

## Most Frosh Pass Essay, Math Tests

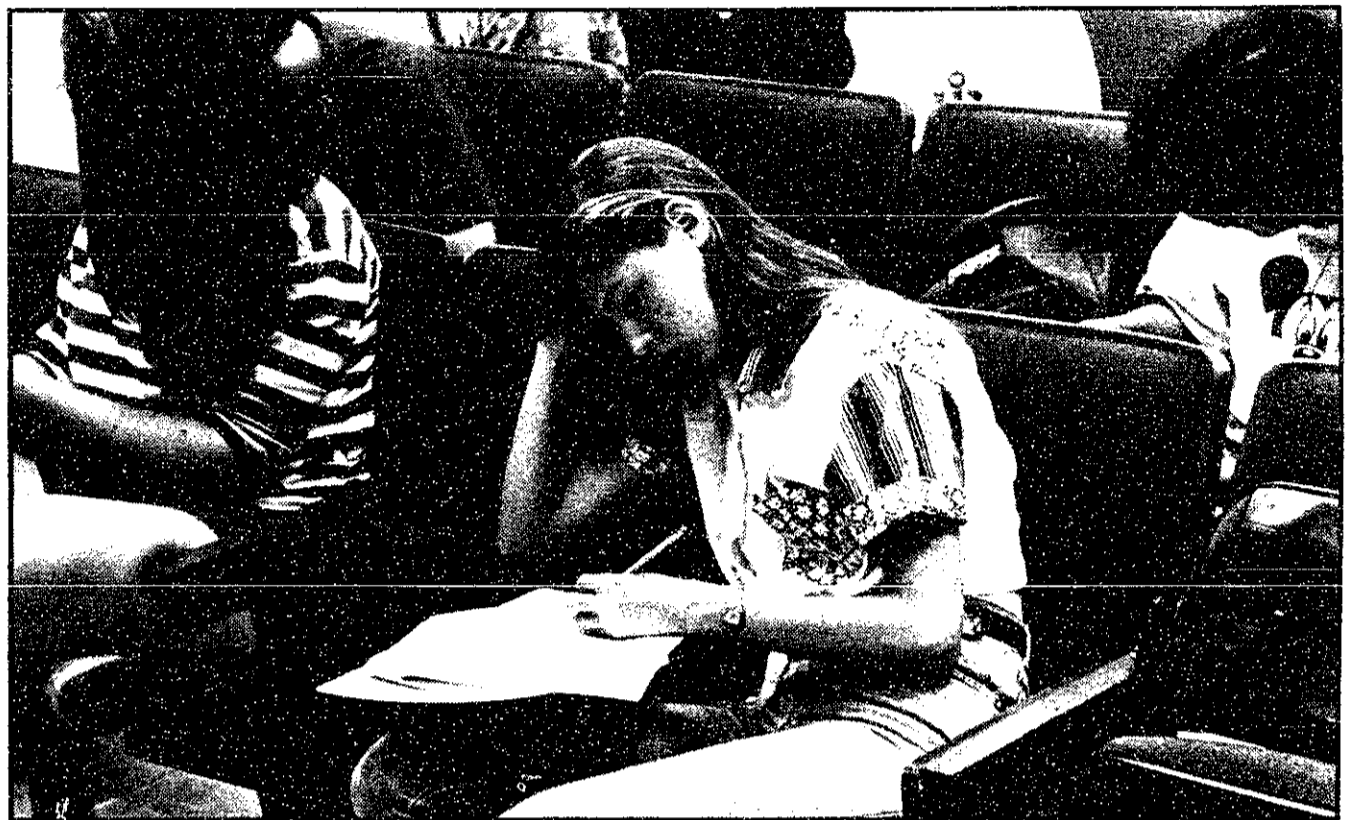
By Eva Moy  
NEWS EDITOR

When freshmen meet with their academic advisers within the next few days, they will find out how they did on the freshman essay evaluation and pre-calculus math diagnostic tests they took last Friday.

Thirty-nine percent of the 1000 students who took the essay evaluation received a passing score, down from 41 percent last year. In addition, 11 percent received a "conditional pass," and the remaining students received one of two "not acceptable" ratings, according to Assistant Dean and Coordinator for the Writing Requirement Leslie C. Perelman.

Of the 1073 freshmen who took the math diagnostic, 54 percent received an "adequate" rating, 20 percent were weak in one area, and 26 percent were weak in two areas or had a total score too low to pass, said Margaret S. Enders, assistant dean for curriculum support.

Last year was the first time that both of these exams were given on the same day. "My sense is that [if] they're going to have to do this,



YUEH Z. LEE—THE TECH

Exams, Page 9 Freshmen take the advanced standing exam for Calculus I (18.01).

## Housing Assignments Delayed

By Prasanna Tambe

Yesterday evening, freshmen found out the results of the housing lottery and made the move to their permanent dormitories. Most were pleased with their dormitory assignments, but a few were disappointed.

The lottery was conducted in a similar manner to lotteries of past years, explained Andrew M. Eisenmann '75, assistant dean for residence and campus activities. On the first pass, students are placed in their first choice dormitories. Some are then moved to under-subscribed dormitories, which are also usually within the student's top three choices. In addition, the lottery takes into consideration the male to female ratio in each dormitory.

Because of hardware problems, the housing results were handed out over an hour late yesterday. "We were then forced to use our backup

system," which involved using hand-written preference cards, Eisenmann said.

### Unofficial Dormitory Assignments

Baker House	91	85
Bexley Hall		N/A
Burton House	106	105
East Campus	113	113
MacGregor House	60	60
McCormick Hall	62	63
New House		N/A
Next House		N/A
Random Hall	22	20s
Senior House	57	57

N/A=Not Available  
Sources: Dormitory Desks or Housing

Freshmen began lining up as early as 3:00 p.m. to receive their dormitory assignments. The line wound around and filled the entire second floor of the Student Center.

Although a few students, like James C. Li '97, felt the delay was "understandable, because there's a lot of stuff to process," most students were upset.

"I think they could have handled it a lot better," said Jeff Tsay '97.

"It's kind of frustrating," added Mark Roh '97.

Some students, including sophomore transfer student Rana Biswas '96, were trying to decide between pledging a fraternity and entering the dormitory system, and were anxious to learn the results of the lottery. Biswas said that "after a day's worth of programming," the delay was disappointing.

Dormitories, Page 9

## Chemistry Classes Promote Teamwork

By Hyun Soo Kim  
ASSOCIATE NEWS EDITOR

This semester, freshman chemistry courses will offer a pilot program called TeamWorks. The program emphasizes teamwork by offering students the option of working in groups of four to learn the course material.

The freshmen chemistry courses are Principles of Chemical Science (5.11) and Introduction to Solid State Chemistry (3.091).

According to Melinda G. Cerny, coordinator of education for the chemistry department, TeamWorks participants will help and learn from each other. "We're hoping to have members of a team who have a lot of chemistry background and other members who do not have as much

... and that people will learn from each other and eventually take on this [team-working] skill to use in other subjects," Cerny said.

The team will receive the same course materials as the rest of the class, but will meet at least once a week to discuss and work on problem sets. Team members will take exams individually.

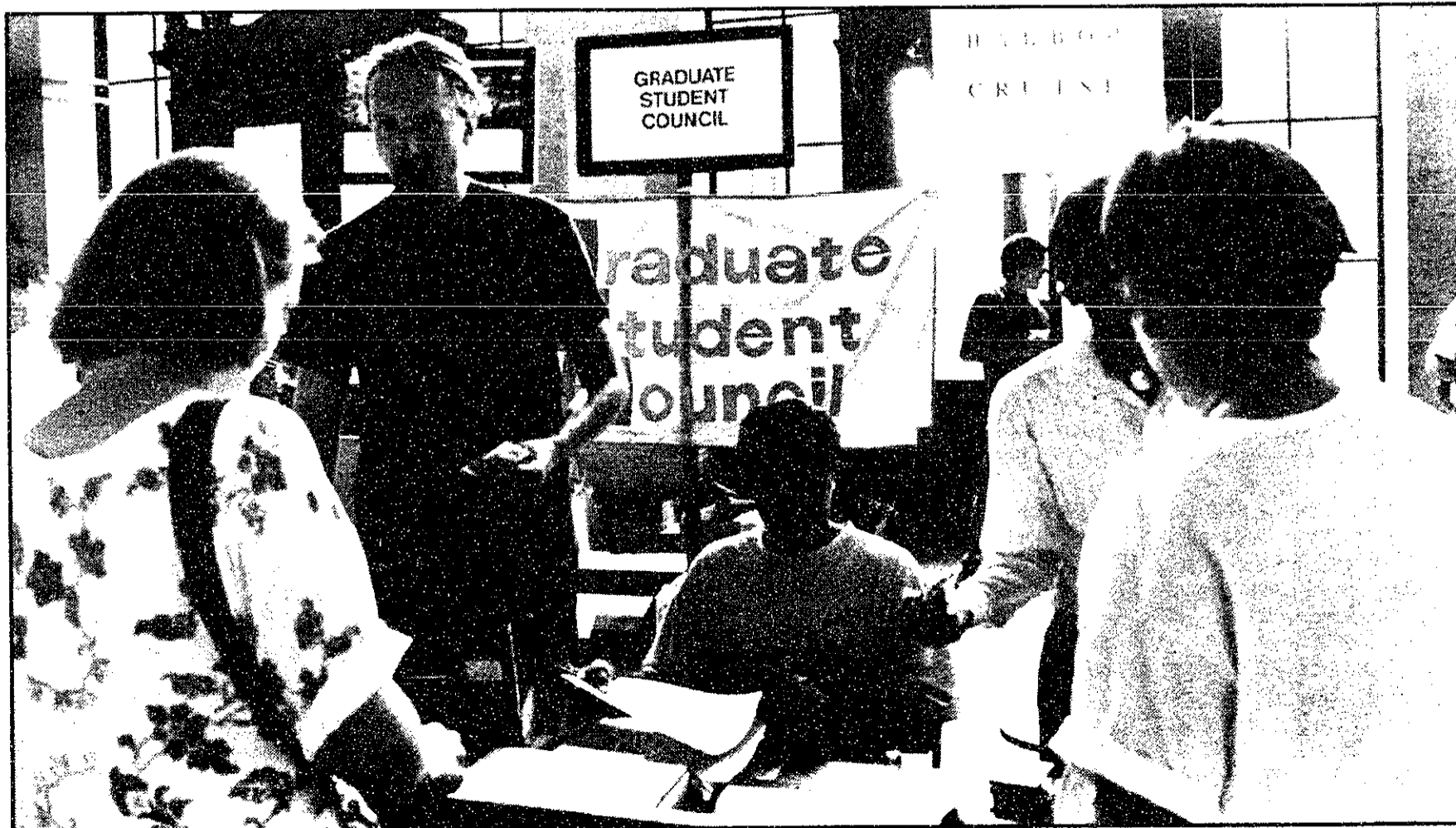
### Grading differs for 5.11, 3.091

In 5.11, a TeamWorks participant will get the individual grade or the team average grade, depending on which is higher and as long as the grade is passing. "If an individual receives an A and the team average is a B, then the individual gets an A. The higher grade is what you get. But if your team gets a C, and you get a D, you would get a D. The only time a team grade counts is if the individual has at least a passing grade," Cerny said.

On the other hand, grades in 3.091 will consist of two-thirds of the individual grade and one-third of the group grade. Professor of Material Science and Engineering August F. Witt said, "It lowers the grade of the top student and raises the lowest grade in the group."

Including the team grade as part of the grade the student will receive provides incentive for the team to

TeamWorks, Page 7



New graduate students meet representatives from the Graduate Student Council in Lobby 10 today.

YUEH Z. LEE—THE TECH

## INSIDE

■ MIT to have first campus-wide homecoming celebration. Page 7

■ Fall, winter, and spring sports previewed.

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# WORLD & NATION

## Cashier Testifies Williams Made Threats, Bricked Denny

LOS ANGELES TIMES

LOS ANGELES

A gas station cashier testified Monday that Damian Monroe Williams hit trucker Reginald O. Denny on the head with a brick at the outset of the Los Angeles riots last year and that Williams earlier had threatened to attack and kill people.

The cashier, Gabriel Quintana, is the first prosecution witness to directly identify either of the two defendants on trial for attempting to kill Denny and for assaulting or robbing five other motorists and two firefighters as they passed through the intersection of Florence and Normandie avenues as rioting broke out on April 29, 1992 in response to the acquittals that day of four police officers charged in the beating of black motorist Rodney G. King.

Quintana's testimony that Williams had threatened to kill people is critical to prosecutors' efforts to establish the defendant's intent — a necessary element in the charge of willful, deliberate and premeditated attempted murder.

Quintana, 22, said Williams and several other people attacked his cashier's booth after beating Denny, breaking bullet-proof glass with bricks, a hammer and a dolly. He said he fled to a bathroom, but his assailants removed the door from its hinges, dragged him out, kicked, beat and robbed him of between \$90 and \$100 of his personal money. Williams, he said, slammed his face into a window.

## AFL-CIO President Rules Out NAFTA Compromise

THE WASHINGTON POST

WASHINGTON

AFL-CIO President Lane Kirkland Tuesday ruled out any compromise with the White House over the North American Free Trade Agreement and warned that labor would "go for broke" to defeat the treaty in Congress.

Kirkland said it was too late to try to reach any agreement with the White House. "At this stage I think that (possibility) has been overtaken by events," he said. Kirkland said he thought at one point that the treaty could be renegotiated, but that point had passed.

Democratic leaders in the House predict overwhelming opposition to the treaty. Majority Whip David E. Bonior, D-Mich., the third-ranking Democrat, said last weekend that as many as three-fourths of the House members may vote against the treaty.

Opposition to the treaty has been led by organized labor, which fears massive job losses to Mexico, and by a coalition of environmental organizations that fear a shift in production from the United States to Mexico, where environmental standards are weaker.

NAFTA, negotiated under the Bush administration, would remove most trade barriers among the United States, Canada and Mexico, creating the world's largest free-trade market.

## Skin Test Would Allow Quick Diagnosis of Alzheimer's Disease

LOS ANGELES TIMES

A new skin test may allow rapid diagnosis of Alzheimer's disease and may also be able to predict who will develop the disease, a finding that may make possible more effective treatment for the disorder.

Alzheimer's, which affects as many as four million Americans, producing severe memory loss and eventually death, can now be diagnosed only by excluding all other possible diseases.

"This discovery, if confirmed, could provide a big step forward in our efforts to deal with and understand the disease," said Patricia Grady, acting director of the National Institute of Neurological Disorders and Stroke, where the research was conducted.

Researchers have been intensively seeking new diagnostic techniques to complement a number of potential treatments for the disease now being studied, such as the recently approved drug tacrine.

The hope is that these treatments will be much more effective if they are used in the early stages of the disease, but it has been impossible to test such a theory because of the inability of clinicians to identify Alzheimer's victims at an early stage.

## WEATHER

### Emily Heads Northeast

By Michael Morgan  
STAFF METEOROLOGIST

While Hurricane Emily is expected to move away from the U.S. mainland during this forecast period, stay tuned to local radio and TV for updates on Emily's progress for the next 18-24 hours. Coastal sections of far southern New England and the islands off Cape Cod may experience some occasional heavy rain with gusty winds and beach erosion through early Thursday.

Our weather will be influenced by the interaction of Emily with a cold front that will have passed through the area this morning and stalled to our south. The circulation around Emily will advect warm, moist air over the frontal surface in our area. Consequently rain and rain showers will result. The persistent easterly flow that will develop over the area later today will serve to keep temperatures down and cloud cover in. While Emily will be well to our east on Thursday, the front should hang around — keeping our weather damp and cool.

Clearing weather is anticipated for late in the week.

**Today:** Mostly cloudy and turning cooler. Rain and rain showers developing. Winds northeast 10-15 mph (16-25 kph) with higher gusts in the Boston area, 15-30 mph (25-50 kph) and gusty on the Cape and the Islands. High 69-75°F (21-24°C).

**Tonight:** Cloudy with areas of fog, drizzle, and occasional rain. Low 63-68°F (17-20°C).

**Thursday:** Variably cloudy and mild. A few showers still possible. High 75-80°F (24-27°C). Low 65°F (18°C).

# Mideast Agreement Should Be Signed in U.S. Next Week

By Thomas W. Lippman  
and David Hoffman  
THE WASHINGTON POST

Participants in the Middle East peace negotiations said Tuesday they expect Israel's landmark agreement with the Palestine Liberation Organization to be signed in Washington next week, but the question of who will sign for the PLO is still being negotiated because Israel has not formally recognized the group.

Secretary of State Warren Christopher said the United States will "strongly support" the deal and will participate in an international financial aid program for the proposed PLO-run territories in the Gaza Strip and Jericho.

The agreement between parties once thought to be the Middle East's most implacable enemies threw a cloud of confusion over the 11th round of U.S.-brokered peace negotiations, which began here Tuesday.

With crucial political negotiations continuing in Norway and the Middle East, Palestinian delegates were wondering what their negotiating mission was, participants said. Representatives to the talks here from Jordan, Lebanon and Syria appeared to be marking time, waiting to see what happens between Israel and the PLO.

U.S. and Israeli officials cautioned against any expectation that the Israel-PLO accord would lead to an early peace agreement between Israel and Syria. Syria has not committed itself to the Israel-PLO deal, officials said, and Israel is facing such a domestic political uproar over its agreement with the PLO that it is unwilling to press for progress on

the Syrian front at this time.

U.S. officials and other participants stressed that arduous details remain to be negotiated before the agreement, which confers limited Palestinian self-rule on the Gaza Strip and the West Bank town of Jericho, can be fully implemented. They likened the current situation to the tense period that existed between the autumn of 1978, when Israel and Egypt reached an accord at Camp David.

But it was clear that a historic turning point had been reached in the volatile region with the announcement this week of the Israeli-PLO accord. The PLO appears prepared to accept officially the existence of Israel, 45 years after the creation of the Jewish state, while Israel has agreed to negotiate issues previously off-limits, including the status of Jerusalem.

The agreement, negotiated secretly in Oslo, stands on its own, regardless of the outcome of future negotiations in which Israel and the PLO would officially recognize each other, a senior Israeli official said. But the lack of agreement on recognition created uncertainty about who will represent the Palestinians at next week's planned signing.

Senior PLO officials want to come to Washington for a ceremony, Arab diplomats said, but the United States has not formally recognized the PLO, which it still considers a terrorist group. Israel is not yet prepared to sit down with senior officials of a group still nominally committed to Israel's destruction.

"There's been no change in our policy with respect to the PLO at the present time," Christopher told reporters Tuesday. "On the other hand,

this is a rapidly changing environment."

In Jerusalem, Israeli officials said they were in the midst of talks with the PLO about the issue of mutual recognition. A senior Israeli diplomat, Uri Savir, director-general of the Foreign Ministry, is talking with PLO officials in Norway about meeting Israel's conditions for full recognition.

Deputy Foreign Minister Yossi Beilin told reporters that those conditions are acknowledging the right of Israel to exist, "putting an end to terrorism" and changing the PLO covenant to delete references to carrying out armed struggle against Israel.

Beilin said he was not optimistic that the PLO was about to make the change. He said Israel would insist on some tangible proof that the PLO had changed its ways.

Bassam Abu-Sharif, a senior aide to PLO Chairman Yasser Arafat, told reporters in Tunis that the PLO covenant has been "superseded" by events. PLO officials said similar things in declaring their acceptance of Israel four years ago.

Even by Middle East standards, Tuesday's events were both extraordinary and confusing. Senior Israeli and PLO officials — the same ones still dancing around the question of whether to recognize each other — spent much of the day giving speeches and making television appearances defending their agreement against a barrage of criticism from Israelis and Arabs.

Arafat, on the stump in Egypt, called it a "historic achievement." Peres, on "CBS This Morning," said it could end "a hundred years of hatred, of suffering, of misunderstanding, of terror, of war, and offer our children a new morning."

# Supreme Court Challenges Redistricting Based on Race

By Timothy M. Phelps  
NEWSDAY

WASHINGTON

Even as blacks and Latinos are becoming a major power in Congress, a Supreme Court decision this summer has thrown into question the redistricting process that put many of them into office.

The court upheld white Democrats' challenge to a bizarrely shaped North Carolina district whose black majority sent a black to the House of Representatives in 1992 — one of two elected from the state for the first time in history. Depending on how the court's confusing decision is read, however, anywhere from a handful to several dozen of the 57 seats held by blacks and Latinos could be challenged. Many more state legislative and local districts also could be in jeopardy.

The Supreme Court, divided 5-4, even left in doubt the constitutionality of a key section of the Voting Rights Act of 1965, the agent of most of the considerable change in the complexion of American politicians in recent years. And it extended its challenge of minority preferences in college admissions and government contracting.

Melvin Watt, the 48-year-old black businessman elected to represent North Carolina's 12th District, says that the court's opinion calling his district lines "political apartheid" is itself racist.

The boomer constrictor-like design of the 12th, which is 160 miles long and in some places is no wider than the interstate highway it hugs across the state, has made it the subject of much derision. But Watt, in a recent interview, said it is as cohesive as any congressional district because

the majority of his constituents are poor urban dwellers in cities connected by Interstate 85.

Moreover, Watt said, 45 percent of his constituents are white and he could not have been elected, particularly in a crowded primary, without substantial white support.

"This is the most integrated district North Carolina ever had, when you think about it," the congressman said. "Implicit in (the Supreme Court's) opinion is the assumption that white representatives can effectively represent white and black people while black representatives are capable of representing only black constituents and that we will disregard in some way the white constituents in our districts," he said.

But Melvin G. Shimm, a law professor at Duke University, said that he and the other plaintiffs, all Democrats, had brought the suit as a matter of principle.

"The most important civil right of all is the right to vote," Shimm said. "This trumps all of the others. Our feeling is that anything that compromises or corrupts the integrity of the process is very vigorously to be opposed."

The plaintiffs did not base their claim on any loss of white voting power. Though the state elected its first two black congressmen in history in 1992, 10 of the 12 House seats are still held by whites, who make up 78 percent of the population. Rather, the plaintiffs said that the segregation of voters into separate districts by race violated their constitutional right to a "color blind" electoral process.

The Supreme Court, in an opinion written by Justice Sandra Day O'Connor, overturned lower court

decisions upholding the redistricting and ordered further court proceedings on whether the state had any basis for drawing the district other than race.

O'Connor, in one section of her opinion, seemed to be concerned only with districts with bizarre shapes like the 12th, an interpretation that experts say might affect half a dozen congressional districts.

But elsewhere O'Connor explicitly refused to decide whether the intentional creation of so-called majority-minority districts, without other justifications, is constitutional. Legal and political experts said that if the answer is no, many more districts could be jeopardized.

While never explicitly mentioned in the Supreme Court's opinion, partisan politics have been as involved in the drawing of minority districts as race itself.

North Carolina originally planned only one majority-minority district until the Justice Department under then-President Bush intervened, forcing the state to draw a second one and more closely follow the 1990 Census.

The Republican Party has in the past had an admitted strategy of encouraging the formation of such districts nationwide. Some Republican leaders foresaw that concentrating black votes, usually in urban districts, would dilute black voting strength in suburban districts. Since blacks vote overwhelmingly Democratic, that would help elect Republicans — which is exactly what happened in the 1992 congressional elections in states from Florida to Ohio.

Critics of the ruling note that the Supreme Court has been very reluctant to interfere with states' redistricting decisions in almost any other situation.

# Gore Suggests Biennial Budget

By Stephen Barr  
and Eric Pianin  
THE WASHINGTON POST

WASHINGTON

Vice President Gore's National Performance Review will recommend that the government adopt a budget every two years — instead of annually — and ask Congress to loosen its control over how and where money is spent, according to a draft report of the "reinventing government" initiative.

The idea of going to a biennial budget is already gathering steam on Capitol Hill, but efforts to tamper with the right of appropriations committees to "earmark" funds for specific projects are likely to encounter strong resistance.

In addition to revamping the budget process, the draft report outlines major changes in the civil service system and promises to "eliminate thousands of other regulations that hamstring federal employees, cutting the final Lilliputian ropes on the federal giant."

The draft prescribes a series of executive orders for Clinton to issue and provides a list of recommendations that require congressional approval. Many are aimed at saving money or making government more responsive to taxpayers. They include:

- Pledging that tax refunds will be mailed by the Internal Revenue Service within 40 days — and even

faster if taxpayers file by computer.

- Promising that "on most days" the Social Security Administration will answer its 800 number "the first time you try."

- Creating a President's Management Council to conduct a governmentwide review and submit within 18 months a report on closing and consolidating civilian federal facilities. The Agriculture Department alone has more than 11,000 field offices across the country.

- Restructuring the nation's air traffic control system into a government-owned corporation, supported by user fees and governed by a board "that represents the system's customers." Relieved of operational responsibilities, the Federal Aviation Administration would focus on regulating safety.

The 162-page draft recounts Washington's failures — from the budget deficit to wasteful practices to ineffective regulations.

Government workers "fill out forms that should never have been written, follow rules that should never have been imposed and prepare reports that serve no purpose — and are often never even read. In the name of controlling waste, we have created paralyzing inefficiency," the report says.

The draft, dated Aug. 23, is one of several circulating inside the executive branch as Gore's team

continually updates the report, scheduled for release Sept. 7. The draft report does not provide estimates on how much would be saved by the streamlining proposals.

Marla Romash, the vice president's director of communications, said Monday that "the August 23rd draft is most certainly outdated." It has been rewritten four times since then, she said, adding, "There are things not included, things dropped and things clarified."

Sections of the report, however, seem assured of administration approval, as they mirror what Gore has said to federal workers in his "town hall" meetings over the last six months.

The civil service system — recruitment, hiring, job classification, promotion, pay and bonuses — faces a major overhaul, for example.

Clinton would issue an executive order phasing out the Federal Personnel Manual and all agency implementing directives, totaling about 10,000 pages, on Dec. 31, 1994, the draft says.

Agencies, in turn, will be given the authority to recruit and test for all job openings, including the Senior Executive Service, the draft says. Recruitment, hiring and promotions are currently handled by the Office of Personnel Management, and changing the personnel rules would require approval by Congress.

# New Figures Show '92 Economy Was More Robust than Believed

By Robert A. Rosenblatt  
and Greg Miller  
LOS ANGELES TIMES

WASHINGTON

Economic growth was far more robust during the final year of George Bush's presidency than previously reported, and the 1990-1991 recession was much milder than generally believed, the Commerce Department said Tuesday.

The changed numbers, which represent a more accurate survey of activity at the nation's retail stores and shopping malls, as well as updated corporate tax returns, show that consumer spending was substantially more buoyant in the months preceding Bush's defeat in November 1992 than believed at the time.

Viewed alongside other new Commerce Department figures showing economic activity this year, the revisions overturn conventional beliefs about the nation's economy under Bush and the man who defeated him, President Clinton. Instead of showing an economy improving rather steadily from the 1990-91 recession, the latest numbers indicate that the economy

rebounded sharply under Bush and has slipped back to a much slower rate under Clinton.

"It clearly shows that the perception is more important than the reality, that spin control is more important than the actual number," said Martin Regalia, chief economist at the U.S. Chamber of Commerce.

The economy in 1992 "was doing significantly better than the Democrats were saying, but then the Democrats quit saying that the minute Clinton got elected," Regalia noted.

Michael Penzer, senior economist at Bank of America in San Francisco, said, "There must be people in the White House this morning (saying), 'Thank God these numbers weren't released during the election.'"

The revised numbers show that the nation's output of goods and services grew 3.9 percent from the fourth quarter of 1991 to the fourth quarter of last year, substantially higher than the original figure of 3.1 percent. The 3.9 percent growth was the highest since a 5.1 percent rate of expansion in 1989, though still well below the highs of 8 percent in the boom years of the mid-1980s.

During the recession, which ran from July 1990 through March 1991, economic output — formally called the gross domestic product, or GDP, — declined at an annual rate of 2.1 percent, a slump far less than the earlier estimate of 2.9 percent.

Commerce officials emphasize that the revisions, some of which are among the biggest ever made by government statisticians, are based on more precise data than was available when the initial announcements were made. In particular, they reflect the increased role that discount superstores and mass merchandising outlets play in the retail market. The new numbers also demonstrate the limited ability any president, whether Democrat or Republican, has in significantly changing the direction of the economy. They also highlight the risk involved.

"It really makes the implementation of any kind of economic policy extremely hazardous in the sense that the numbers on which the policy are based are often wrong and subject to substantial revision," said economist Norman Robertson, an adjunct professor at Carnegie-Mellon University in Pittsburgh.

# Consumers Rightfully Pessimistic

By H.J. Cummins  
NEWSDAY

Still glum about job prospects, Americans remain pessimistic about the economy, according to the August measure of consumer confidence released Tuesday by The Conference Board.

And there is reason for their pessimism, according to the Commerce Department's measure of the nation's economy, revised Tuesday for the April-June quarter. Although the annualized growth rate of the gross domestic product — the sum of all goods and services produced within U.S. borders — was slightly higher than previously estimated, it still languished at an uninspiring 1.8 percent.

"You have to acknowledge that 1.8 percent is still a very weak number," said Roger Shields, senior economist at Chemical Bank in New York. "It's better than the first quarter's 0.8 percent but ... we're feeling grateful for small favors. The numbers are not good. They

don't reflect a strong economy. And I think you still have very worried consumers."

The Conference Board, a New York-based business research group, cited job fears as central to consumer pessimism. Twice as many respondents expect fewer jobs in the next six months as expect more jobs. That's among the 5,000 households polled nationwide.

The consumer confidence index registered 59 in August, about the same as in July and identical to last August — but a full 18 points below January's figure. The index sets the year 1985 as 100.

Government adjustments to the second-quarter gross domestic product showed sharper deterioration in the U.S. trade balance, and analysts largely blamed the weak economies of the biggest U.S. trading partners, Europe, Japan, Canada and Mexico. Also adjusted down was consumer spending, which accounts for about two-thirds of economic activity.

On the other hand, government

spending rose, and analysts credited state and local construction projects. Also, business inventories rose \$13.9 billion in the quarter instead of the \$6.3 billion initially estimated.

"But you can't feel awfully good about something that results in a big buildup of inventories," Shields said, because big supplies of goods now mean less work ahead for producers.

The Commerce Department also revised its quarterly gross domestic product figures back to 1990. The new numbers generally show that the 1990-91 recession was less severe than first measured and the recovery last year was stronger.

The most striking revision was for last year's final quarter, with the annualized growth rate raised from 4.7 percent to 5.7 percent. Analysts said consumer spending surged as higher-income Americans shifted bonuses and other early 1993 earnings into the quarter to avoid the tax increase they expected this year.

# Police Officer Who Beat King Seeks Reinstatement

LOS ANGELES TIMES

LOS ANGELES

On the surface, Officer Theodore J. Briseno's long-awaited Los Angeles Police Department disciplinary hearing appears to probe a single, simple question: Did he use excessive force when he stomped or pushed black motorist Rodney G. King to the pavement on March 3, 1991?

Briseno's hearing, postponed for more than two years while he has gone on trial twice for his actions, will likely delve into questions that are far more complicated and politically charged.

Among them: Did Briseno lie when he testified in California state court that he tried to stop his police colleagues from beating King after King led them on a high-speed chase? Did he make up a story about returning to the police station to report the force? And, most controversially, is the LAPD trying to strip Briseno of his job not because he used force on King but because he violated the police "code of silence" when he turned on his fellow officers in Simi Valley?

As those questions suggest, Briseno's case has long been the most complicated to arise from the beating that shook the city's police department, ultimately led to the 1992 Los Angeles riots and forged a national debate on the use of force by police officers. Ironically, Briseno's case is so difficult largely because the infamous videotape of the beating shows him doing relatively little, and what he does is subject to widely different interpretations.

In essence, Briseno makes two appearances on the tape, at one point blocking Officer Laurence M. Powell and later stepping down hard on King's back or neck. Between those moments, he can be seen on the periphery of the incident, but he otherwise is outside the center of the fray.

# New Defense Policy Review Promotes Status Quo, Some Say

LOS ANGELES TIMES

WASHINGTON

President Clinton has given final approval to a major review of U.S. defense policy, but officials say it is likely to recommend only modest changes in current military programs, despite Clinton's campaign calls for a major overhaul of Pentagon strategy.

The long-awaited report, undertaken by Defense Secretary Les Aspin and known as the "bottom-up review," is intended to set forth the administration's overall defense strategy and long-range military spending plans for the post-Cold War world.

But indications are that despite five months in the making, the plan — scheduled to be made public Wednesday — will be remarkably similar to the defense policy and force structure enunciated by the Bush administration, which Clinton criticized during the campaign.

Indeed, U.S. officials project that the changes the Pentagon is proposing actually will require the administration to spend about \$2.8 billion a year, or \$14 billion over five years, more than Clinton's current military spending plan — a modest but significant increase.

Military experts say the recommendations reflect a growing feeling within the administration that the United States must maintain a strong U.S. military presence abroad — a development that stems from its frustrating experiences with Bosnia, Somalia and North Korea.

# Justice Department Going After Computer Child Pornography

LOS ANGELES TIMES

WASHINGTON

Federal obscenity hunters, who believed they had made strides in curbing the distribution of child pornography through the mail and other traditional methods, said Tuesday they are now combatting a new version of the problem: lewd material generated and distributed by computer from Denmark and elsewhere.

"We're right back, unfortunately, where we started," said J. Robert Flores, senior trial attorney in the Justice Department's child exploitation and obscenity section. "Much of the material is again surfacing in computers."

So far, federal prosecutors have filed child pornography charges against six people and as many as nine more cases may be brought this month, said George Burgasser, acting chief of the section. The charges are based largely on information obtained by U.S. Customs Service agents during 31 searches in 15 states and 30 cities in March.

The current effort began with a May 1992 search of a Danish citizen's home by Danish police that resulted in the seizure of a computer system, records and hundreds of pornographic photographs of children.

Customs agents estimated that 45 Americans were importing child pornography through the two systems. That conclusion led to the March raids, dubbed "Operation Long Arm" and characterized by Burgasser as "the largest anti-child pornography operation in U.S. history."

The Justice Department also hoped to "serve notice that it will not allow trade" in child pornography, "regardless of whether it is by conventional or high-tech methods," he said.

# Jackson Undergoes Brain Scan, Is Deemed Fit to Tour

LOS ANGELES TIMES

SINGAPORE

Pop star Michael Jackson underwent a brain scan Tuesday after canceling a concert because of a migraine headache. His doctor said Jackson was fit and would resume his concert tour.

Jackson appeared animated Tuesday as he joked and waved to fans waiting outside his hotel. He was taken to Singapore's Mount Elizabeth Hospital for the magnetic resonance imaging scan, which provides views of the brain in three dimensions.

David Forecast, Jackson's British doctor, said the singer's scan was "entirely normal." He said a local consulting neurologist concurred with his diagnosis of "late onset migraine."

Jackson's concert before 45,000 people in Singapore was abruptly canceled Monday night. The singer appeared visibly in pain and had to be supported under the arms when he returned to the Raffles Hotel.

In a recorded message played at a news conference, Jackson said he was "suddenly taken ill" and apologized for disappointing his fans.

# OPINION



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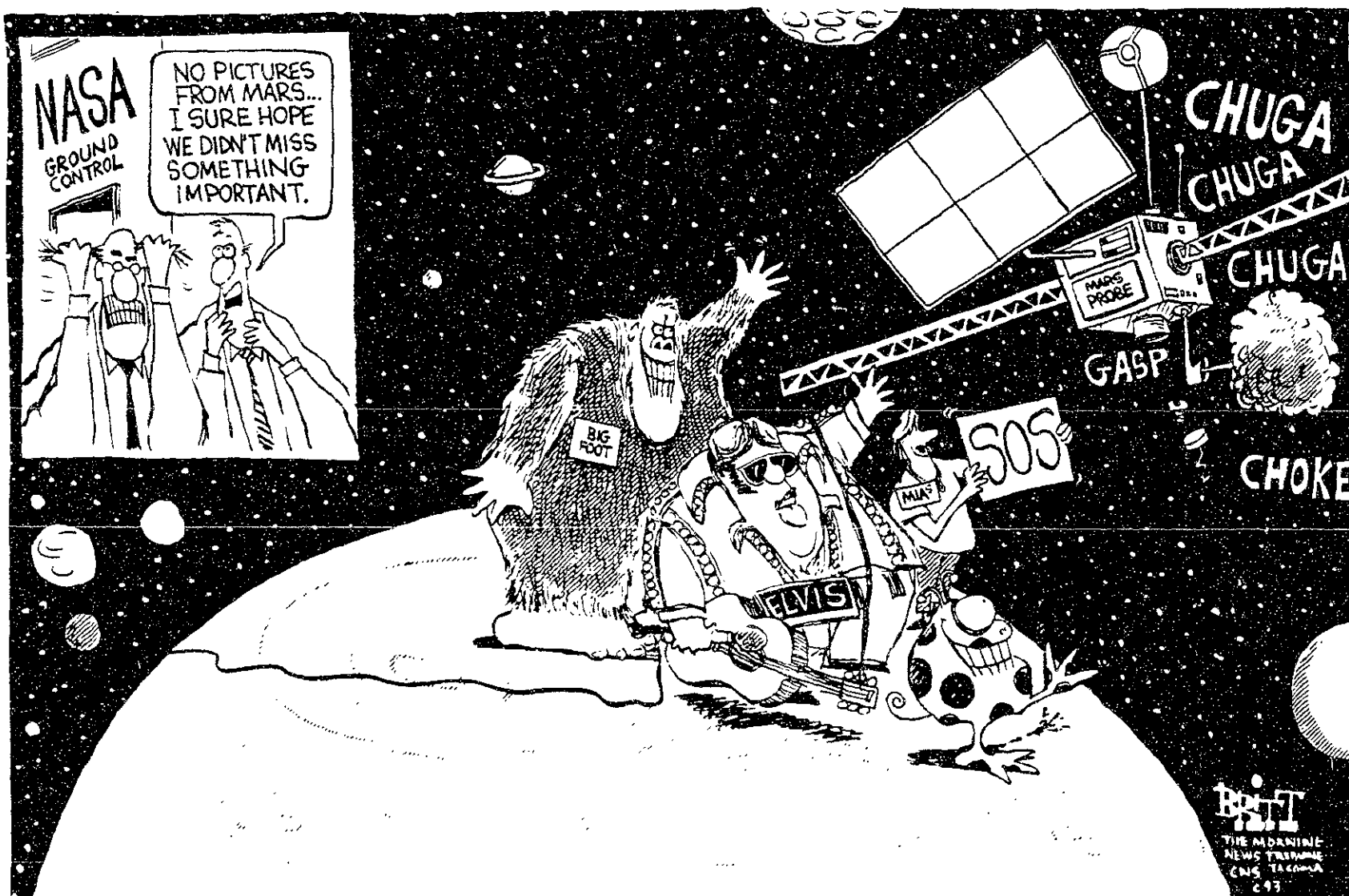
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**BEAT**



"You've got two rounds of peace talks today . . . one with the Israelis, the other with your senior advisers."



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**Dissents**, marked as such and printed in a distinctive format, are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

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**Letters to the editor** are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 29, MIT Branch, Cambridge, Mass. 02139, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to letters@the-tech.mit.edu. All submissions are due by 4 p.m. two

days before the date of publication.

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## To Reach Us

Electronic mail is the easiest way to reach any member of our staff. Mail to specific departments may be sent to the following addresses on the Internet: ads@the-tech.mit.edu, news@the-tech.mit.edu, sports@the-tech.mit.edu, arts@the-tech.mit.edu, photo@the-tech.mit.edu, circ@the-tech.mit.edu (circulation department). For other matters, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person.

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MIT Information Systems

## Before you buy any Ethernet equipment

### READ THIS!

If you're considering buying an Ethernet card (or related device) to connect to the network drop in your residence, read on...

#### Undergraduate Dormitory Residents

Wait until second semester before you buy any networking equipment such as Ethernet cards, adapters, or cables. By waiting, you can shop for a greater variety of equipment and lower prices.

#### ILG Residents

Before you buy, find out about the type of connectivity offered in your ILG. Your house's Network Administrator should be able to help you choose the appropriate cards, adapters, and cables.

#### Products available at the MIT Computer Connection

The MCC carries a variety of networking products that have been thoroughly tested and are recommended by Information Systems for use on MITnet. If you must buy a card right now, you should be able to use any of these devices without a problem.

#### Inexpensive products

You may find Ethernet equipment that is less expensive than the products offered at the MCC. Before buying any of these products, be aware that they may not work as well as you'd expect them to work. If you have a question about a specific card or device, send e-mail to <resnet-help@mit.edu> or call x3-4101. A network consultant should be able to help you decide whether or not your potential purchase would be a wise one.

#### Cautionary note

Information Systems has encountered some problems with Ethernet cards from the following companies:  
IBM Ungerman-Bass  
SMC Western-Digital

#### For more information

For general information, look in TechInfo under the Resnet folder in the Computing folder.

If you have more specific questions, send email to <resnet-help@mit.edu> or call x3-4101.

# Frequently Asked Questions About Resnet

by Michael Barrow <mlbarrow@mit.edu>

#### • What is Resnet?

Resnet is a project to extend MITnet connectivity to student residences. The first step is to extend service to each independent living group (ILG) for Fall 1993 and to each room in undergraduate dormitories by Spring 1994.

For more information on this project, see "IS Dorm Networking Proposal - An Overview," "IS ILG Networking Proposal - An Overview," and "Resnet FAQ," a more complete version of this article. All these documents are available in the "Resnet" folder under the "Computing" folder in TechInfo.

#### • Where can I get information about Resnet?

In an effort to deal with all the questions surrounding Resnet and in the hopes of promoting discussion throughout the entire MIT community, IS has set up the following mailing lists and discussion groups:

<resnet@mit.edu> a public mailing list for questions and suggestions as well as official announcements. Every message sent to this list is archived in the publicly-readable Discuss™ meeting "resnet" on MENELAUS.

MIT.EDU. Anyone can read this meeting and post to it by sending mail to the list.

<resnet-help@mit.edu> a private mailing list for

people who wish to ask questions and get official answers. An IS staff member is responsible for answering these questions.

in this FAQ are available through TechInfo under "Information Systems Publications" or under "Resnet" both located in the "Computing"

to Discuss™ meetings and Usenet newsgroups, search bibliographic databases, get a copy of the US Budget, or have a conversation with a student on the other side of the world — all from the comfort of your dormitory room or ILG.

IS is working on ways to provide Macintosh, and eventually DOS/Windows, users with access to a variety of site-licensed software packages, MIT-developed applications, and IS publications.

In addition, Macintosh users will be able to share files and other resources easily, since AppleTalk is routed over MITnet.

For more information on these and other network resources, see the document *Welcome to MITnet* (NS-14.1).

#### • Will I be able to get Athena service with Resnet from my room?

If you buy an Athena workstation, you will have access to the same Athena services available through the ma-

chines in public Athena clusters with the possible exception of a very few cases where our software licenses restrict use to MIT owned machines.

If you use a Macintosh or PC, you will have access to a subset of the Athena services available through the traditional Athena workstations. Most of the educational software available on Athena is not available on Macintoshes or PCs.

#### • What can I do with a PC or Macintosh on MITnet?

Contrary to popular belief, you can connect your PC or Macintosh directly to the MITnet connection in your dormitory or ILG. As a matter of fact, many of the services that you're used to using on traditional Athena workstations are available or planned to be available on PCs and Macintoshes. In addition, IS will support several third-party developed network applications. For more information on MIT and third-party network applications support, see the list of supported MITnet applications available in the "Resnet" folder under "Computing" in TechInfo.

Applications available in September 1993 for	Macintoshes	PCs
Discuss	Yes	No
Email	Yes	Yes [Windows]
Email notification	Yes	No
Finger client	No	Yes [Windows & DOS]
Finger server	No	Yes [Windows]
FTP client	Yes	Yes & server
Gopher client & server	Yes	No
Kerberos password changer	Yes	Yes [Windows]
TechInfo	Yes	No
Telnet client	Yes	Yes [Windows & DOS]
Usenet newsreader	Yes	Yes [Windows]
Zephyr	Yes	No

DOS is supported on 8086, 8088, or 80286 machines with a 10 megabyte or greater hard disk running DOS.

Windows requires an 80386SX or better machine running Windows 3.1 or better.

<resnet-status@mit.edu> a public, low volume mailing list. This list is a subset of "resnet," and contains only official announcements. Anyone may subscribe to this mailing list.

In addition you can find all official announcements and documents relating to Resnet, including this document, in TechInfo under "Computing" in the "Resnet" folder.

The documents referenced

folder or by contacting the IS Publications Request Service by phone (x3-5150) or email <sendpubs@mit.edu>

#### • What can I do with a network connection?

There are many resources on MITnet and even more on the world-wide Internet to which MITnet is connected. For example, with a network connection you can send and receive email, converse over Zephyr™, read from and post

## R/O Highlights: Watch for Information Systems at These Events

### September

- 1 • Grad Student Open House, 1-4pm, Lobby 13
- 2 • How To Get Around Athena minicourse, 9am-4pm, 10-250
- Freshman Explorations, 9am-5pm
- 3 • Word Processing 1 minicourse, 9am-4pm, 10-250
- MCC/IS Fair, 10am-4:30pm, Bush Room
- Computer Buying Seminar, 10am, noon, 2:30pm, 4-231
- Freshman Explorations, 9am-5pm
- 4/5 • Parents' Weekend
- 6 • Labor Day Holiday
- 8 • Word Processing 2 minicourses, 9am-4pm, 10-250
- Internat'l Students Open House, 10am-5pm, Bush Rm
- Tables in W20 Lobby
- 9 • Tables in W20 Lobby
- 13 • Six weeks of minicourses begin (M-Th thru 10/21), noon, 7pm, 8pm, 3-343
- MCC/Sun, 8:30am-4pm, Bush Rm

## HELP WANTED — Become a Network Consultant

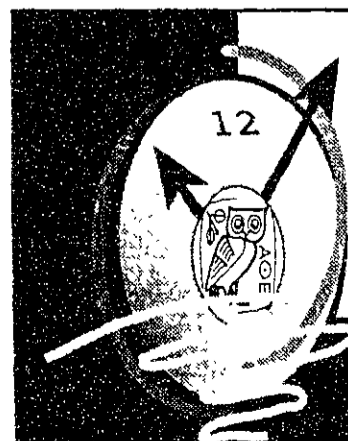
DISTRIBUTED COMPUTING AND NETWORK SERVICES is looking for a team of approximately 20 student consultants to provide on-site support for network users in the undergraduate dormitories. Primary tasks will include assisting individual students in getting connected to MITnet, providing bootstrap training, promoting responsible use of MITnet and the Internet, and attending weekly training sessions. Consultants may also be asked to work a limited number of hours on one of the Information Systems Help Desks.

We will accept resumes until September 24. We hope to have the team hired by the end of October. During the fall semester student consultants will be required to attend two hours of training per week. Beginning in the spring semester, student consultants will be required to work 7 to 10 hours per week, including 1 hour of training. Even though we will train the teams, candidates must have previous computer experience. In addition, a knowledge of TCP/IP and/or AppleTalk is beneficial. Hardware and/or software troubleshooting experience is a definite plus.

If you think that you are qualified for this position, send a resume to Michael Barrow, E40-331. If you have more questions, send e-mail to <mlbarrow@mit.edu> or call x3-7664.

For on-line information about this project:  
<resnet@mit.edu>, <resnet-status@mit.edu>,  
<resnet-help@mit.edu> or call the Network Help Desk,  
x3-4101.

Also check appropriate folder under the "Computing" folder of TechInfo.

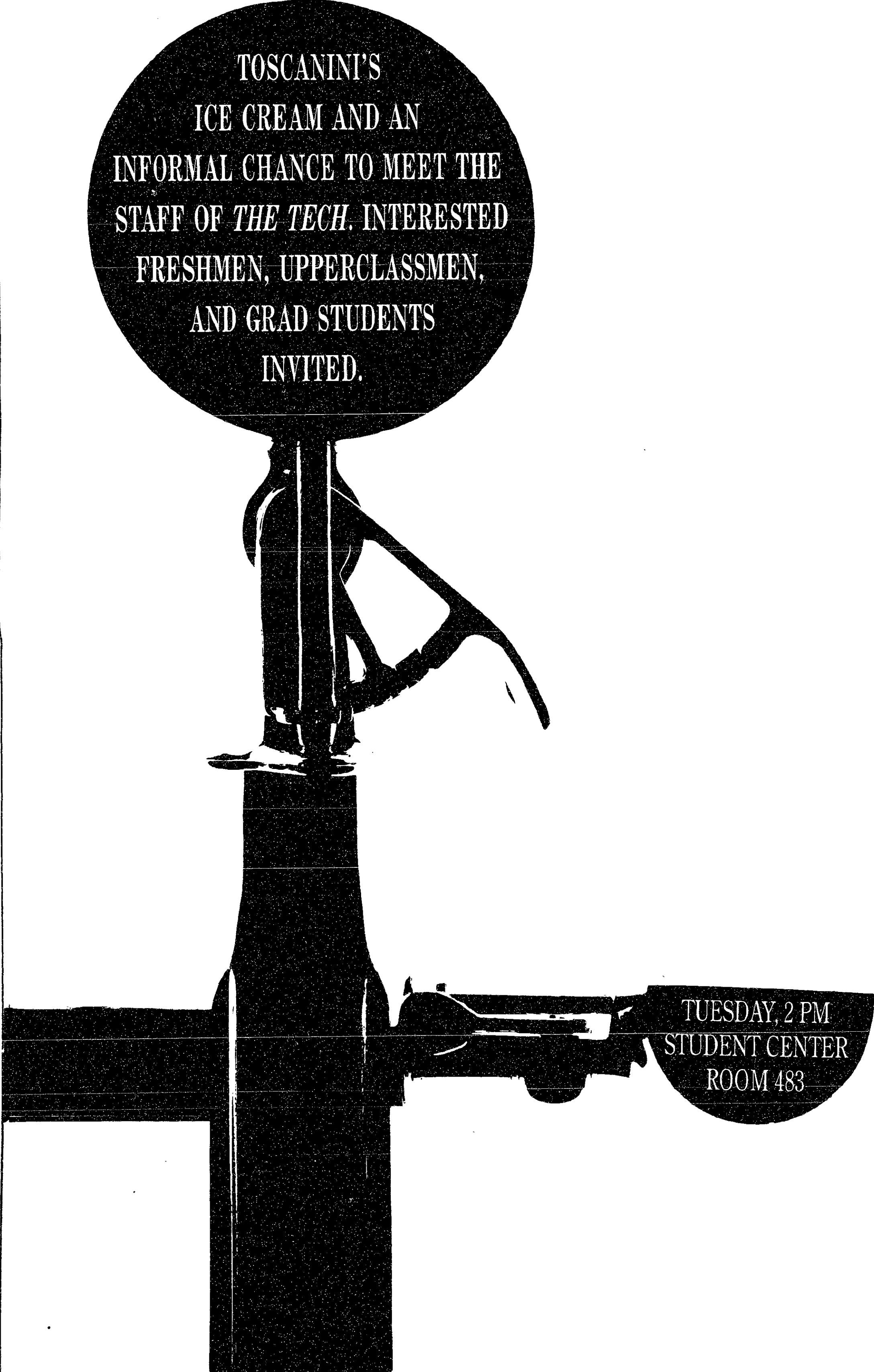


## It's Time for a Change...

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## TeamWorks: A New Option for Freshmen

TeamWorks, from Page 1

work harder together, with each individual pulling equal weight, Witt said. However, "if the student's personal grade is failing, he will fail. We don't want a student to find a shelter in the system," he added.

"The students will be working together on the problem sets, but not on the exams, and it won't help them if the brighter students do all the work," Cerny said.

### TA's will help groups

To facilitate teamwork, 5.11 will assign teaching assistants to each group. "The TA's major role is to be a mentor, to step in if a person in the group is not doing the work. We try to help them work out difficulties. Also before the exam, they will work out strategies on how to prepare for the exam and will also go over the exam afterwards," Cerny said.

TeamWorks participants in 3.091 will have recitation instructors to assist the group.

Students participating in TeamWorks will have some choice in which groups they will belong to, but most will be residence-based, according to Julieann Villa '96, who was on the committee that organized TeamWorks.

"In 3.091, the groups will be residence-based as well as recitation-

based. We are also trying to prevent students with similar capabilities from gravitating toward each other," Villa said.

"Students will get encouragement for working in teams and the program will provide some structure. A lot of times students can get so lost that they don't know where to go for help," Villa said.

### Idea came from colloquium

"TeamWorks originated from the Colloquium on Academic Honesty held last fall. In the panel discussion at MIT about collaboration, we decided to form a committee to enhance collaboration to a system of enhancing teamwork skills," said Associate Dean for Student Affairs Travis R. Merritt.

Professor Bolek Wyslouch, Physics I (8.01) lecturer, said that 8.01 will not be implementing any programs like TeamWorks in the near future. Respondents to an electronic mail survey by Professor Walter H. G. Lewin, the other 8.01 lecturer this term, approved of the teamwork idea proposed by the physics department but did not like the grading scheme, which was the same as the one proposed by 3.091.

However, other versions of Physics I — 8.01L and 8.01X — will offer a smaller version of teamwork programs this term, according to Merritt.

## Homecoming Expands for Fall

By Ann Ames  
ASSOCIATE SPORTS EDITOR

MIT will hold its first formal homecoming on the weekend of Oct. 23. A series of events, athletic and otherwise, will take place to celebrate the theme: "Mind and Muscle . . . MIT Salutes Scholar Athletes."

During half-time of the traditional homecoming football game, former recipients of the GTE Academic All-American award or an NCAA post-graduate scholarship are honored. Collectively, MIT has received more awards than any other school, according to Theresa Joyce, project manager of alumni/ae activities. Fifty-nine men and women have been invited to return, and to date sixteen have committed themselves to the affair, Joyce said. Athletes will arrive from all over the country, and one is returning from as far away as Cyprus.

"We're thrilled that the Institute is using this theme," said Roger Crosley, director of sports information. "The fact that MIT is honoring these people says a lot about its commitment to the athletic department."

The weekend's busy athletic schedule actually begins on Friday afternoon, when the women's soccer team faces Clark University, here at MIT. At MIT on Saturday, the rifle squad takes aim against Virginia Military Institute, the men's soccer team takes its turn against Clark, and women's field hockey meets Worcester Polytech-

nic Institute. Men's cross-country runners will trek to Franklin Park, in Dorchester, for the Constitution Athletic Conference Championships. Also, the MIT crew teams will participate in the Head of the Charles Regatta, a coincidental occurrence the homecoming organizers were unaware of until just recently.

The football game will begin at 1:00 p.m. Saturday afternoon, with Nichols College opposing the Engineers.

A reception will be held for the honorees after the game and will be open to the entire MIT community. It is currently scheduled to take place in Rockwell Cage, though Joyce feels the location may have to be changed to avoid excessive noise from other athletic facilities.

In addition to the plethora of sporting activities, there will be a carnival Saturday in the parking lot of Johnson Athletic Center which will last until half-time of the football game. Any MIT organization may set up a booth to play a game or offer information. Also, just prior to the football game, Phi Gamma Delta will be barbecuing in the pits by the Athletic Center. People may

purchase meals there or bring their own picnic lunches.

To "salute the mind," the Student Center Committee has arranged a virtual reality demonstration in the lobby of Kresge Auditorium, to take place on Saturday and Sunday. This will also be the feature presentation of Saturday's carnival.

Whether or not this is the Institute's first homecoming is actually a matter of debate, according to Crosley. There has been an annual homecoming game since the inception of the football team in 1978. This year, however, marks the first time campus organizations other than the athletic department will get involved.

The idea for a large-scale event originated in the Alumni Office. Drawing on her experiences at Northeastern University and other universities, Joyce began planning a homecoming that would incorporate various aspects of MIT life. She emphasized that this is "not just for alumni. It will only work if the whole community participates." All living groups are encouraged to organize reunion events for their alumni, and to contact the Alumni Office for assistance, if necessary.

## meal plans

Drop off your completed Meal Plan application at any dining center cashier, at the Customer Service Center (W20-507), or at the Meal Plan Office (E32-200).

For more information, call 3-2814 or 3-2815.

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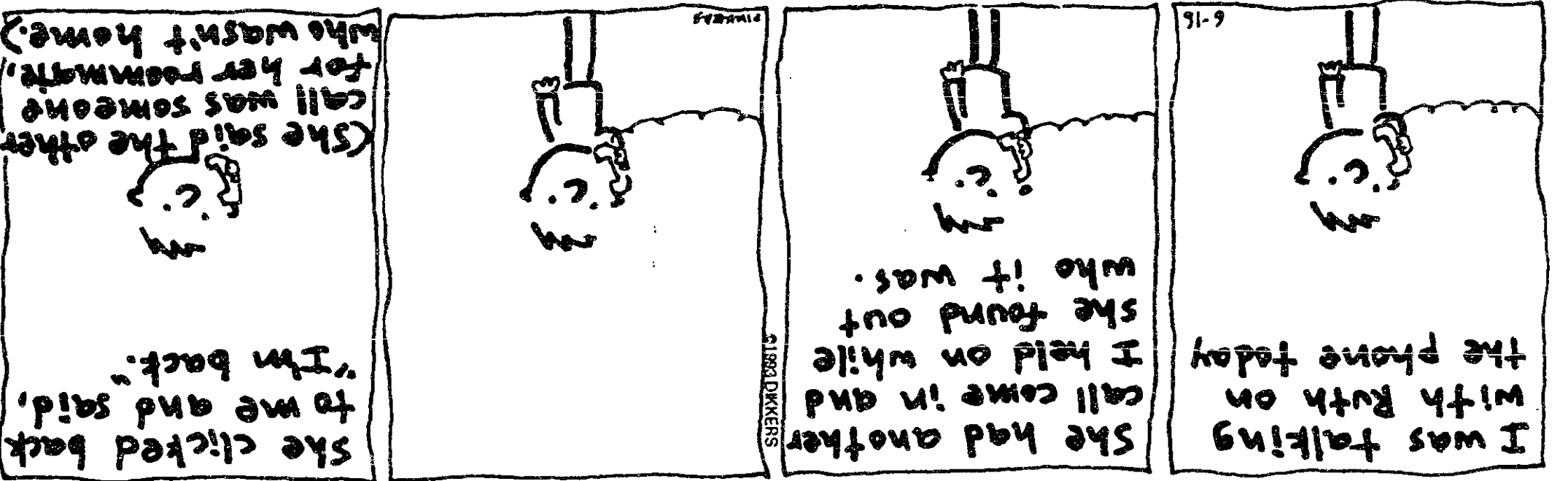
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# Jim's Journal

by Jim



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# Most Frosh Happy With Dorm Results

Dormitories, from Page 1

Most freshmen, the first of whom came out of the La Sala de Puerto Rico at 6:20 p.m., seemed pleased with their new dormitories. Many, like Heather Harrison '97, were ecstatic with the draw. "I'm thrilled," said Harrison about Random Hall, her first choice, "it's the perfect dorm for me."

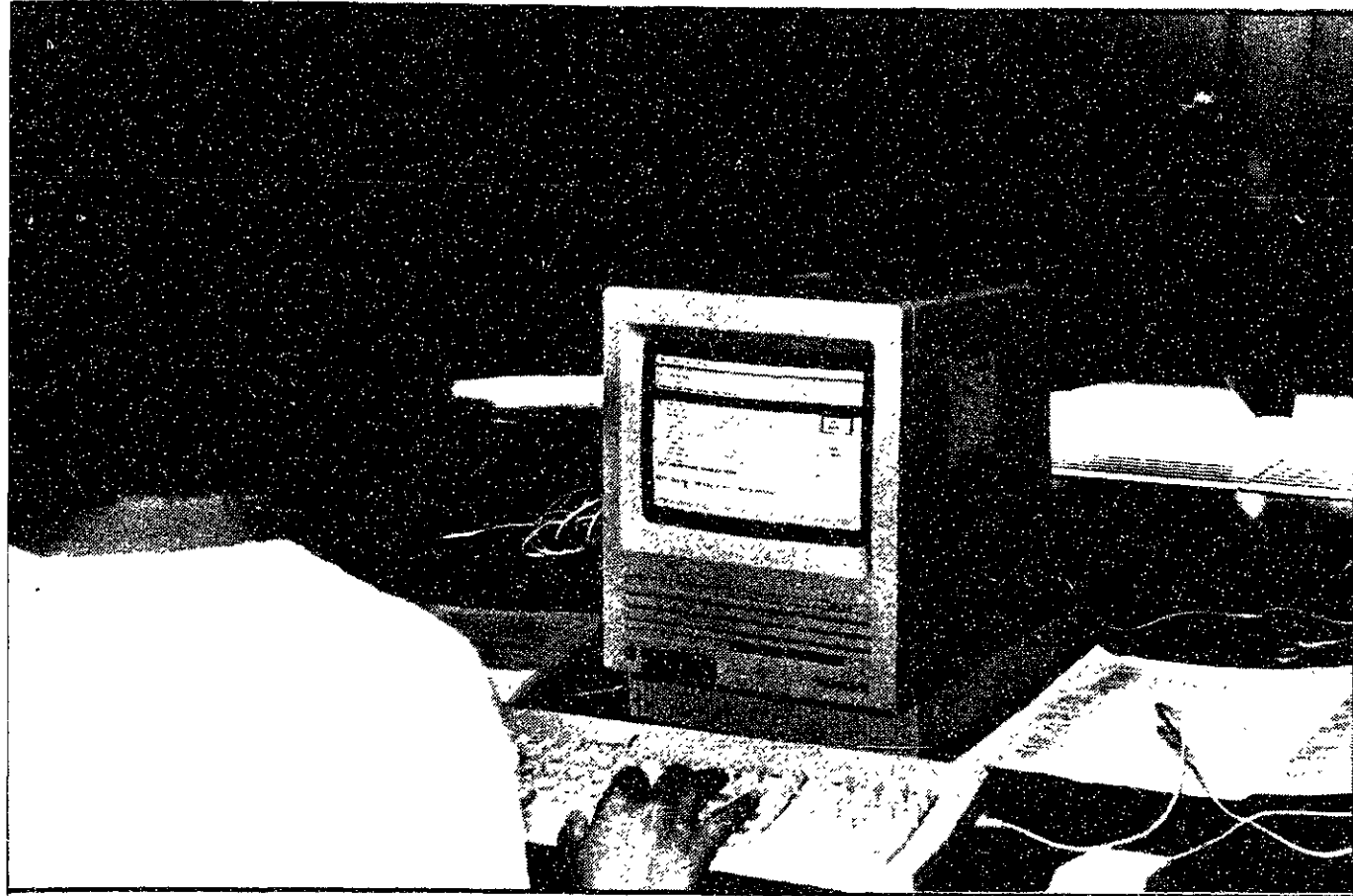
A handful of freshmen were unhappy with the lottery. Renee Ned '97 was placed in East Campus, her fifth choice. "I don't think it's very fair that so many people should get their first choice, and I get my fifth choice, instead of com-

promising and everyone getting their second or third choices," Ned said.

Most people started moving as soon as they learned of their assignments. Many of them only had a few hours to relocate to their new rooms.

Approximately seventy-five students did not receive room assignments. For these students, a second lottery will be held. They were told to come back today for the results.

Derek Truesdale '97 was not assigned to a dormitory. "I find it quite annoying," he said. "It seems like there should be a better system."



YUEH Z. LEE—THE TECH

A freshman enters in dormitory preferences on Monday into one of 20 computers during the dormitory selection at the Sala de Puerto Rico.

# Essay Identifies Writing Faults

Tests, from Page 1

They'd like to get it out of the way before rush starts," Enders said. This timetable also allows freshmen to choose their classes knowing how they performed on the tests, she added.

## Freshman essay evaluation

The essay exam measures a student's writing proficiency and is used for advising purposes, Perelman said. It identifies writing weaknesses, which could hurt a student's performance in humanities classes if left uncorrected, he continued.

Passing the evaluation fulfills Phase I of the Institute Writing Requirement. Students can also pass Phase I by scoring a five on the Advanced Placement Language/Composition test, 750 or higher on the American College Test, or through Interphase. Otherwise, they must either submit a paper to the writing requirement office or pass a writing subject which fulfills Phase I.

A small percentage of students received a "conditional pass," meaning that there were minor structure or grammar errors. The conditional pass can turn into a pass when the student revises his paper with a Writing Center tutor or attends a two-hour workshop, which Perelman will conduct this term.

Several reasons could explain why students who received a "not acceptable" or "not acceptable — subject required" may have failed to show writing proficiency, Perelman said. They could have writing problems, not do well on timed writings, have jet lag, or not written as well as they could have given the question topics. These students will personally meet with Perelman or an assistant over the next month or two.

Perelman would not disclose the exact wording of the questions because he does not want future examinees to have an unfair advantage. However, he did describe the general content of the questions.

Students wrote two essays — a narrative and an argument piece, Perelman said. They had two options in the narrative section: describe an incident where someone was rude or uncivil, or illustrate or refute a quotation about why there are so few women in science and engineering. For the second essay, students had to argue for or against a universal language.

"I think the questions this year went very well," Perelman said. He added that the responses were "quite thoughtful."

## Essay grading seen as fair

The essay was graded by Boston-area writing teachers and

professional writers, according to Perelman. They attended training sessions, where they learned to distinguish essays of different levels. For example, the graders looked at a well-written essay with bad handwriting, a short essay with good points, and a wordy essay that does not say much, Perelman said.

## Math diagnostic

The math diagnostic, like the essay evaluation, is used to "help people and flag for their benefit whether their pre-calculus background is rusty," said Professor of Physics Anthony P. French.

Test questions fell into four categories: algebra; geometry and analytic geometry; trigonometry; and logarithms, exponentials, and complex numbers.

Of the 1073 freshmen who took the math diagnostic, 582 had an adequate background, 213 were weak in one area, and 278 were weak in two areas or had a total score too low to pass, Enders said. The scores were distributed with "pretty much a bell-shaped curve," French said.

The average time to complete the test was 70 minutes, with times evenly distributed, he added.

French said the math diagnostic was created when he "developed a strong sense, along with colleagues, that students performing poorly in 8.01 (Physics I)" did not have pre-calculus at their fingertips.

"For most students [the math diagnostic] was just a confirmation that they're fine" Enders said.

Students who are weak in two categories will take another test on Friday. Enders said she expects that most freshmen will pass the second exam.

## Brush-up sessions will be offered

Each of the four sections on the math diagnostic had five questions, each worth five points. Students who scored lower than 17 out of 25 points in one section were considered weak in that section. Students who were weak in two sections or who overall received less than 67 out of 100 points did not pass the diagnostic.

Partial credit was awarded on some of the questions, French said. The grading was done by about 20 graduate students and some seniors with some experience in teaching math and physics, he added.

Enders suggested that students who are weak in one or more of the categories attend review sessions or practice on their own. Review sessions will be run by MIT students, she said.

If the weakness is easy to solve by going to the brush-up sessions, freshmen can "get the practice they

need and then they're all set," Enders said.

Another option Enders suggested was to take a combination of Calculus I (18.01) and the slower-paced version of Physics I, 8.01L. French added that 8.01L was a "tremendous success" last year, its first year. With three extra weeks of class and a final exam scheduled apart from other finals, students may find it easier to learn the material.

Enders added that this year, students in all of the calculus classes, including 18.01, another version of Calculus I (18.011), and Calculus II (18.02) will need to attend reviews and pass the math diagnostic. Last year, only students in 18.01 had this requirement.

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## AFFILIATION MEETING

WED. SEPT 8 @ 7:30 PM IN 4-370

### AGENDA:

- I. AFFILIATION
- II. SPORT ANNOUNCEMENTS
  - FOOTBALL — ENTRY MEETING 9/10
  - SOCCER — ENTRY MEETING 9/10
  - BADMINTON — ENTRIES DUE 9/13
  - TENNIS — ENTRY MEETING 9/13

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## SPORTS

## A Preview of the Year in Sports

By Ann Ames  
ASSOCIATE SPORTS EDITOR

**Baseball**

**Captains:** Eric J. Hopkins '92 and Mike C. Purucker '92  
**MVPs:** Hopkins and Ian W. Somerville '93  
**Four-year letter winner:** Hopkins  
**Record:** 14-15

**Men's Basketball**

**Captain:** Michael A. Duffy '92  
**MVP:** Duffy  
**Record:** 5-19

**Women's Basketball**

**Captains:** Showna H. Chang '92, Tania Pinilla '92, and Susie D. Ward '92  
**MVPs:** Marion A. Casserberg '94, second time, and Ward  
**Four-year letter winners:** Chang, Pinilla, and Ward  
**Record:** 9-13

**Men's Heavyweight Crew**

**Head Coach:** Gordon Hamilton  
**Freshman Coach:** Stu Schmill  
**MVP:** Goddard Abel '93  
The heavyweight crew finished the 1993 regular season with a better-than-average win-loss mark of 5-4, but all year long the Engineers were pointing to the season-ending championship regattas. The crews were rewarded as MIT boats won both the varsity and freshman national championships at the inaugural Champion International Collegiate Regatta held on Lake Quinsigamond in Worcester, MA.

Victories over Columbia University, Connecticut College, Williams College, Worcester Polytechnic Institute and Tufts University gave the varsity a foundation on which to build heading into the collegiate championship. A strong showing at the Eastern Sprints held the week before the Collegiate Championship, in which the varsity won the third-level final and the freshmen placed second in the petite final, showed the crews' strategy was working.

On a weather-perfect day, the varsity edged the Coast Guard Academy by .9 seconds to take the title, while the freshmen enjoyed a 1.6-second margin of victory over the University of California at Irvine. The second varsity boat just missed making the championship an MIT sweep by finishing second to Coast Guard, behind by only 2.5 seconds, in its grand final.

The crew relies on students who have never rowed before. If you feel you may be interested, regardless of your athletic background, please see a coach or call Stu Schmill, Director of Crew, at 3-1698.

**Men's Lightweight Crew**

**Head Coach:** Pete Holland  
**Freshman Coach:** Mike Welch  
**MVP:** Otway Louie '93

The lightweight crew rowed to a 3-5 regular season record in 1993 with wins over Holy Cross, Coast Guard and Columbia. The team also rowed well in close losses to Rutgers and Yale.

At the Eastern Sprints, the team missed taking the petite final by less than one-half boat length in one of the most competitive races at the sprints in years. The following weekend, over the same Lake Quinsigamond course, the varsity took third in the grand final at the Champion International Collegiate Regatta. The Engineers were edged out for second place by less than one-half boat length by the similarly nicknamed Georgia Tech squad over the 2,000-meter course. The freshman light boat placed fourth in its grand final.

**Women's Crew**

**Coach:** Mayrene Earle  
**1993-94 Captain:** Megan Jasek '94  
**1992-93 MVP:** Suzelle Tardif '93

Last year was the most successful year for women's crew team since 1987. The team swept the New England Women's 8 Regatta and set a new record for the Points Trophy. Three boats competed at the Collegiate National Championships in June and two made the Finals. The novices had a very exciting undefeated regular season.

The coming year should bring continued success because only two seniors graduated from the varsity boat and the ex-novices will contribute their winning experiences to this year's team. The team looks forward to competing in its first race in Pittsburgh in October, and maintaining its undefeated record there.

**Men's Cross-Country**

**Captain:** David Moyle '94  
**MVP:** Ethan Crain '95  
**1992 Record:** 4-1

**Constitution Conference Champions**  
With the top four (and five of the top seven) runners returning for the 1993 season, the men's cross-country team looks to continue its win-

ning ways. The addition of some quality freshmen could help the cause.

The team's goal is to go through the season undefeated and to qualify for the National Championships. The New England Region is only allotted one team, so becoming that team presents a challenge. With a little luck and good health, the harriers could pull it off.

**Women's Cross Country**

**Captains:** Spring, Amy Rovelstad '92; Fall, Agnieszka Reiss '95  
**MVPs:** Spring, Nicole L. Freedman '94; Fall, Reiss  
**Four-year letter winner:** Spring, Rovelstad  
**Record:** The team did not compete in dual or tri-meets in the spring.

**Men's Fencing**

**Captain:** Henrik Martin '93  
**MVP:** Martin  
**Record:** 9-17

**Women's Fencing**

**Captain:** Felice Swapp '92  
**MVP:** Swapp, second time  
**Four-year letter winner:** Swapp  
**Record:** 20-8

**Field Hockey**

**Captains:** Robin Krolkowski '93 and Mary Beth Richards '94  
**MVPs:** C.J. Doane '95 and Richards  
**Four-year letter winner:** Krolkowski

**Football**

**Coach:** Dwight Smith  
**Captains:** TBA  
The 1993 team will be the most experienced group to take the field since 1989. Top seniors include linebackers Nolon Duffin '94 and Matt Robinson '94, offensive tackle Jeremy Pitcork '94, defensive tackle J. P. Olynk '94, wide receiver Roddy Tranuss '94 and Jeff Olson '94, receiver and quarterback John Hurt '94, and defensive back Mickey Williams '94. The top freshman recruit is halfback Jose Delcon.

**Varsity Golf**

**Coach:** Jack Barry  
**Assistant:** Joe Kuchta  
**Captain:** Frank Popp '94  
**Manager:** Tom Kawamoto '97

The team completed its 20th consecutive winning season last spring with a 15-6 record. Although MVP Ed "Tiger" Harris '93 and Captain Erik Norton '93 graduated, six lettermen will return and at least

six promising freshmen will join the team, keeping alive hopes that the team will be able to carry on its traditional quality of performance in Coach Barry's 22nd year at the helm.

**Women's Gymnastics**

**Coach:** Catherine Rocchio  
**Captains:** Stephanie DeWeese '95  
Beth Chen '94  
**MVP:** Julie Lyren '93, second time  
**Four-year Letter Winner:** Karen Oda '93, Lyren

Records were broken meet after meet by the team's Captain and top performer Lyren. Lyren not only set a new all-around record of 36.1 at a meet against Division I rival Yale University but continued throughout the year to set the balance beam record at 9.2 and to tie the Vaulting and floor exercise records of 9.05 and 9.4 set the previous year by All-American Lisa Arel '92.

Lyren, joined by rookie teammate Janet Sollod '96 at the Division III National Championships in Wisconsin, earned two All-American Awards taking fifth place overall on the balance beam and fourth place All-Around. She was voted the NCGA Outstanding Senior Athlete — an award that an MIT Gymnast has claimed two years running. Lyren further distinguished her athletic career by being the first MIT woman ever to qualify for the Division II National Championships.

This year's season looks to be exceptional as two freshmen, Sheila Rocchio '97 and Tasi Chiarenza '97, should help the team strive for its first berth ever in a National Championship.

**Men's Hockey**

**Coach:** Joe Quinn, 14th season  
**Captains:** Nick Pearce '94, Jason Biederman '94  
**MVP (1992-93):** Nick Pearce  
**Record (1992-93):** 12 wins, 5 losses

Last year's team graduated two of its top three scorers: Rob Silva '93 and Mike Mini '93. However, there is a solid nucleus to build around this year with the return of captains Pearce and Biederman. Other veteran players expected to make a significant contribution are defensemen Rob Souza '95 and Steve Schlueter '96, and forwards Jonathan Shingles '96, Dan Lee G, and Lloyd Johnston G. The excellent goal-tending of John Simmons '95 will also be depended upon.

The team will continue to com-

pete in the New England Collegiate Club Hockey League and hopes to improve on last year's third place finish.

**Men's Outdoor Track**

**Captains:** Dan Corcoran '94, Matt Robinson '94  
**1992-93 Record:** 11-1

**NCAA Championships:** Sixth Place  
The 1993-94 men's indoor track and field team will retain 26 of last year's 28 lettermen. New England's second best dual meet team should continue to improve upon its previous successes.

National runner-up in the pole vault, Robinson is expected to lead the returning lettermen along with numerous performers returning from the ranks of the injured and some very promising freshmen. The team's goals are to be undefeated, win the New England Division III Championships, and qualify four or more individuals for the NCAA Division III Championships.

These are difficult goals, but they will be attainable if the team performs as it has continually over the last decade.

**Men's Lacrosse**

**Captains:** Stephan Feldgoise '92 and Richard Oh '92  
**MVP:** Feldgoise  
**Four-year letter winner:** Daniel Wakabayashi '92  
**Record:** 8-6

**Women's Lacrosse**

**Captain:** Kimberly Williams '92  
**MVPs:** Susan D. Ward '92 and Williams  
**Record:** 6-4

**Men's Gymnastics**

**Captain:** Reginald Abel '92  
**MVP:** Christopher J. Ellefson '95  
**Four-year letter winner:** Abel  
**Record:** 3-6

**Men's Outdoor Track**

**Captains:** Jay Chiang '94, Dan Corcoran '94, Matt Robinson '94  
**1993 Record:** 6-1  
**New England Division III Championships:** 3rd place

The men's outdoor track and field team is looking to return to dominance in New England. While the last three years have been successful, they have not been up to the level of track teams throughout the 80s.

All but one of the lettermen from

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The women's varsity field hockey team has begun practicing for the fall season.

YUEH Z. LEE—THE TECH

# A Round of Team Sports from Last Season

Sports, from Page 10

last year's squad will be returning. Among them are multi-event competitors Andy Ugarov '95 in the jumps, Robinson in the pole vault and hurdles, and Ethan Crain '95 in the middle distance and distance events. The team has many other stars to lend a hand, and hopes that the need for depth in the throwing and horizontal jump events will be filled by incoming freshmen.

Similar to the indoor track team, outdoor track's goals are to go through the season undefeated and win the New England Division III Championships.

## Women's Outdoor Track

**Captains:** Gabrielle Rocap '92 and Kelly Sullivan '93  
**MVP:** Nicole L. Freedman '92  
**Record:** 4-3

## Pistol

**Captains:** Antony Donovan '94, Jason Zhu '95  
**Coach:** Pat Melaragno

Pistol has been a co-ed varsity sport at MIT since 1938. The team competes in the three Olympic-style events: free, air and standard. Women compete in sport pistol, as well.

Over the years, this team has gone from being a powerhouse in the Boston area to being the premiere civilian team in the country. It has often defeated the military academies in national competition, becoming national champions in air and standard pistol in 1986 and in free pistol in 1988.

Most people who compete in collegiate pistol had no experience before coming to college, yet MIT students routinely become All-American.

## Rifle

**Captain:** Miguel Perales '92  
**MVP:** Arthur Merritt '95  
**Record:** 25-9

## Men's Sailing

**Captains:** Spring, Michael B. Binnard '92; Fall, Eric Rueckwald '92

**Spring MVP:** Binnard  
**Four-year letter winner:** Binnard

## Women's Sailing

**Captain:** Spring, Monique Lawrence '92; Fall, Paula Lewin '93  
**Spring MVP:** Lewin  
**Four-year letter winner:** Lawrence

## Men's and Women's Skiing

**Captains:** Gwen Crevensten '96, James Allbee '94 Wes Sherman '95, Sarah Brooks '95  
**Record:** 48-50 (combined Carnival scoring)

Realignment in eastern collegiate skiing pits MIT's men and women skiers against national powers Dartmouth College, Middlebury University, and University of Vermont. Returning cross-country skiers will be Crevensten, Sherman, Jill Sherwood '95, Jeff Breidenbach '96 and Christian Lund '96. The alpine team, led by Allbee and Brooks, expects improvement from returning teammates Eric Field '94, Eric Fitch '95, Ari Gerstle '96 and Allister Lundberg '96, along with Holly Imlach '95 and Josephine Harada '95.

Dry land training exercises specific to skiing will begin early in October. Ski competitions begin early during IAP and conclude Feb. 25.

## Men's Soccer

**Captains:** Jason Grapski '94, Dave Irvine '92  
**MVP:** Grapski  
**Record:** 4-11

Despite a disappointing record, the team had its moment of glory when it defeated Babson College, a nationally ranked team.

## Women's Soccer

**Captains:** Celia Fleming '93, Meg O'Neill '93, and Susan Scruggs '93  
**MVPs:** Chantell Wright '95 and Fleming  
**Four-year letter winners:** Christine Coffey '93, Fleming, Sameera Iyengar '92, and O'Neill  
**Record:** 12-5

## Softball

**Captains:** Lynn A. Albers '92,

Showna H. Chang '92 and Denise Nemchev '92  
**MVP:** Albers, second time  
**Four-year letter winners:** Albers and Chang  
**Record:** 12-6

The softball team had one of its most successful seasons this spring, finishing with a preseason .500 record in Florida, defeated archrivals Smith College, Mount Holyoke College, and Brandeis University to finish second in the New England Women's 8 Conference.

## Squash

**Captain:** Matt D. Trevithick '92  
**MVP:** Trevithick  
**Record:** 6-15

## Men's Swimming

**Captains:** Matt Beaumont '92, Saul Nuccitelli G, and Tim Salter '92  
**MVP:** Brian R. Meade '93  
**Four-year letter winners:** Dinesh S. Lathi '92  
**Record:** 3-5

The swimming team had a successful season last year, with four men and one woman named All-Americans. Tina Grosskopf '92 was the only female All-American swimmer because of her performance in the 100-yard breaststroke.

The men, James Bandy '93, Chad Gunnlaugsson '93, Brian Meade '93, and Robert Rockwell '93, were selected because of their excellent performance in the 800-yard and 400-yard relays. The four posted an outstanding minutes, 54.16 seconds in the 800, giving them fourth place in the NCAA Division III championships. In the 400, the team's best time was 3:09.32. The team posted a slightly lower time at the nationals. Meade says the team anticipated last year's performance and is hoping to do even better this year.

"We were definitely gunning for it, we wanted to go to nationals last year, and we hope to be somewhere in the top three in the 800 this year," Meade said. Meade also said the team wanted to win the New England Division III championships this year. So far, the team is on track.

The swimmers' most notable achievement this season was the 136-101 shellacking of rival Tufts University — a team the Engineers had never beaten before.

## Women's Swimming

**Captains:** Jennifer M. Chan '92, Patti Foote '93 and Tina Grosskopf '92  
**MVP:** Chan  
**Four-year letter winners:** Chan and Grosskopf  
**Record:** 4-3

## Men's Tennis

**Captains:** Manish Bhatia '93, Kenneth Peng '92  
**MVP:** Peng  
**Four-year letter winner:** Peng  
**Record:** 12-3 (combined Fall-Spring seasons)

Bhatia and teammate Jay Muelhoeffer '94 placed third last spring in the NCAA national championship tournament. In addition, Muelhoeffer and Alan Walpole '93 won the doubles Division III championships in Corpus Christi, Tex. last fall.

## Women's Tennis

**Captain:** Claudia Hung '93  
**Record:** 13-2

## Men's Volleyball

**Captains:** Satoshi Asari G, Chris Chong '94  
**MVP:** Tom Klemas G, Danny Alvarez G  
**Division III All-Star:** Tom Klemas  
**ELVA Open All-Tournament:** Danny Alvarez G  
**Record:** 14-12

Last year's squad had a strong season despite a very tough schedule. The team ended the season by beating higher-ranked Eastern Mennonite College in the quarterfinals of the Division III East Coast Championships, before losing a close match in the semifinals to eventual champion Juniata College.

Asari led the team with assists implementing a strong middle attack with hitters Chong and Brian Vanden Bosch '94, as well as a potent outside attack with hitters Klemas, Alvarez, and Miguel Valle '93.

Also, back-row specialist Juan Ramos '93 helped spark the Engineers on several occasions.

The Engineers lost three players to graduation and will be looking for some strong play from former junior varsity team members, who helped win their own league's B-Flight Championship.

## Women's Volleyball

**Captains:** Coleen Kaiser '94, Jill Keidl '94  
**MVP:** Kaiser  
**New England Rookie of the Year:** Kamilah Alexander '96  
**Record:** 13-17

Last year, under first-year Head Coach Cindy Gregory, the Engineers managed to cap off the season by reaching the semifinals of the New England Women's Eight Tournament, where they suffered a tough loss to Wheaton, who went on to win the NEW8 Championship.

The team was led by setter Kaiser, whose consistent play allowed hitters Colleen Johnson '93, Mari Katada '94, Preen Dhalla '95, Keidl, and Alexander to have their way with the opposing defense. Also, the serving and back-row defense of Julie Han '94 and Alison Furuya '96 helped propel the Engineers to victory over some of the best teams in New England, including Division II University of Lowell.

With all but one of last year's starters returning, as well as the addition of setter Chrissy Jones '95 and freshman Stacy Dozono, the Engineers look to be a force to be reckoned with this season.

## Water Polo

**Captains:** Chad Gunnlaugsson '93 and Jim Lee '93  
**Four-year letter winners:** Isy Goldwasser '93 and Lee  
**Record:** 13-13

## Wrestling

**Captain:** Matthew D. Long '92  
**MVP:** Long  
**Four-year letter winner:** Long  
**Record:** 12-5



# Open House

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Tuesday, September 7, 1993

2 p.m. to 6 p.m.

Room 483 — The Student Center

