceasefire, the eleventh in the two month-old siege, was called in the evening. President Reagan called Israeli Prime Minister Begin to "express his outrage," and declared that "this ceasefire must last." These developments come just as it seemed the peace mission of special US envoy Philip Habib would succeed. Talks were halted, but are expected to resume today.

## Nation

**Henry Fonda dies at age of 77** — Henry Fonda, father of Jane and Peter Fonda, died yesterday in Los Angeles after a long fight with heart disease. His wife, Shirley, said Fonda was peaceful and conscious up to the very end. Jimmy Stewart proclaimed, "I have lost my best friend."

## Local

**Cambridge challenges Somerville to ballgame** — The mayors of Cambridge and Somerville will meet in a crosstown softball match today at Donnelly Field in Cambridge. The mayors will be reinforced by city police and employees in the match, which is being billed as "The Softball Game of the Year." Mayor Vellucci of Cambridge has promised Mayor Brune of Somerville that he can have Cambridge if he wins. Brune, confident of victory, has already printed up press releases announcing "Mayor Brune to annex Cambridge." Vellucci, also known as Chief Little Velvet, is very optimistic has already started planning for a victory celebration, and has volunteered to procure ambulances for the Somerville team. Donations from spectators and fans will benefit Muscular Dystrophy research.

## Weather

Today will be cool with the high about 66. There will be mixed clouds and sunshine with a slight chance of rain. Tonight the low will be from 54 to 58 with partial clouds. Tomorrow will be mostly sunny with the high from 73 to 77.

Charles Brown and Bill Giuffre

## Professor says volcanic dust changes climate

(Continued from page 1)

weather," commented Newell. "There was a very high cloud of dust. It will take about a year for it to degenerate into sulfates."

Dust and ash from the volcano have banded the earth from the equator to about 30° North latitude at an altitude of about 16 kilometers. In this band scientists have noticed the greatest decrease in radiation, although the effect slowly decreases to the north and south.

Boston is north of the band of debris.

The greatest visual effects of the dust and ash are a red sky just before sunrise and just after sunset. "These effects were well noted in England," Newell said.

"The debris can stay up for many years and if it does I would certainly expect some kind of temperature change," Newell noted. "But it is almost impossible to say right now how something like snowfall will be affected by this."

Newell compared the eruption of El Chichon to the Mount St. Helens eruption in 1980 and to that of Mount Agung on Bali in 1963. Mount Agung exploded with a force of about two megatons, and Mount St. Helens with about half a megaton; the force with which El Chichon erupted has not yet been determined.



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## Non-registrants' loans, student aid threatened

(Continued from page 1)

Educational Opportunity Grants, the College Work-Study Program, National Direct Student Loans, and State Student Incentive Grants.

Opponents argued that the measures are discriminatory, because students who do not need

financial aid would not be affected, that men already face criminal penalties if they fail to register, and that the legislation does not account for men with moral or religious objections to military service.

Both houses approved the amendments by large majorities.

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