

JACQUELINE YEN—THE TECH  
Reed Anderson skillfully handles the onions and skillet at Courses's gourmet cooking tutorial.

## Bush Eyes Vest for U.S. Science Advisor

By Nancy L. Keuss  
STAFF REPORTER

President Charles M. Vest is believed to be a primary candidate for the position of White House science adviser in the Bush administration, according to news reports published last week.

Although it is unknown whether a formal invitation has been extended to Vest, an offer would mark the second time he has been asked to hold the post. A top choice of President Clinton's in 1998, Vest declined the position that eventually went to physicist and former National Science Foundation director Neal Lane.

MIT spokesman Bob Sales maintains that there has been "no direct communication between Vest and the Bush transition team."

Such an offer would reflect Vest's ambassadorship in science and technology during the past ten years of his term as MIT president. It is not yet clear whether Vest is interested in the post.

It is also uncertain whether Vest's goals are in line with the research priorities of Bush, particularly the President-elect's focus on a missile defense shield and weapons

programs. Many MIT faculty members have been known to oppose the so-called "Star Wars" missile-defense shield first promoted under Reagan.

Vest spends time in Washington on a monthly basis and serves on the President's Committee of Advisors on Science and Technology (PCAST).

Although Vest has already worked with Vice President Gore while serving on the PCAST committee, the Bush administration's views on science and technology research could be very different.

"The real question is whether [Vest] can do more good for science and technology research in his role now, as a leading lobbyist, or from working within the administration," said Undergraduate Association President Peter A. Shulman '01.

### Would Vest leave MIT?

The post, which would also involve serving as director of the White House Office of Science and Technology Policy, is regarded as a high-profile position in the science community, yet many question

Vest, Page 12

## Institute Replaces Athletics Director

By Rubi Rajbanshi

Amidst controversy over cuts in junior varsity sports and excitement over the new Zesiger Athletic Center, Candace L. Royer has been named the new Head of the Athletics Department.

Royer, the former associate head of the Athletics Department and a staff member for over twenty years, said she was "stunned" by her new appointment.

"This is a rare and professional opportunity for me in this period of great growth," Royer said.

"She is a friend of the students and received broad approval and support from the student body," said Peter A. Shulman '01, Undergraduate Association President.

Royer believes that all of the recent financial attention placed on the Athletics Department is supported by both the student body and the administration.

"We have strong advocates" in the administration, she said.

She hopes to learn how the Athletics Department is funded, especially with regards to the recent controversy over payment for athletic cards that would grant access to facilities.

"Our issue is access," Royer said. "We simply don't want students turned away because they could not afford to pay for the card."

According to Royer, the fiscal activities of the Athletics Department will affect students in "context

Royer, Page 11

## MIT Buys Space in Cambridge's Technology Square

By Amanda Stockton  
STAFF REPORTER

MIT has signed a contract to purchase over one million square feet of buildings in Cambridge's Technology Square, the Institute announced last Friday.

Although the exact terms of the agreement are not yet being discussed, *The Boston Herald* has estimated that the purchase price exceeded \$300 million.

The Institute has no plans to use

the valuable property for housing or classrooms; it will instead use the space as a business venture.

"We think this is a very promising place to invest in real estate, given what has been going on in bio-technology and high tech," said MIT Real Estate Director Steven C. Marsh to *The Herald*. "It is an investment play, and we are looking to rent every square foot we can."

In a recent MIT press release, MIT Executive Vice President John

Curry said, "MIT recognizes its special role in Cambridge. We are committed to continuing our work with the city government and Cambridge residents as a responsible member of the community."

The closing for the property, purchased from Beacon Capitol Partners, is expected to take place in early February, according to an MIT press release.

Of the buildings bought, three existing buildings make up 541,000

square feet of the purchase. Four new buildings, totaling 617,000 square feet, are still under construction.

Beacon Capitol Partners agreed to complete the construction. The first building, containing approximately 175,000 square feet, is expected to be completed by early spring.

The deal gives MIT control of a

Tech Square, Page 23

## Team Finds Witch's Stone To Win 2001 Mystery Hunt

By Ashley M. Ramsey

Twenty-two years after graduate student Bradley E. Shaefer PhD '83 organized the first MIT Mystery

Hunt, the campus-wide puzzle competition has become a fixture in the IAP catalog. For four years, Shaefer wrote complex puzzles to challenge and entertain students during one weekend in IAP. After Shaefer obtained his PhD and left the Institute, he designated the running of the next year's competition as an award to the hunt's winners.

At noon last Friday, teams gathered in Lobby 7 to hear the legend of Agatha Winchester and begin the 2001 Mystery Hunt: The Hunt of Horror. The participants were told of the burning of a convicted witch,

Agatha Winchester, on January 15, 1701 and her claim to seek revenge three hundred years later. All that was left of the witch was a deep green stone rumored to be the source of her powers. The stone was lost and the teams participating in the mystery hunt were sent to regain possession of the stone.

This year, 16 teams ranging in size from four to over fifty people participated in the competition. The teams of not only students but also puzzle-solvers from all over the world who participated via phone, e-mail, and fax. One team, which had participants scattered all over the United States, didn't have a single representative on campus.

After 38 hours and 16 minutes of searching, a team named Setec

Mystery Hunt, Page 7



ERIKA BROWN—THE TECH  
Experimental Study Group Lecturer Craig B. Watkins demonstrates the fundamentals of slide rule multiplication to an IAP group at the MIT Museum.



**FEATURES**  
The new Dean of Science discusses his goals.

Page 8



**Comics**

Page 14

**OPINION**

Ken Nesmith outlines some of the scientific studies that warn that the danger of global warming is real.

Page 6

World & Nation ..... 2  
Opinion ..... 4  
IAP Guide ..... 16  
Arts ..... 17  
On the Screen ..... 19  
On the Town ..... 20



# WORLD & NATION

## Doctors Remove Skin Cancer Lesion from President Clinton

LOS ANGELES TIMES

WASHINGTON

A suspicious lesion removed from President Clinton's back during a routine physical last week was a common and generally nonlife-threatening form of skin cancer, the White House announced Tuesday.

The growth, a basal cell carcinoma, is the most common form of skin cancer and usually is caused by overexposure to sunlight. "The pathology results that were read this morning confirm that the lesion was a superficial basal cell skin cancer," White House spokesman Jake Siewert said during his daily briefing.

"Pathologists noted that the margin of the lesion appeared clean, which indicated that the lesion had been totally removed" during the minor surgical procedure, he said. "So while the president, I guess it could be said, had skin cancer, that has been removed and he no longer has it. So that is that."

Unlike melanoma — the most virulent and deadly form of skin cancer — basal cell cancers rarely spread and are slow-growing.

"This is not going to kill him," said Dr. Richard Strick, a clinical professor of dermatology at the University of California, Los Angeles School of Medicine. "These almost never spread anywhere unless they are long neglected, and you are very unlucky."

During Clinton's annual medical check-up last Friday, doctors discovered what they called a "small, suspicious skin lesion" on his back. They removed tissue from the area for tests.

"At the time of the biopsy, the president elected to have the tissue around the lesion treated superficially with a technique called 'scraping and burning' in the event that the lesion was to be confirmed as skin cancer," Siewert said.

The president's physician, Rear Adm. E. Connie Mariano, said "overall, the president is in good health. The president's risk of recurrence of basal cell skin cancer is low, but he faces a higher risk than the population at large of developing a new lesion in the future due to his fair skin and years of sun exposure. 'The president will be seen in four to six months by a dermatologist,' he added in a statement issued by the White House. "If there is no evidence of new lesions at the time of follow-up, he will be examined annually."

## Justices Hear States' Rights Challenge to Civil Rights Law

LOS ANGELES TIMES

WASHINGTON

The Supreme Court on Tuesday took up a states' rights challenge to federal civil rights law, as lawyers for Alabama claimed that the state stands as a "co-equal sovereign" with the federal government and cannot be sued over policies that have a discriminatory effect on racial or ethnic minorities.

"States are different. They are not run-of-the-mill defendants," Alabama's attorney, Jeffrey Sutton, told the justices. "They are co-equal sovereigns," he said, and cannot be sued in federal court just because they accepted federal funds.

In recent years, "states are different" has become the driving theme of the Rehnquist Court.

The conservative majority has moved on several fronts to carve out a special legal status for the states. The justices have, for example, shielded states from being sued for failing to pay their employees for overtime as required by federal labor law. They also have said state agencies and state colleges cannot be sued if they discriminate against their older workers.

But until now, the justices have not cut back on Congress' long-understood power to use federal funds as a means to win compliance from the states.

## WEATHER

### A Hazy Shade of Winter

By Michael J. Ring

STAFF METEOROLOGIST

After beginning this week with a wintry mix of rain and snow, it appears a similar mess may impact the end of this week as well. In Monday's storm only 4/10 of an inch of snow was recorded at Logan Airport, as much of the precipitation here in the city fell as rain. In the higher ground of northern Middlesex and Worcester Counties, where precipitation occurred mainly as snow, up to 4 inches were recorded.

Our next round of precipitation will begin Thursday night, with Friday shaping up as a wet day. While a period of snow is possible, an influx of mild air should make rain the predominant form of precipitation from this storm. Periods of ice are also likely. As storm tracks at this time of year are notoriously fickle, however, the possibility of an all-snow event cannot be completely discounted yet.

#### Extended Forecast

**Today:** Partly sunny and seasonable. High of 37°F (3°C).

**Tonight:** Clear and cold. Low of 20°F (-7°C).

**Tomorrow:** Increasing cloudiness. High 34°F (1°C).

**Tomorrow night:** Rain or snow starting late. Low 28°F (-2°C).

**Friday:** Rain, with periods of snow or ice possible. High 37°F (3°C).

**Saturday:** Precipitation ends. Milder. High 43°F (6°C).

**Sunday, Monday, and Tuesday:** Partly cloudy all three days with highs near 35°F (2°C)

## Ashcroft Maintains He Can Separate Beliefs from Law

By Craig Gordon and Tom Brune

NEWSDAY

WASHINGTON

Attorney General-designate John Ashcroft Tuesday defended his ability to separate personal beliefs from the duties of the office, saying his quarter-century in public life demonstrates that he can uphold laws that conflict with his opinions and religious faith.

At the opening day of his confirmation hearing as President-elect George W. Bush's most controversial nominee, Ashcroft told the Senate Judiciary Committee that as Missouri's attorney general and governor, he frequently put aside his own beliefs to enforce and uphold the laws.

Ashcroft cited the central Supreme Court decision that upholds a woman's right to an abortion, *Roe v. Wade*, as a case he believes was "wrongly decided" as an original matter but now is the "settled law of the land" that he would be duty-bound to uphold.

"I am personally opposed to abortion. But ... I well understand that the role of attorney general is to enforce the law as it is, not as I would have it," the former Missouri senator told the committee.

In a dramatic display capping his opening statement, Ashcroft raised his right hand and pledged "as a man of faith, I take my word and my integrity seriously, so when I swear to uphold the law, I will keep my oath, so help me God."

Democrats openly challenged Ashcroft's ability to separate his strongly held conservative views from his professional responsibilities as the nation's chief law-enforcement official, a post that has broad responsibilities over issues he once fought against, such as abortion rights, gun control and affirmative action. They have painted him as an extremist ill-suited for attorney general.

"Senator, you have told me that you will enforce the law. But just saying so isn't enough," said Sen. Charles Schumer, D-N.Y. "The

issue boils down to the this: When you have been such a zealous and impassioned advocate, how do you just turn it off? This may be an impossible task."

Democrats also charged the former Missouri senator with imposing an "Ashcroft standard" to derail federal nominees, accusing him of voting against qualified nominees because he disagreed with their political views.

They cited the case of Bill Lann Lee, whose nomination to head the Justice Department's Civil Rights Division was derailed because of his work defending affirmative action as a lawyer for the National Association for the Advancement of Colored People. Ashcroft defended his vote against Lee, whom President Clinton later placed in the job on a recess appointment, saying he believed Lee misinterpreted a key Supreme Court ruling that curbed public minority set-aside programs.

The Judiciary panel showed how deeply divided it is on Ashcroft's bid, but so far, Ashcroft's opponents appear to have had little success in convincing Republicans to oppose his bid - which would be necessary to defeat him in a Senate divided 50-50 with incoming Republican Vice President Dick Cheney able to cast a tie-breaking vote.

Republican leaders have said Republicans are backing Ashcroft, and all those on the committee Tuesday offered strong support for their former colleague.

Several, including Sen. Jon Kyl, R-Ariz., called him the most qualified candidate ever to be nominated for attorney general. Republicans have sought to highlight Ashcroft's qualifications for the job as a way to make it harder for Democrats to oppose him, and also to seek to turn attention away from Ashcroft's long-held and fiercely advocated views on a range of issues.

The hearing, which is expected to go until at least Friday, also promised to touch on some of the most emotional and controversial issues in

American life - and Ashcroft's strident opposition to many of the positions that are the law of the land. Ashcroft's foes, a coalition of liberal interest groups, have sought to keep the focus on those views in challenging his fitness for the post.

While Ashcroft pointed to his record in Missouri state office as showing he is qualified for the job, Sen. Edward Kennedy, D-Mass., tore into Ashcroft's record on opposing school desegregation in the 1980s and two voter-registration bills for St. Louis, with a heavy African-American population, to raise questions about his commitment to civil rights.

"How do you justify your relentless opposition to the voluntary school desegregation and sort of a scorched-earth legal strategy to try and block it?" Kennedy said, raising his voice.

Ashcroft said he did not oppose integrating the schools in Missouri but was concerned about the state's costs of a court-imposed desegregation plan.

The hearing resumes Wednesday morning with more questioning by senators. Missouri Supreme Court Judge Ronnie White testifies Thursday about Ashcroft's role in blocking White's appointment to the federal bench in 1999. White supporters have said Ashcroft displayed racial insensitivity in blocking White, who is African-American.

Ashcroft Tuesday defended his opposition to White, saying he came to the "overwhelming conclusion" that White wasn't fit for a lifetime post and that he found a "troubling pattern of his willingness to modify settled law in criminal cases."

Ashcroft's supporters charged "religious bigotry" is implicit in questions about whether he would put his religious views ahead of the law as attorney general. To defuse the issue, Sen. Orrin Hatch, R-Utah, asked Ashcroft if there were anything in his religious beliefs that would interfere with his enforcing the law.

Ashcroft paused, then said, "I don't believe it's appropriate to have a test of religious beliefs for a job."

## Ban of Liquor Ads in Student Papers Upheld by High Court

### States Created Law In Effort to Reduce Underage Drinking

By Lyle Denniston

THE BALTIMORE SUN

WASHINGTON

The Supreme Court allowed the states Tuesday to try to prevent heavy drinking on college campuses by banning liquor and beer ads in student newspapers.

Four years ago, the legislature in Pennsylvania, a state where binge drinking by students has become a high-priority issue for college administrators, imposed a flat ban on "all alcoholic beverage and malt beverage advertising" in any newspaper or other publication of any educational institution.

That law withstood a constitutional challenge last June in a federal appeals court in Philadelphia, in a case filed by the Pitt News, a daily newspaper run by students at the University of Pittsburgh.

Tuesday, without explanation, the Supreme Court refused to hear an appeal by the newspaper, which claimed its First Amendment free press rights had been violated by the enforcement of the ban against ads from restaurants and bars.

The court's brief order does not mean it agreed with the lower court that the student newspaper's rights had not been violated. But the action does leave the newspaper without a means to challenge the law's effect on its revenue and the effect of lost revenue on its news operation.

The newspaper's appeal said it was not aware of any case in which the Supreme Court had upheld a flat prohibition on the content of "a targeted class of newspapers."

The state Liquor Control Board enforces the Pennsylvania law only against those who sell liquor or beer and not against student newspapers directly. Even so, the Pitt News contended that it lost more than \$17,000 in revenue from advertising after enforcement of the law began in 1997.

The 3rd U.S. Circuit Court of Appeals ruled that the newspaper's only loss was economic and that the First Amendment did not shield it from that consequence.

Among other orders Tuesday, the Supreme Court refused, over the lone dissent of Justice Clarence Thomas, to consider a New Jersey day-care teacher's plea for the right to sue those who prosecuted her for child sex abuse. She had been freed from prison after serving five years of her 47-

year prison sentence when a state court overturned her conviction because of coercion of child witnesses against her.

Also Tuesday, the court held a hearing on a case that will test the willingness of the courts' majority in favor of states' rights to take a bold new step to shield states from civil rights lawsuits.

Some of the justices seemed sympathetic to a plea by a lawyer for the state of Alabama for a ruling to block all lawsuits against state agencies by private individuals who claim that officials discriminated on the basis of race or ethnic background in a program paid for with federal money.

That issue arises in a case filed by a Mobile woman, Martha Sandoval, a native of Mexico, who speaks and understands little English. She could not complete a written exam for a driver's license because the state, under an English-only state constitutional amendment, gives such tests only in English.

Her lawsuit contends that this system has a discriminatory effect on minorities, in violation of federal regulations governing the use of federal funds.

A federal appeals court allowed her to sue, but Alabama took the dispute to the Supreme Court. A ruling is expected by early summer.



# Barak, Sharon Step up Attacks As Israeli Election Grows Near

By Tracy Wilkinson  
LOS ANGELES TIMES

JERUSALEM

With Israeli elections just three weeks away, caretaker Prime Minister Ehud Barak leaped to the political offensive Tuesday, unveiling an advertising campaign that apologizes for mistakes and seeks to "unmask" challenger Ariel Sharon as a dangerous warmonger.

Front-runner Sharon countered with commercials that show the septuagenarian former army general planting trees with his grandchildren on bucolic farmland and promising "peace with security" — while pointedly attacking Barak for breaking his promises.

The contrasting images came in the first barrage of campaign television and radio spots, aired Tuesday in an event that launches the home-stretch dash to election day Feb. 6.

The peace process he championed in ruins amid continued Israeli-Palestinian bloodshed, Barak resigned last month and called the election over two years ahead of schedule.

He faces a seemingly insurmountable uphill battle against right-wing opposition leader

Sharon. Although ads have only limited impact on the Israeli public, they may be Barak's last chance to turn things around, analysts said.

Barak's strategy is to dredge up Sharon's controversial roles in Israel's wars as a way to frighten and energize left-wing voters whose disappointment with Barak is prompting them to sit this election out.

"All his life, Sharon opposed peace and supported war," intones a voice of dread in one radio ad. He opposed peace with Egypt, even Jordan, it continues. "There is no reason he should change now."

Other commercials attempt to contrast Barak's decision to end Israel's most traumatic military adventure — its 22-year occupation of Lebanon — with Sharon's decision to invade in the first place. One ad offers emotional pictures of young Israeli soldiers withdrawing joyfully from Lebanon in May. Another features a distorted image of Sharon repeating over and over that the war was Israel's "most just," against a background of disturbing pictures of wounded Israeli soldiers, bombings and combat.

"We must not return to the days

of Sharon," the ad concludes.

"We are trying to tell those who are sitting on the fence that they don't have the luxury to abstain from voting," Eli Goldschmidt, a lawmaker from Barak's Labor Party, said from campaign headquarters in Tel Aviv. "They have to decide between two very different ways, with two very different outcomes."

The theme may backfire, strategists conceded. Many Israelis, unnerved by a Palestinian uprising now more than 3 1/2 months old, favor the iron hand Sharon represents.

Sharon campaign strategist Eyal Arad said his boss's military history will work to his advantage because it demonstrates how he can be called upon to "save the day."

"To say of any Israeli, especially Mr. Ariel Sharon, that he craves war is such a lie that it cannot wash," Arad said.

While Barak is using his campaign propaganda to stir things up, Sharon is interested in maintaining the status quo, holding his comfortable lead and avoiding mistakes. He is attempting to recast his hawkish reputation into that of a friendly grandpa to attract centrist voters.

## Capitol Gets Ready for Inaugural

Thousands Expected To Attend Opening Ceremony Thursday

By Ellen Gamerman  
THE BALTIMORE SUN

WASHINGTON

The presidential inaugural celebration begins Thursday when Army paratroopers drop over the National Mall, Ricky Martin performs, fireworks light up Washington and thousands strain for a glimpse of their next leader.

All the tickets to the balls are sold out, traffic headaches seem all but certain and the weather may or may not cooperate. But the party atmosphere still reigns as the capital gets ready for a four-day inauguration party for George W. Bush, who is to arrive here Wednesday night.

The opening ceremony features a military flyover and a touch of Vegas — Wayne Newton — backed up by the Radio City Rockettes. Larry King will emcee the event, which will include light shows and speeches from Secretary of State-designate Colin L. Powell, Sylvester Stallone and more — not

to mention remarks by Bush and Vice President-elect Dick Cheney, making their formal entrance on the Washington scene.

Amid the inaugural bustle, the government is considering whether to send federal workers home early Thursday to avoid gridlock and the D.C. government is preparing to close streets around the Mall for security.

Meanwhile, all eyes remain on the other W — the Weather. Some forecasts call for the possibility of mixed snow and rain on Saturday, Inauguration Day, and organizers are making contingency plans in case the weather turns fierce before the swearing-in. Unlike at some past inaugurations, however, bitter cold is not expected.

The Presidential Inaugural Committee said Tuesday that tickets to all eight Saturday night balls, for a total of 49,500 guests and celebrities, are sold out. The singer Meatloaf will lead festivities at the Ronald Reagan Building, while Marie Osmond, Drew Carey and other celebrities will hold court elsewhere.

Other famous faces are promised for inauguration week.

They include comedians David Spade and Norm MacDonald, boxing legend Muhammad Ali, singer Loretta Lynn, game-show host Pat Sajak and martial arts star/actor Chuck Norris.

Besides the inaugural balls, most other events are out of tickets as well. All three major Friday events are booked: Laura Bush's celebration of American authors featuring mystery writer Mary Higgins Clark, historian Stephen Ambrose, social critic Stanley Crouch and others; Cheney's salute to veterans with Gerald McRaney, of "Major Dad" TV fame; and a youth concert featuring Destiny's Child, 98 Degrees and Lee Ann Womack and several more pop acts.

But there's always space for anyone who wants to stand at the opening ceremonies and at the swearing-in, though tickets for 5,000 seats and 10,000 choice standing spots are no longer available. But farther back on the Mall, no tickets are required to stand at either of these outdoor events. Thursday's three-hour opening begins at 3 p.m., followed by 10 minutes of fireworks.

## At Bush's Request, Tenet Will Stay

CIA Director First in 28 Years to Remain after Administration Switch

By Vernon Loeb and Mike Allen  
THE WASHINGTON POST

WASHINGTON

George J. Tenet has agreed to remain as director of central intelligence, President-elect Bush announced Tuesday, making Tenet the first director in 28 years to remain in office after the White House switched parties.

Bush press secretary Ari Fleischer said Tenet has agreed to continue for an undetermined period. Fleischer said Bush will decide Tenet's tenure later, and said he did not know if the search for a successor will continue.

CIA spokesman Bill Harlow said Tenet "is pleased and honored to have the opportunity to continue to serve."

The last director whose tenure was extended when the White House switched parties was Richard M. Helms, who was appointed by President Lyndon B. Johnson in

1966 and served until 1973, under President Richard M. Nixon.

With more than three years in office, Tenet is also the longest serving director since William H. Webster bridged the gap between the Reagan and Bush administrations and served a little over four years from 1987 to 1991.

Bush's father, the former president, served as director of central intelligence for slightly less than a year at the tail end of the Ford administration. He was disappointed that President Jimmy Carter did not ask him to stay on, and believed that the director's post should have been depoliticized and taken out of the partisan transition cycle.

CIA headquarters was renamed the George Bush Center for Intelligence in honor of the former president in April 1999. Tenet threw a huge party for the former president at dedication time and later staged a major Cold War intelligence conference at the Bush School of Government and Public Service at Texas A&M University.

Tenet's reappointment was opposed by some conservatives,

particularly Sen. Richard C. Shelby, R-Ala., chairman of the Senate Select Committee on Intelligence, who said last month that he thought Bush should have "his own person there."

But Rep. Porter J. Goss, R-Fla., chairman of the House Permanent Select Committee on Intelligence, had counseled Tenet's retention and called it very good news. "I think his word is considered good in this town, which is high praise," Goss said.

Tenet, 47, served as CIA Director John M. Deutch's deputy from 1995 to 1996 and became director in July 1997 after Anthony Lake withdrew from consideration after a bitterly partisan confirmation battle in the Senate.

Also Tuesday, Fleischer announced that Bush will add a White House position to coordinate economic goals with the national security staff, since "international economic policy now has defense implications and economic implications." The position, a deputy assistant to the president, is to be filled by an expert in international economics, to be named later.

## Personal Health Records Opened To Marketers, Fundraisers

THE WASHINGTON POST

WASHINGTON

New federal medical privacy regulations, touted by the Clinton administration as a landmark of patient protection, will for the first time explicitly permit doctors, hospitals, other health services and some of their business associates to use personal health records for marketing and fundraising.

The rules were included in the federal regulations after a months-long public relations effort by the industry. Under the exemptions, doctors, clinics, hospitals and others that normally have access to medical records — along with business associates working under contract with them — will be allowed to send out individualized health information and product promotions.

A pregnant woman, for instance, could receive pitches about vitamins or infant health-care products. A patient who has been treated for sexually transmitted diseases could receive telemarketing calls offering condoms or new medicines.

The exemptions also give foundations affiliated with hospitals continued access to patient names, ages, addresses and telephone numbers for fundraising initiatives. Such foundations raise billions of dollars annually by soliciting patients and their families at medical facilities and at their homes.

## As Shocks Rock El Salvador, Villages Cope With Damage

NEWSDAY

SAN AUGUSTIN, EL SALVADOR

The steep hike from the hinterlands into this town was hardly worth the trouble for Carmen Villalta. This community of 6,000 that is the nucleus to a dozen or so tiny villages was little more than a mile-long stretch of desolation.

"All the houses down there are flattened," Villalta said, pointing down a dirt road to her tiny village of El Rodeo. "I was helping my mother, who lives down there, and now I'm going down to Usulután to see what I can buy."

She was following a path trod in tragedies that strike remote areas of poor countries — from abandoned corners toward the place with the most people, and the most chance of help. Now, it was time to cover the seven miles by bus to the capital of this province in eastern El Salvador, Usulután, where she works as a live-in maid.

And it was time for those who had skirted disaster to travel to her. Pockets of misery randomly scattered over this Massachusetts-sized nation of 6 million began seeing their first serious help Tuesday.

The provincial capital of Usulután itself survived with sparse damage, though the province accounted for nearly a quarter of the 45,000 homes that were destroyed nationwide. But unlike Hurricane Mitch, which transformed the entire region into islands two years ago, damage is more random and much of the country is functioning with surprising normalcy.

## Ancient Bird Fossil Attracts Attention of Paleontologists

NEWSDAY

Like the early bird fossil that got the worm, an 80-million-year-old bird fossil discovered in the Gobi Desert is definitely getting the attention of scientists.

Found in a remote region of Mongolia known to paleontologists as Ukhaa Tolgod, the remarkably well-preserved specimen has provided a new basis of comparison for typical modern birds and a rebuttal to the notion that early birds were divided into distinct terrestrial and near-shore groups.

"We know so pitifully little about birds during their early history," said Mark Norell, curator and chair of the Division of Paleontology at the American Museum of Natural History in Manhattan. "It's the sort of thing that you're incredibly fortunate to find — one of these fossils from a poorly sampled period of avian history."

Norell and Julia Clarke, a doctoral candidate in paleontology at Yale University, named the pigeon-sized fossil specimen *Apsaravis ukhaana* and detailed their discovery last week in the journal *Nature*.

Paleontologists have theorized that an early transitional bird group called *Ornithurae* was limited to near-shore environments and shorebird communities until a mass extinction during the Cretaceous period wiped out the dominant land birds of the day, the *Saururae*. But the new specimen, considered one of the best representations of *Ornithurae* birds from the Cretaceous period, was discovered in a region of Asia that was landlocked even then.

## Clinton, Bush Officials Quarrel Over Estimates for Surplus

THE WASHINGTON POST

WASHINGTON

Officials from the outgoing Clinton administration and the incoming Bush administration tangled over estimates for the budget surplus Tuesday, foreshadowing coming congressional battles over how much money is available for President-elect Bush's signature tax cut.

Bush officials said that in President Clinton's final budget report to Congress issued Tuesday, the White House had fiddled with the underlying data to make it more difficult to enact Bush's 10-year, \$1.6 trillion tax cut. Ari Fleischer, Bush's spokesman, said Bush will ignore Clinton's report and have his staff produce fresh data.

"We will not be using these estimates," Fleischer said, ticking off a series of complaints about how the numbers were produced. "We'll be using more updated, more accurate estimates."

The White House projected an overall surplus of \$5 trillion over the next decade. But administration officials said that if spending grows with inflation, Social Security and Medicare surpluses are placed in reserve, and certain "temporary" programs routinely extended by Congress are included, there would be only slightly more than \$1.6 trillion in surpluses over the next 10 years. That would not leave enough to cover Bush's tax cut, which with interest costs could drain revenue by more than \$1.9 trillion, let alone his other spending plans.



# OPINION

## The Perfect Role

If President-Elect George W. Bush has indeed asked MIT President Charles M. Vest to serve as the White House Science Adviser, Bush has made a wise decision. Vest holds a unique

### Editorial

understanding of the relationships between universities and the government and is an excellent choice for science adviser in the new administration.

One of Vest's crowning achievements as president of MIT has been his cultivation of ties between the Institute and Washington. The establishment of the MIT Washington Office in 1991 to track issues related to science and technology research and education is one of the highlights of Vest's administration. Vest himself travels to Washington regularly, meeting with key

congressional leaders and figures in the administration regarding the importance of science and technology research.

We have no doubts that Vest would be respected by leaders of both parties if he assumes the role of science adviser, and that President-Elect Bush would give the highest consideration to his advice. While Vest is a Democrat, he has worked closely with the Republican leadership on Capitol Hill to gain bipartisan support for research funding increases, which have benefited MIT and research institutions across the country.

If Vest has been offered the job and decides to accept it, he would undoubtedly perform his duties with the greatest respect, and receive the utmost respect from our nation's leaders. He is simply the best person for the job.

## Letters To The Editor

### The Appeal of TEAL

I am writing in support of TEAL, the proposed studio physics class for 8.01 and 8.02. There are two issues that people opposed to TEAL bring up: the plan for it to be at the Student Center and the validity of the program as a whole. I will address both these issues.

First, though, I wanted to say that I took 8.02 this past fall, and Professor John Belcher incorporated some of the aspects of TEAL into our class. It was very helpful to me in learning the material and concepts of 8.02. I have never done too well at physics, but this last semester, I felt like I understood the material. I had Prof. Belcher for a recitation instructor, and in our recitation we did experiments and computer simulations with those experiments. These things were very helpful to me because I could visually see physics concepts. Overall, my experience in 8.02 was my best class experience at MIT, and it was because Prof. Belcher incorporated TEAL so well into the curriculum.

On the issue of using W20 space for the studio physics classroom, I would like to say that the philosophical arguments against using Student Center space are absurd. This is a practical issue. There are plenty of places on campus where students can relax, but there aren't many places on campus that can accommodate a studio physics classroom. If anything, putting the TEAL classroom in the Student Center may be more convenient for students in the class. Honestly, putting a classroom in the Student Center is not going

to wreak havoc on MIT student life.

On this issue of the validity of TEAL, I would like to repeat that learning through TEAL has been the best part of my academic experience here at MIT. TEAL incorporates computer simulations, small groups, and experiments into the usual physics curriculum of problem sets and lectures. TEAL gave me a more hands-on look at physical concepts. In the traditional 8.01 and 8.02 way, students sit in large lectures with a few hundred other students and memorize algorithms to do problem sets and exams. This is not a very good way to teach students material, especially if you want the students to truly understand the basic sciences. While the traditional may be simple and efficient, it is not very good. TEAL, on the other hand, is a very helpful and interesting way to learn. It allows students to learn from each other and have more attention from the professors and TAs.

TEAL may be a very different approach to learning, but it is also a better way to learn.

Julia Lê '03

### Lead Us Into "Temptation"

In the column "The Island Of Dr. Ruth," [Jan. 10], Jyoti Tibrewala uses the words "ashamed" and "embarrassed" to describe not only the participants in FOX's "Temptation Island" but also the "portion of the public that would watch the show." In her opinion, "people who would summarily decide to put them-

selves in a situation with the potential to destroy everything" should be disgusted with themselves.

In my opinion, these couples did not participate in the show looking to wreck their relationships, nor do they say that their relationships are so strong that nothing can tear them apart (and what's wrong with that anyway?). Rather, they are trying to satisfy a human curiosity that is well justified. With such a high rate of divorce — the majority of which are a result of infidelity — couples want to be assured that their partner will be faithful.

To be certain that your significant other is loyal, why not find out if he or she would cheat on you with the next sexy person who walks by? I think it is far better to discover that your partner is unfaithful before marriage than after years of marriage with children. Knowing from personal experience, divorce can be detrimental to both the parties involved and their children.

I believe that I am one of many who wouldn't be ashamed to say that they would put their relationship to the test. The act of adultery is so common that I would be curious to see if my significant other would cheat on me. This program allows us to identify with real people with real relationships and can even give us insights by which we can determine if someone is untrue. Observing the lives of such couples is far better and more interesting than watching fictional characters who have perfect romantic lives that never exist in real life.

Honestly, how many females out there, have found Mr. Right, who swept her off her feet and bought her roses, chocolates and anything she wanted, on the first try? Maybe there are a few, but certainly not many.

This show cannot be compared to the show "Who Wants to Marry a Multimillionaire" because that could never happen in life outside of TV, but infidelity is far too real in present day life. Rather, I would compare the show to MTV's "The Real World" or other reality programs that depict real people having real relationships and living in a real situation.

I do agree with the author that relationships are personal and private, and I admit I wouldn't want millions of viewers witnessing my partner in the act of cheating on me. However, these couples willingly opened their lives to the cameras. It is not as if the cameras were uninvited and that they exposed secrets that the c\*-ouples did not volunteer to share.

If I had a television in my room, I would not be ashamed to be one of the however many million viewers who watch the show.

Sonya C. Tang '04



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# Mr. Vest Goes to Washington

Roy K. Esaki

Sooner or later, everyone is given the chance of a lifetime. For MIT President Charles M. Vest, this big break has come twice. The first was in 1990, when he was selected as president of MIT. The other is coming now, as he considers becoming the Science Adviser to the Bush administration. Given the potential for what he could accomplish in Washington, it would probably be in the best interests of both MIT and Vest himself for him to accept the post.

This isn't the first time Vest has had the opportunity to go to Washington — Bill Clinton offered him the job of Science Adviser in 1998. However, Vest declined the post then, a decision possibly influenced by both Clinton's lame-duck status and by the general consensus that the post held little real power, especially with Clinton's hands-on administrative approach.

This time, Bush's tendency to delegate policy-making (not to mention his ignorance of scientific issues) would give the position more power. The Republican Congress and White House, with strong commitments towards large-scale military projects such as the National Missile Defense Program and Star Wars shield, may not always be inclined to heed Vest's opinions. Given such leanings in Washington, however, it still would be more effective for

Vest to work within the Bush Administration rather than outside of it. Furthermore, the venerable title of MIT president, in addition to his considerable experience in the administration of science research programs and institutions, would give Vest's advice considerable authority.

Ultimately, though, Vest's decision to

*Because of the bipartisan respect and influence Vest has gained on Capitol Hill and in the White House, he could effectively exercise his political influence to the benefit of both MIT and the scientific community.*

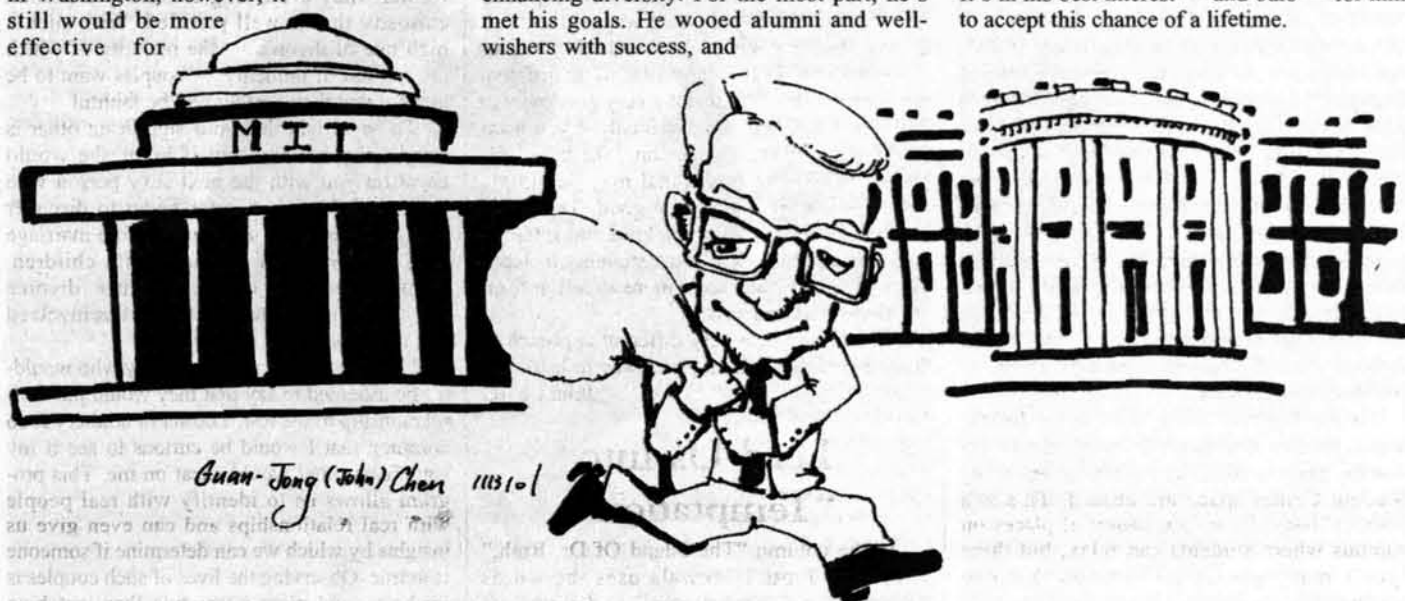
leave MIT should hinge on whether or not he has accomplished the vision that he set a decade ago. Vest's official agenda focused on providing a strong monetary base for financial aid and research and bettering the sociological and demographic nature of the MIT community by addressing student life and enhancing diversity. For the most part, he's met his goals. He wooed alumni and well-wishers with success, and

led MIT's uphill legal struggle in the 1991 "overlap suit" to preserve the right to share information on admitted students with other colleges in order to maximize financial aid for all students. Additionally, Vest addressed discrimination and diversity issues and aimed to address student life issues, especially during the post-Krueger aftermath.

However, Vest's greatest accomplishment by far was not internal fund-raising, but external lobbying for research funds. He spearheaded the creation of MIT's lobbying office in Washington D.C., one of the first of its kind, and continues to work with Congress and the White House to encourage federal support for scientific research and education. Because of the bipartisan respect and influence Vest has gained on Capitol Hill and in the White House, he could effectively exercise his political influence to the benefit of both MIT and the scientific community.

One of MIT's most important priorities is to maintain the \$243 million earmarked for federal research funds in a Bush administration. MIT and the research community would greatly benefit from a capable and proven advocate — Vest — on the inside. Thus, MIT would benefit from Vest more if he were to be Science Adviser than if he remained as President.

Should he choose to take the post, we in the MIT community should give him our best wishes for a successful career in Washington. It's in his best interest — and ours — for him to accept this chance of a lifetime.



## A Peculiar Marriage

Philip Burrowes

They were American success stories to make Horatio Alger proud: four immigrant brothers mixed hard work and ingenuity to found the first movie studio of the "talkie" era; the son of a missionary in China co-founded the magazine which would set the standard for all news magazines to follow. The visual and print media behemoths which would be spawned by the Warners and Time, however, were beyond the imagination of any of their contemporaries. When the two empires merged in 1989, it was the birth of an entity which pervaded almost every aspect of daily life this side of food.

Then, after Time Warner had become a believable — though still impressive — being in the marketplace, the unthinkable happened again: it was bought out. Not by a Disney or even an IBM, but by America Online, a company which, even at its peaks in revenue, services a much smaller community than its new subsidiary.

Beyond the culture shock of having the modern-day *nouveau riche* subsume the modern day aristocracy, there is the financial reality of the new company. Only a few months after the Justice Department had declared Microsoft a monopoly, a corporation of AOL Time Warner's magnitude is bound to step on a few free enterprise toes. Even if its existence is not especially detrimental to its competitors, the effect it will have on all projects involved is debatable, especially in the context of the "dot.com bust" the industry has experienced since the merger was first announced.

Time Warner had been giving broadband Internet through a division of their extensive cable company. It was important that the company not block use of their cable lines from users with ISPs other than AOL. Yet that was not the ultimate hurdle to the deal. After approval by both the European Union (following the severing of a few European alliances by both sides) and America's FTC, the FCC zeroed in on AOL's near-dominance of the instant messaging market.

Before AOL Time Warner advances its IM

technology to better incorporate other media than text, it must open its format to other services. Some competitors, notably Microsoft, want more conditions but it is unlikely to receive more unless AOL Time Warner acquiesces as a favor.

While this was not unexpected by market analysts, it is still rather odd. The government has never really known how to treat the Internet, a bit like it did not know how to treat television in its early days. Few could have foreseen the impact an expansion of AOL's mini-chat rooms would have.

*Not much should be expected of companies that weren't experts at synergy to begin with.*

Apparently, it is now an industry unto itself. This is an ancillary development, however, for AOL did not become an ISP in the true sense until after some time marketing itself on the basis of exclusive content. As web browsing grew in popularity, AOL shifted to priding itself on ease of use, developing remote access to instant messaging and e-mail. Where its competition used to be eWorld and Prodigy, now there were the other ISPs, and suddenly the main success it had in propriety formats — IMs — was viewed as a monopoly. In retrospect, it is amusing considering this situation was not significantly affected by the merger (far more important in that respect was AOL's acquisition of ICQ over two years ago).

Indeed, how much of an effect could Time Warner have on AOL, or vice versa? The prospect of developing exclusive content is no longer as promising as it once was. Time Warner's content web sites such as CNN.com would benefit far more from getting increased exposure than from focusing on AOL's membership base. While the company could always use some web-savvy leadership, AOL was never about making better web sites for people; it hasn't even gotten

around to making a better web browser out of Netscape.

Where the deal's true strength may lie is simply in more capital. While unlike most Internet ventures AOL can turn a profit, like the rest its situation is precarious. Time Warner can provide a solidarity through whatever unforeseen mishaps may occur. If the new company should ever seek to make web portal of Yahoo's magnitude, it would certainly have the resources to pursue it. Whether that's on the back burner remains to be seen, but it is one of few viable collaborations by AOL Time Warner's divergent sectors.

Not much should be expected of companies that weren't experts at synergy to begin with. Time Warner's various cable channels, for example, rarely share programs (aside from those first owned by Turner, which struggle to maintain independence). AOL 6.0 still uses Microsoft's Internet Explorer for a web browser despite owning Netscape. While the child-targeted components of Time Warner have integrated relatively well, such as Warner Brothers animating cartoons about DC super heroes, the company could never make the Six Flags Theme Parks as successful as it originally hoped. CompuServe's purchase by AOL seemed more of a ploy to prevent competition than to improve its online services. The sheer number of enterprises involved probably prevents any true integration.

Pure dollars and cents may make the deal seem important, but it truly isn't, at least not in the ways imagined. Not only is complete cooperation by all sectors not a pressing concern, but it may actually be best to let each group do its thing. This is not the creation of a much larger entertainment company from two as Disney and Capital Cities did, nor is it a collaboration between obviously complimentary groups as in the original Time/Warner merger. Should AOL Time Warner choose to create an all-new initiative, it may be the one corporation with the ability to truly impress the public, but the Internet just isn't as important as it is made out to be, especially financially, especially now.

## MIT's Advising Recession

Jason H. Wasfy

"You shouldn't even consider going to MIT as an undergraduate," a gray-haired professor from a small college in western Massachusetts told me one afternoon in the spring of 1997. "If you want to go to MIT," he continued, "wait until you're ready for grad school." I was a senior deciding on my final college choice. This professor was adamant that I should go to a small college, because at MIT, I wouldn't have meaningful contact with faculty.

The professor's warning was wrong. Several wonderful mentors, both faculty and administrators, have enriched my time at MIT. But most undergraduates here do not receive the faculty advising they need and they deserve.

Serious deficiencies in advising at the Institute begin in the freshman year. Only about half of freshmen have faculty advisers. Although the administrative staffers who advise the other half of the freshman class can be wonderful, often only faculty wield the recommendation clout necessary for an advisee to land a summer job or to win an award. Faculty need to be advising freshmen.

Even the best aspect of freshman advising — the seminars that bring advisers and students together once a week — are not fully adequate. These seminars only meet in the fall, preventing freshmen from maintaining regular contact with their advisers throughout the school year.

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Also, a subtle tension exists between the academic demands of these advising seminars and the informality that good advising requires. All freshman advising seminars are nominally six-unit classes. Some assign six units of work, but many don't. The seminars with less assigned work probably allow more informal, stress-free seminars, and they're also better for advising. But only seminars with more classwork are worthy of six academic units. Faculty committees should crystallize these principles by eliminating academic credit for freshman advising seminars and including these seminars in the General Institute Requirements.

Following a problem-filled freshman advising experience, the transition to departmental advising can be rocky. If a rising sophomore has emotional or psychological problems that the freshman-year adviser has noticed, how can the new advisers be aware of these problems? Notes in files are probably rare, and they're less helpful than direct contact between the two advisers. That direct contact needs to happen more often.

Departmental advising for upperclassmen, following a bad advising transition, can be even worse. While freshman advising is overseen by competent and respected administrators from the Academic Resource Center, no Institute-wide quality control exists for upperclassman advising. Individual departments run their own advising — some departments do a wonderful job, some do an awful job. But ensuring that all departments advise their undergraduates well lies within the scope of MIT's vital institutional interests. The Institute must establish a mechanism that connects good advising to departmental funding from the provost to encourage departments to provide quality advising.

In the end, what advising at MIT really needs is a Marshall Plan to rebuild advising throughout the Institute. Better advising requires money — money to train advisers, money to attract faculty to freshman advising, and money to oversee departmental advising throughout the Institute. That financial commitment would be a good step towards making MIT's undergraduate education as solid and innovative as its top-notch research.



# The Library Space Race

Jyoti Tibrewala

A recent survey indicated that many students and faculty found MIT's scattered library system difficult to use. Currently, the library system at MIT consists of five major libraries and five smaller ones, in various locations all over campus.

In response to both this and an increasing space shortage problem, the Faculty Committee on the Library System is considering switching the Humanities and Engineering Libraries. The move would combine the Engineering Library with the Science Library, located on the first floor of Hayden Memorial Library.

It should be obvious that this is not the solution. Granted, it has the potential to reduce the dilemma faced by students and faculty. However, the current setup has worked for this long. Students and faculty have learned how to use the library system, however disjointed it may be, so it is obviously workable.

*[T]he most permanent solution to this problem [of library space] is the construction of a large new library in which to house the volumes we currently have in off-site storage.*

The real issue that needs to be addressed is the space problem. Swapping the two collections does nothing to create space. In fact, the engineering collection requires more space than the humanities collection; so the move pushes the Engineering Library into an even smaller space, intensifying the space problem.

A space substitution is also impractical. In addition to housing the Humanities Library, Building 14 also contains many of the humanities offices. Thus the location of the library is undoubtedly convenient for many members of the humanities faculty.

Another idea on the table, compact shelving, is equally as ill-advised. The committee has already received support from the administration to construct compact shelving in the Hayden basement. There are currently regular shelves there. Compact shelving would increase the storage capacity, but not by much. Since there would only be a small increase in capacity, the idea doesn't seem worthwhile.

What we should aim for is the construction of a new library. Since it would most likely be off-campus, we shouldn't have the intention of making this one a centralized library. It should instead be built to house the books that are in off-site storage. The library should also be built to last a long time. That is, we should take into consideration the average number of new materials we receive each year, and account for the ten years before the library is open to the public and then some; this way, there isn't a pressing need for a new library to be built every couple of years. In order to minimize the inconvenience that would arise from the new library being off-campus, it should be built as close to campus as possible. Other solutions provide only temporary results. Only a new library can deal with the situation in a more permanent manner. Even though it will be ten years before the new building can be used, at least we won't be looking at this same problem ten years from now.

Since storage space is also running in short supply, we should continue to seek out space that is close to campus. Perhaps we could also use some of the dead spaces that are scattered all over campus. Forget about scoping the areas out for their compatibility with compact shelving; just use it as plain old storage. The fact that they would be on-campus would facilitate access to materials stored in these places.

The MIT library system may not be like that of other colleges, but it is not necessarily flawed. The system has lasted us this long, so who's to say it can't last longer? There is only one real dilemma we are faced with, and that is the lack of available space that is also accessible. For now, the most permanent solution to this problem is the construction of a large new library in which to house the volumes we currently have in off-site storage. Passing up this solution will only keep the problem returning every couple of years.

Ken Nesmith

I think suffocation would be one of the worst ways to die. It would be terrible; to first realize that you couldn't breathe, and then to explode in frenzied panic as your most basic instincts pushed you to fight furiously to get air, somehow. As the last of your air ran out, you would slip slowly and despairingly into death, all your efforts for naught.

Of course, there are lots of ways to die, and most of them are, not surprisingly, rather unpleasant to think about. But oddly, I found myself thinking specifically about the feeling of suffocation as I read the latest media flurry over global warming.

Global warming is real. The temperature of the earth is rising, and recent research suggests that our behavior is directly contributing to this rise in temperature. As temperatures rise, all sorts of secondary effects come into play, several of which are probably unforeseen. It seems, however, that water levels will rise, weather conditions will become more extreme, and climates will change. Some of this has already begun. These changes could in turn endanger forests, crop yields, and water supplies.

It was once thought that forests could absorb enough of the 160 million tons of carbon dioxide we spew forth daily to eliminate much of the risk of damage to the environment. New research shows that forests absorb carbon dioxide as they are growing, but release all of it back into the atmosphere as they reach maturity. Furthermore, emissions are expected to increase more than eightfold in the next fifty years, thanks to population growth and increased energy use among the billions of people who currently use little or none.

It was also hoped that the rising temperature would induce more cloud cover, which would reflect the sun's energy away from the atmosphere, providing a natural dampening effect to counter the earth's warming. Instead, NASA research shows that warmer air results in thinner cloud cover and reduced heat reflection. Furthermore, the additional heat increases water evaporation, which worsens the problem, as water vapor traps heat much more effectively than carbon dioxide.

The earth is a marvelously complex dynamical system. We have a strong incentive not to upset its balance, since we live here. We would probably be somewhat worse off if

we were to change things enough to trigger, say, another ice age, or even much less radically alter the environment. In a system like the earth, the possibility that changing one variable, like the concentration of greenhouse gases in the atmosphere, could have these drastic effects is disappointingly real.

These notes on global warming represent only a fraction of the most recent reports, each of which is frightening not only because the problem is so real and immediate, but because there is so little we can do about it as individuals. World governments hold the power to decide how we will treat the environment we live in.

The world's leaders are having a discouragingly hard time solving the problem. At the November meeting of delegates from 170 nations at The Hague, three groups with diverging interests faced off and didn't get much done. The "umbrella group," consisting of the U.S., Japan, Canada, Russia, Australia, New Zealand, Norway, Iceland, and Ukraine, would like to create a worldwide market for emissions rights that, while potentially effective, would allow rich countries like the U.S. to buy their way out of making significant changes to their way of life.

The European Union protests that

this is not an adequate solution because it would not force industrialized nations, which comprise only a quarter of the world population but produce over eighty percent of greenhouse gas emissions, to make genuine changes in their destructive, self-indulgent habits. The EU also rightly objects to the use of carbon sinks such as forests as credits against emissions requirements. Forests, as noted, play a smaller role in controlling carbon dioxide than previously thought.

The G77 group includes 133 developing countries, including small countries at risk

of being swallowed by the rising sea, as well as the members of OPEC and, most importantly, China. They feel that since the rich nations are producing the vast majority of the pollution, those nations should do the most to reduce emissions. They also seek compensation for their own reductions, since economic development is complicated when one is forced to respect the environment.

The effects of what we do now will be felt for some time. It would take approximately a century to stabilize carbon dioxide levels if we made significant changes today, which we are not, and the secondary effects of what we have already done would last another half a century past that. The United Nations Intergovernmental Panel on Climate Change has concluded that the world as a whole needs to cut emissions by sixty percent. The Kyoto protocol, which faces plenty of trouble in defiant nations like the United States, limits emissions reductions to 5.2 percent below 1990 levels.

And as I think about all of this, I begin to feel it; suffocation. Our folly seems so blindingly obvious; so utterly devastating to the world in which I want my children to grow up, and yet I am denied that truth, as if I were denied breath, by so many who don't see our actions as problematic, or if nothing else, value economic well-being over that of the environment.

I feel trapped, frenzied, claustrophobic; there has to be something I can do — and those basic instincts drive me now not for the sake of self-preservation, but for consideration of the people I love and the family I will have. But I look around, looking for some sign of relief, and I see only our president, I see our failure to change, and then I fall away, not into death, but into nausea and then despair, and finally apathy — our fate will be determined by people over whom I have no control or influence. All I can do is hope against hope that somehow, things will turn out okay.



# The Myth of Class Warfare

Guest Column  
Matt Craighead

Michael J. Borucke's column in the Jan. 10 Tech ["The Next Four Years"] is an example of what I believe is tearing our country apart — the destructive politics of class warfare.

The proponents of class warfare attempt to divide our society into two groups. There are the malevolent "rich," represented by evil Big Business and evil Republicans driven by greed, and there are the saintly "poor," who are just trying to get by. The middle class, they say, is disappearing, and the rich just keep getting richer while the poor just keep getting poorer. What's the solution, they say? Soak the rich. Taxes. Lots of them. Then give it all back to the poor with social programs.

This view of society is horribly misleading. No one could ever draw a line between the "rich" and the "poor." You can't look at someone and tell whether they are rich. Millionaires, by and large, don't fly around in Learjets and don't have a wardrobe of 50 Armani suits; most are ordinary people. Only a tiny fraction of millionaires inherited their wealth. This view also disregards two very important facts. First, the rich and poor are not static groups. In fact, America's classes are quite fluid. Second, it disregards the millions of Americans who are not rich but want to be rich — widely considered to be an element of the American Dream.

We hear so much about the richest 1 percent of our society. At best this is a misleading term, because it doesn't say whether wealth or income is the standard, nor does it say whether we're counting married couples as individuals or together; but disregarding these concerns, the income of a family at the 1 percent line is not \$1 million, nor even \$500,000 — it's \$200,000. Although the top 1 percent earn one-sixth of the income in our country, they pay one-third of the income taxes, while the bottom 50 percent pay just 5 percent of the taxes. We hardly need to "soak the rich" more — they're already being soaked! We've also all heard about how the evil "1 percent" get all the benefits from Bush's tax plan, but few real-

ize that the percentage of taxes they pay increases under Bush's plan.

Class warfare's whole premise rests on the idea that in the economic transactions of life, the "rich" somehow have an advantage over the "poor" and use that power to exploit them. This might have been true in the 19th century, when some companies ran entire towns, but it is ridiculous in the 21st century. Today, the line between employer and employee is blurring. Many households hire people for things as diverse as child care, cooking, and accounting. The relationship between employer and employee is one of mutual benefit, as are all economic transactions.

*The proponents of class warfare attempt to divide our society into two groups .... This view of society is horribly misleading. No one could ever draw a line between the "rich" and the "poor."*

The taxes and regulations our government uses to "balance out" the nonexistent advantage of the rich have incredibly destructive consequences.

Taxes make everything more expensive for everyone. Your employer pays a payroll tax on your income, and then you pay additional taxes of all kinds at the federal, state, and local levels. Agricultural price controls in the name of "saving the family farm" make food more expensive. Protectionist tariffs help individual industries but hurt consumers and other businesses. The minimum wage and other labor laws both boost unemployment and make products of all kinds more expensive. Corporate income taxes are hidden taxes that show up in prices in the end. Massive federal and

state regulations on medical care not only deny you the ability to choose your doctor and your health care plan freely but also ruin the quality of service.

Finally, taxes reduce everyone's incentive to work hard. I've only scratched the surface of how destructive taxes and regulations are; suffice it to say that deregulation and massive tax cuts would be the best thing that could ever happen for our economy.

Finally, I'd like to touch on a common criticism of my point of view, that I'm putting money over people, over the environment, or over health. This is untrue. Government programs to save the environment or to protect the health of the public are just as ineffective as those social programs. Government bureaucrats have a remarkably poor record in picking regulations that are cost-effective in saving lives; many cost hundreds of millions of dollars per life saved.

Those freed from the burdens of Big Government, however, can direct their concerns to what really matters. Wealth contributes to health. Wealthier individuals have better diets and lower levels of stress, and they can afford better health care. A \$12 million reduction in wealth, however, roughly corresponds to another premature death. The environment is also usually better served by private individuals. One of the best ways of saving the rainforest, as some environmentalists have realized, is to simply buy it up. The same reasoning applies to the millions of acres of land that the Clinton administration has recently declared off-limits to nearly all human use, including recreation.

Don't call me a Bush apologist. I didn't vote for Bush, and although I think his ideas are miles ahead of Gore's, I feel that he won't stand up strongly enough for them. In all likelihood, he will stand and watch as an ever-climbing tax and regulation burden, driven by the special interests that feed on Big Government, strangles our economy and, ultimately, our freedom. But until we see what he actually does, let's all agree to give him a chance and to end these destructive politics of class warfare.

Matt Craighead is a member of the Class of 2002.



# FEATURES

## IAP Offers Many Fun, Free Events

By Jennifer Krishnan  
STAFF REPORTER

"MIT students don't have enough fun," according to IAP Coordinator Donna L. Friedman.

Thankfully, the Independent Activities Period can be "a time for exploration and a time for fun," Friedman said. She pointed out that the focus of IAP is on non-credit activities, and she said she encourages students to explore "on and off campus. Boston's a wonderful little city."

There are many opportunities both on campus and off to enjoy fun activities during the month of January — for free.

The Boston Symphony Orchestra gives free admissions to shows at 8 p.m. on Thursdays and 1:30 p.m. Friday afternoons to MIT students with a current ID card, subject to availability. Tickets must be obtained in person up to one hour in advance of the show. To confirm free ticket availability, call 638-9478. For performance schedules visit <http://www.bso.org/>.

A valid MIT ID also earns free admission to both the Museum of Fine Arts and the Museum of Science. Currently, the MFA has a special exhibit entitled "Dangerous Curves: Art of the Guitar." The exhibit, which requires reserved tickets, includes 130 guitars of such legendary performers as John Lennon and Prince.

For those looking for something more active, many ice rinks in the Boston area have free public skating hours. In the North End, there is Porrazzo Memorial Rink, and in

South Boston, there is Murphy Rink, just to name a couple. However, skates are not provided and at some locations, skate rentals are not available. Call the individual rink or check <http://boston.citysearch.com> for more information.

Charm School 2001 will be held on Friday, February 2. According to Assistant Dean for Residential Programs Katherine O'Dair, between 500 and 800 members of the MIT community join in Charm School each year. Held in the Stratton Student Center this year from noon to 5 p.m., the program will include classes on etiquette, a ballroom dancing demonstration, and the first annual charm school fashion show. Charm School is a drop-in event. More information is available at <http://web.mit.edu/rlslp/charm>.

The MIT Dance Mix Coalition has organized "Course MIX," designed for anyone who ever wanted to be a DJ but has never had any experience. It is held on Wednesday evenings during IAP, and participants are welcome at individual sessions. For details, see <http://web.mit.edu/mitdmc/www/iap/>.

Over IAP, there are classes in all kinds of dances, including Contra Dance, International Folk Dancing, Ballroom Dancing, Bharatha Naatyam, South African Gumboot, and Bhangra Dancing. Dates, times and locations can be found in the IAP guide and at <http://web.mit.edu/iap>.

Tonight the women's ultimate team will hold a clinic on how to play ultimate frisbee. Anyone interested should join them from 7:30 to 10:30 p.m. at the Johnson Infield.



SEPHIR HAMILTON—THE TECH

The MIT Media Lab's CC++ group sponsored a lecture last Thursday entitled "Three Big Bangs of BMW Product Development." While Dr. Burkhard Goeschel of BMW discussed diesel engines, iDrive ergonomic design, and cleaner fuels to a capacity crowd inside the Media Lab, a line of BMW cars captured the eye of many passersby outside.

## Veterans Win Hunt

Mystery Hunt, from Page 1

Astronomy found the bloodstone of Agatha Winchester. The team had to solve 4 phases consisting of 13 puzzles each, which involved such tasks as building four objects and attending a costume party on Friday night.

Setec Astronomy captain Christopher Morse '98 said that one of the most interesting aspects of this year's hunt was its structure. "It was very different than the ones we'd seen before," he said. Not only were the players required to solve the traditional types of puzzles but they also faced new challenges. At one point, teams had to win the Atari game *Adventure* to receive the required information. "It's nice to have hunts that have such a huge amount of things to do so that every person is doing something," Morse said.

The winning team was composed of twenty students from across campus who initially were connected only through their friendship with Morse. The team, which has competed for six years, had also won the Mystery Hunt in 1999. The team's name makes reference to the movie *Sneakers*, in which Setec Astronomy is the name of a phony organization. When rearranged, its name spells "too many secrets."

Tara S. Holm G was a member of last year's winning team, which organized the hunt. She said that the hardest thing about writing and administering this year's hunt was "getting everyone together to write the hunt."

According to Holm, the hunt was not about winning but rather about having fun. "Some teams obviously didn't have enough manpower to win," but "it was just so exciting to see them having fun all weekend," she said.

According to Ankur M. Mehta '03, the first time his team, Dumb as Bricks, tried to call in an answer, they found that they were completely wrong. "We were sure that they realized why our name was Dumb as Bricks, he said.

While the small team composed of first and second time hunters struggled at first and went through some frustrating times late at night, they did enjoy the hunt and plan on participating next year. This weekend, Shaefer sent an e-mail to the authors of this year's hunt expressing his excitement that Mystery Hunt has lasted so long.

Just two days after the hunt ended, Morse and the rest of Setec Astronomy have already been developing ideas for Mystery Hunt 2002. Morse said that "the last two hunts have been on the short side," and a lot of people miss the longer game. He would like to make next year's hunt "really MIT oriented."

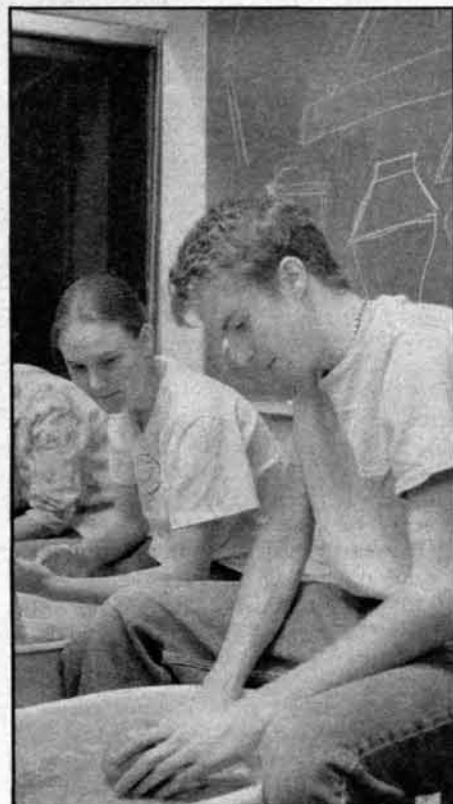
Morse said that while most people don't understand how anyone could spend four days working on puzzles, no one really can understand how much fun the hunt is until they have participated in a hunt. "You never know what puzzles you'll be the one to say 'ah-ha' on. It takes all sorts of weird talents ... you don't have to be able to do weird integrals or solve a crossword puzzle in five minutes."

Morse looks forward to Mystery Hunt every year because it is the "one time of the year I get to see people I don't usually see and run around campus and be a big nerd for three days."



JACQUELINE YEN—THE TECH

Purnima Ratilal, Bindu Dadlani, Laura Dilley, and Reed Anderson proudly display the squash and chopped parsley that they have prepared.



AARON D. MIHALIK—THE TECH

Amy V. Mueller '02 looks over Reid E. Williams '02 during a beginning pottery wheel session on Thursday.

## Investment Challenge Kicks Off With Lecture Series

By Chris Cassa

Although Wall Street stocks have taken a traumatic hit this year, interest in investing certainly hasn't. The annual MIT Investment Challenge filled 10-250 again this year, perhaps with a savvy breed of investors. The popular IAP event features a series of lectures by prominent leaders in the investing industry and a stock portfolio competition.

Monday's lecture featured MIT alumnus Paul Antico '91, a mutual fund manager at Fidelity. Other speakers will include the heads of Marketwise Trading and Farrell Asset Management, both *New York Times* best-selling authors, and directors from JP Morgan and Morgan Stanley Dean Witter & Co. Each will present a two-hour lecture featuring different areas of market investing. Their suggestions and guidance will help the participants develop a portfolio for the competitive part of the series.

Originally founded by undergraduate Sam Jahanmir '01 last year, the MIT Investment Challenge is sponsored by the MIT Investors Association.

Arguably the toughest year for Wall Street in the past decade, 2000 brought the worst loss for the tech-heavy Nasdaq since its 1971 inception and the first loss for the Dow Jones

in over ten years of economic expansion. While a comparatively small drop in the market made last year's Investment Challenge unprofitable for most participants, winner Jef-

Wellesley and Harvard students. MIT undergraduates attending the event mostly come from the Department of Economics and the Sloan Management School, while graduate students and alumni tend to have more varied backgrounds.

Paul Antico '91, portfolio manager for the Fidelity Small Cap Stock Fund, kicked off the Investment Challenge with the basics of stock and company analysis Monday night in 10-250. The Investment Challenge is a series of five lectures covering a broad range of investment topics during IAP. The next lecture is Monday at 7 p.m. in 10-250.



frey Schafer received an 87 percent return on his three month semiconductor investment.

Attracting both graduate and undergraduate students, the competition is also open to

experience was rewarding nonetheless. The MIT Investment Challenge has become, after only two years, one of the largest and most popular activities during IAP.



# New Dean of Science Silbey Discusses The Future of the School

By Katharyn Jeffreys

FEATURES EDITOR

This past December Robert J. Silbey, Class of 1942 Professor of Chemistry, was named as the Dean of Science. He had served as the interim dean since Robert J. Birgeneau left the position to become president of the University of Toronto in January 2000. The Tech recently sat down with Dean Silbey to discuss the future of the School of Science.

**The Tech:** What are your goals as Dean of Science?

**Robert J. Silbey:** Well, first is obviously to continue the excellence in the School of Science that has been true for a long time, and improve on it if I can. That is number one; number two is always to hire great faculty who will do great research and great teaching. My specific goal is hire more women faculty over the next few years and more minorities.

I'm interested in education. I've always been interested in education, so that will be another focus: trying to improve our delivery of education to students. We are proud of what we do, but we could always do better.

**TT:** In that respect, what is your view of the physics classroom proposal (TEAL) and other new ways of teaching that are coming about?

**RS:** Well I support them very strongly. I don't know that they are the answer to all our problems, but the best way to figure out what to do better is to have a lot of experiments. I'm hoping TEAL will make a difference to physics students, freshmen in particular. It looks like it might do some good next year.

**TT:** What do you think about the idea that maybe problem sets are not the best way to teach or that the standard methods of teaching are perhaps flawed?

**RS:** Let's take chemistry, which I know best. We teach 400 undergraduates freshman chemistry every year. We teach 600 or 700 freshmen in physics and math. It's very hard to do that except in a lecture format. And

TEAL is a very exciting idea but it's going to be hard to manage all the support and all that cost that it will need.

So if you're thinking about how we deliver information efficiently, lectures are one way. Of course it all depends on the lecturer ....

If you ask me about problem sets, in some classes that's a very good way of doing things. Recitation sections, as we all know, tend to be, on average, not the best learning places in the Institute. I think that we should give more help to teaching assistants and fac-

count on all those things happening. Even the most conservative lecturers are going to be doing all those things pretty soon too. Whether that makes it easier to learn, we'll see.

**TT:** In what ways is the School of Science expanding?

**RS:** Right now neuroscience is on the front page because of the McGovern Institute and The Center for Learning and Memory. The neuroscience complex is going to be built, and we are excited about that.

There are other really exciting things

enhancement of interdepartmental interactions, because the problems that people are dealing with more and more have to have multiple disciplinary kinds of groups. Faculty and students are going to go there, and it's going to be exciting: the interfaces.

**TT:** Recently we reported that they are considering reshuffling the libraries. What do you think about the possibility of this?

**RS:** Obviously, (if I understood what I read, and I don't know anything beyond what I read in *The Tech*, and I didn't read that very carefully), certainly if we move Engineering and Science together there's going to be a more efficient Science/Engineering Library.

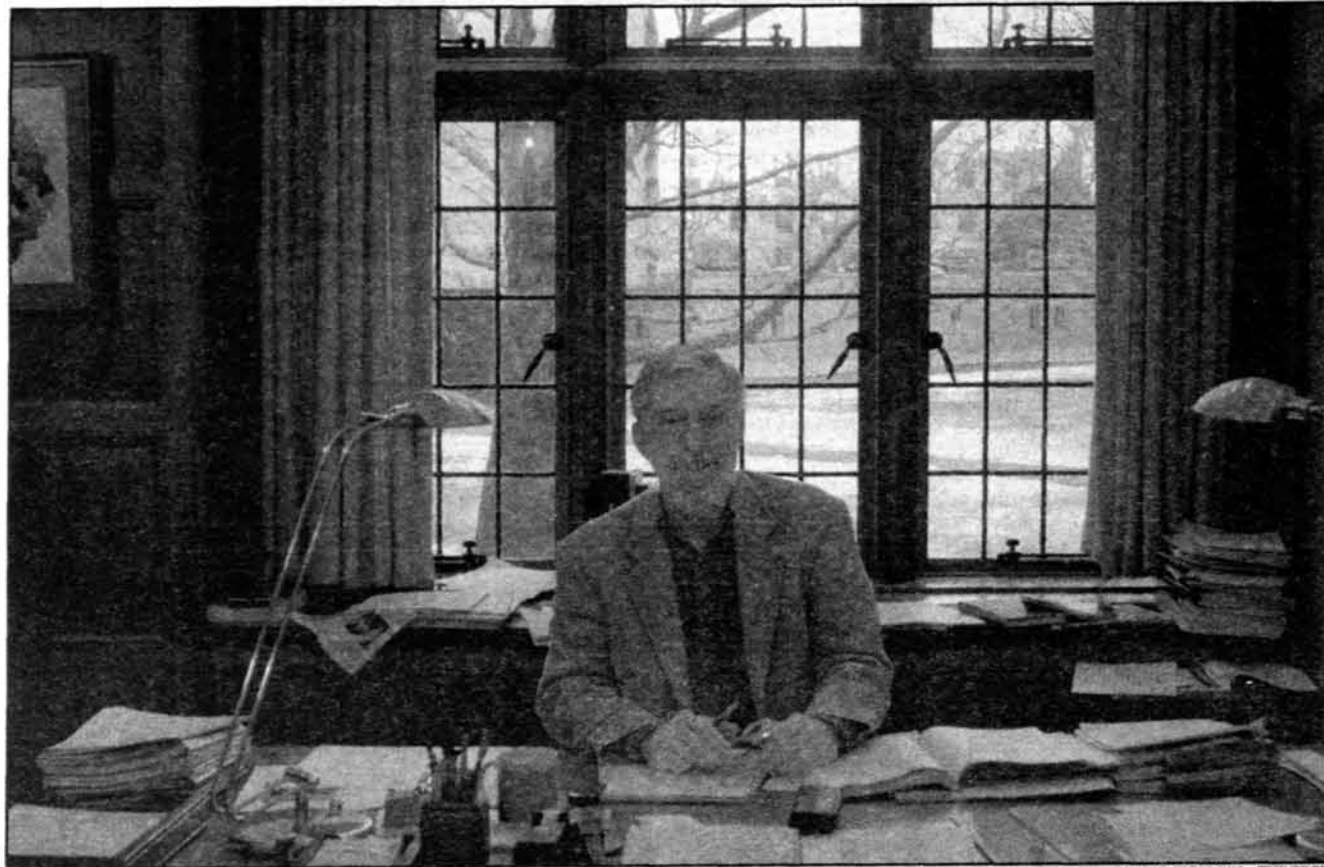
The humanities library would have a larger number of square feet according to the numbers you published, which would be nice for the humanists. It's not a particularly wonderful library that they have upstairs there in building 14.

But, in the long run, there's just going to have to be a lot more money put into the libraries, a lot more changes made. I think everyone is wondering now what to do with the libraries in the midst of this crazy revolution in the Internet and computers. I think it would be nice to have a single central library, but I don't think that's in the cards.

**TT:** Where do you see money for research being allocated: practical industrial uses or scientific pursuits?

**RS:** Most of the research funds that come to MIT come from gov-

ernment grants: there's the Department of Energy, there's the National Institutes of Health, there's the National Science Foundation, and to a certain extent there's the Department of Defense. In science more and more it's NIH funding, and the NIH funding is going to get more and more as we go on. So you see biology ... sneaking into every area in the School of Science. We have mathematicians who do biology, we have physicists who do biology, we have chemists who do biology, we have earth and planetary Sci-



Professor of Chemistry Robert J. Silbey '42 was recently named the Dean of the School of Science.

KATIE JEFFREYS—THE TECH

ulty who are doing recitation sections, as well as lecturers, of course.

We should have more tutors. The chemistry department has put in a tutor system in some of its classes, and it is turned out to be pretty good. Using the undergraduates as tutors turns out to work quite well. I am open to all kinds of things. It would be wonderful to get everybody into small classes, I just don't see how we can accomplish that in some of the introductory classes.

Of course using the web — that is inevitable. We're going to have power point presentations, animations, applets, you can

going on too, including astronomy, environmental and atmospheric science and chemistry. You can go around to all the departments and you can see very exciting things happening, and they are happening because we hire really clever young faculty and we have great students.

I think there's not a planned expansion in other departments, but there is certainly an interest these days in nanoscience, materials science, both in physics, chemistry and in biology. There is a lot more interest in single-molecule and single-cell imaging, which I think is going to grow .... I see much more

Silbey, Page 10

## Spotlight RESONANCE

By Pallavi Naresh

STAFF REPORTER

Take about two dozen voices, give them a sheet of rock to hit, bounce them off onto a little pop, then reflect them onto some R&B, and off again onto techno, and you have Resonance, MIT's soon-to-be newest coed, secular *a capella* group.

The group is being started by undergraduates Sara Jo Elice '01 and Jessica Hinel '03. "[Sara and I] had a class together, and we discussed how much we missed singing and how there wasn't any group currently on campus that we felt like we could belong to. After a while, the idea of forming our own group took hold, and we decided to actually do it," Hinel said.

Both students have been involved in the performing arts since they were toddlers and have been active on campus in MIT's various musical and theatrical organizations.

"We are both really active in other performance groups but haven't joined [an *a capella*] group. We figured creating this new group would give us and others who had never sang *a capella* but always wanted to try it an outlet for our talent," Elice said.

The group is looking for about sixteen to twenty-four people. Auditions are tentatively scheduled for February 1 and 3 from 12:30 p.m. to 5:30 p.m., with callbacks on February 4 from 10 a.m. to 1 p.m., locations to be determined.

Elice and Hinel will initially direct the group, but hope the group will be shaped equally by all its members. "We're very open to ideas," said Hinel. "We want to be as inclusive as possible while maintaining the idea that this should be first and foremost, fun."

"We want to have a ton of fun with this group," agreed Elice. "I think it will really be a collaborative effort on the part of those who join since we're molding the group from scratch."

Resonance is currently in the midst of applying for funding and becoming recognized by the Association of Student Activities. Anyone with questions or comments can e-mail <resonance@mit.edu> and look for the upcoming webpage at <<http://web.mit.edu/sjelice/www/resonance>>.

## Viewpoint

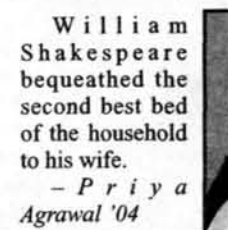
What is the Most Random Fact you Know?



Right-handed people live, on average, nine years longer than left-handed people do.  
—Ruth M. Perlmutter '04



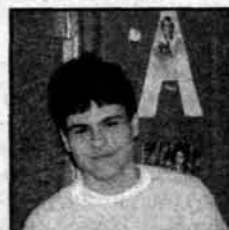
The first night football game was held at Newcastle High School, where I went to school.  
—Pius A. Uzamere II '04



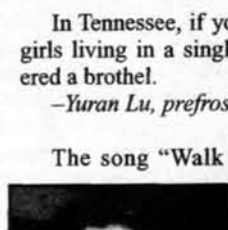
William Shakespeare bequeathed the second best bed of the household to his wife.  
—Priya Agrawal '04



Babies can breathe underwater before they are born.  
—Daniel G. Oreper '04



The ostrich is the only animal whose brain is smaller than its eye.  
—Melanie T. Moy '02



In Tennessee, if you have eight or more girls living in a single house, it is considered a brothel.  
—Yuran Lu, prefrush



The song "Walk this Way" by Aerosmith was actually inspired by, and in some instances remixed from, a song of the same name in the Mel Brooks movie Young Frankenstein.  
—Glenn E. Jensen, prefrush



The average weight of the members of the National Association for Fat Acceptance is 230 pounds.  
—Mark A. Rosen '02

Compiled by Brian Loux





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# Silbey Still to Research

Silbey, from Page 8

entists who do biology. It's inevitable.

Having said that, I think we are worried about some areas of science where the funding has not kept up, like condensed matter physics and certain areas of Chemistry and Earth and Planetary Sciences, and I don't know what is going to happen. Materials Science, especially nanoscience, is in good shape but old fashioned, fundamental condensed matter physics is not in good shape. But MIT faculty are very good at raising money and know where the money is.

TT: Is your work as a researcher and

teacher on hold?

RS: No, I still have a research group. I have three graduate students and three post docs, and I taught one third of 5.11(1) this last semester. I probably won't teach much next semester, but my research will continue. You know, I've done a lot of teaching, a lot of research in the last thirty, forty years, and I'm not going to stop now.

TT: Why do you think you were chosen for the position the Dean of Science?

RS: I think faculty and students trust me. I am not out to further my own interests. After seven, eight

months on the job, it was clear I could do it. So, why not?

*"The humanities library would have a larger number of square feet ..., which would be nice for the humanists. It's not a particularly wonderful library that they have there upstairs in 14."*

— Robert J. Silbey

## This Week in MIT History

On Thursday, January 18, 1973 MIT Campus Patrol officers joined Cambridge police and Federal narcotics agents to raid the Westgate apartment of Kenneth M. Levine, confiscating over 50 pounds of marijuana. Levine was a former MIT student whom the Institute was trying to remove from the dormitory. They had been unable to contact Levine to remove him from the premises, and assumed that he no longer resided there, using the space as a "base for his dealing." ["Westgate raid nets 60 lbs of marijuana," January 23, 1973]

Also found in his room were various paraphernalia associated with drug manufacture and use, but no "hard drugs." Levine entered MIT with the class of 1972 but had not attended classes since the previous spring and did not receive a degree from the Institute. Levine was not present during the raid, and a warrant for his arrest was issued the next day.

Drugs on campus were a concern at this time. Campus Patrol Captain James Olivieri reassured students that the raid did not "foreshadow future incursions of the Cambridge narcotics officers onto the MIT campus." The previous week *The Tech* ran an article discussing the drug scene on campus, stating that hard drugs were not popular. The article cited the discovery of a dormitory "garden" a month before as instigating discussion of drugs on campus. Students were divided on whether drug use (both of marijuana and other drugs) was up or down. What was concluded was that "the use of marijuana doesn't attract much attention on campus any more." ["Pot still most popular in MIT drug scene," January 16, 1973] The previous spring students held the "J. Edgar Hoover Memorial Dope Party" on the Great Court, at which drugs were blatantly used while Campus Patrol officers looked on blithely. Their main concern was with outsiders coming to the MIT campus to buy or sell drugs rather than drug use itself.

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# Construction Expands Athletic Facilities

Royer, from Page 1

only. We want to make sure we apply funding in a respectful way," Royer said.

For example, she said she will make decisions regarding the possible reintroduction of junior varsity teams only after examining how it affects both students and the faculty.

## Departmental evaluation planned

Royer hopes to conduct a comprehensive review of the entire Athletics Department and an examination of its future for the next five to

ten years, ranging from the intercollegiate program and the Physical Education requirement to staffing plans.

"Eventually, I envision a Physical Education program that touches students and especially the administration, because bringing them together is an important issue for the Institute," she said.

The Athletics program has recently undergone an expansion with regards to the renovation of the Du Pont Athletic center and the construction of the new Zesiger Athletic Center. Du Pont, with its brand new team rooms and renovat-

ed hallways, should be open to students in three weeks, while the Zesiger Center is projected to be finished by 2002.

## Royer excited about new position

As head of one of the largest athletics programs in the country, Royer is excited about the positive direction in which she hopes to move the expanding program.

"To think that twenty years of working in this department and caring for students could lead to this path and this opportunity gives me hope to continue making changes that are good for students," Royer

said.

According to Royer, her new job differs from her prior position because it is "more global" and involves more "fiscal education." As associate head, Royer had been involved in day-to-day activities, but now she will be more involved in planning to determine what is best for students.

The selection of Royer was preceded by an internal search conducted by the office of Dean for Student Life Larry G. Benedict after the former head of the department, Richard A. Hill, resigned on December 31.

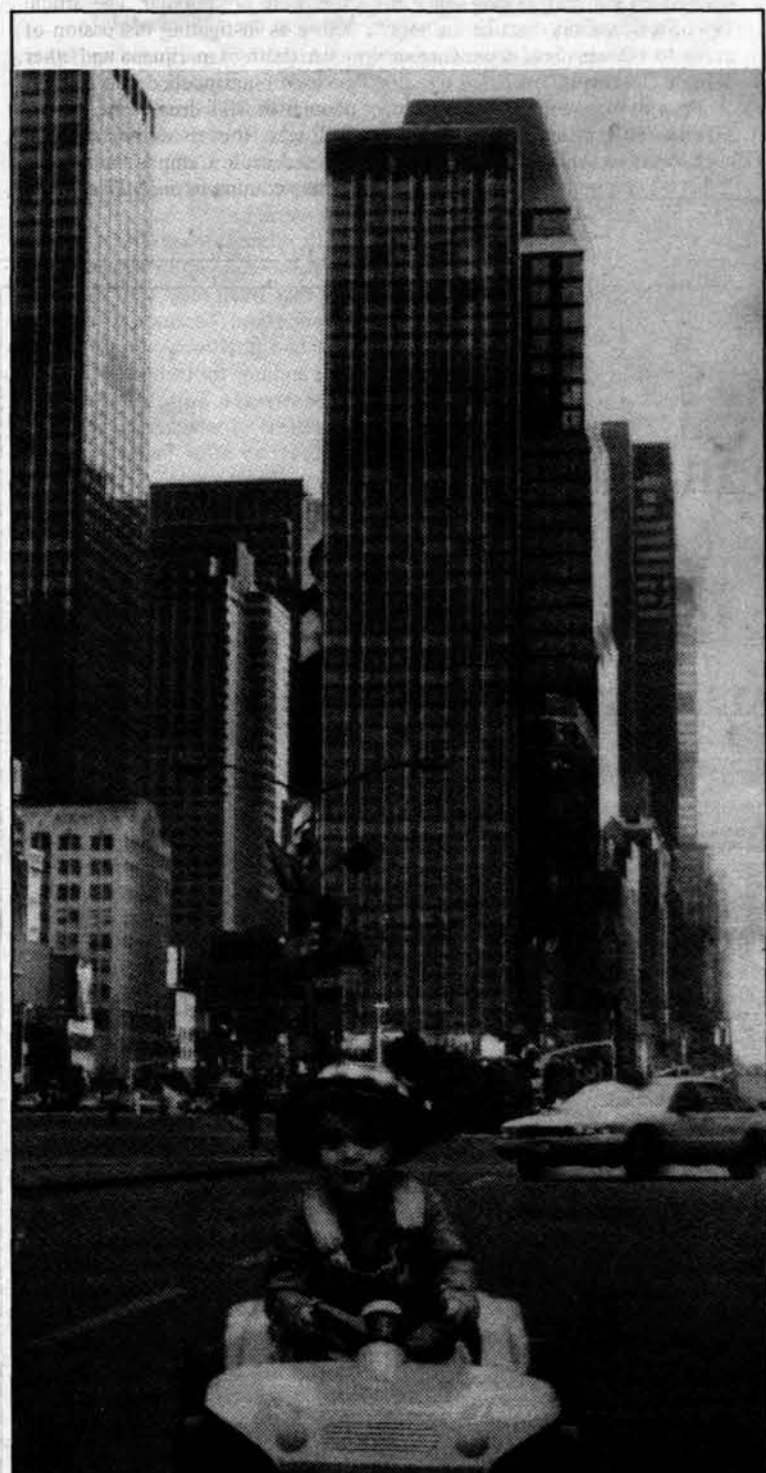
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# Vest Already Holds Washington Position on Science Committee

Vest, from Page 1

whether the job comes with any real power.

Furthermore, some believe Vest may want to remain at MIT in order to see the effects of his fund-raising and billion dollar building campaign. "President Vest has committed himself and invested himself in MIT's capital campaign," Shulman said. "He may want to see that come to fruition."

Institute Professor and former CIA director John Deutch '61 believes Vest "would be mad to accept the position of Science and Technology Adviser to the President. He is doing an important and outstanding job as President of MIT

and he has been an effective spokesperson for the research and academic community."

One of Vest's initial goals when he assumed the role of MIT president in 1990 was to set up an MIT Washington office, an office that Shulman said has "served the Institute and higher education to no end."

Former UA President and current MIT Corporation member Dedric A. Carter '98 notes that the opening of the Washington office in 1991 signified the start of an MIT move to become less dependent on defense funding.

Prior to the opening of the office, MIT had been heavily dependent on such defense funding for research.

Carter adds, "There was a need for better lobbying for science and technology issues. Through Vest's bold strokes in Washington, MIT has become more independent of government funding."

"For students, it may be hard to see the effects of Vest's lobbying on a day-to-day basis," Shulman notes. "Many aren't aware of the powerful role he plays in the direction of research and its funding. He is a chief spokesperson."

## Vest not the only candidate

Another top candidate for the position is chancellor of North Carolina State University Marye Anne Fox, who worked as vice president for research at the University of Texas at Austin during Bush's term as governor.

In related news, *The Chronicle of Higher Education* reported Monday that Bush may split the job of Science and Technology Adviser into two positions — one for science and one for technology.

Many are hopeful that Vest, regardless of whether he accepts or declines an offer, will continue to play a leading role in the direction of science research and its funding.

"Should he choose to serve in Washington in this or some other position I am sure that he would do an excellent job," Deutch says.

President Charles M. Vest in July 1998 signs an agreement with Boston-area colleges about alcohol policy.



## ENGINEERING INTERNSHIP PROGRAM ORIENTATION

*Tuesday, February 6, 2001, 4-5PM, Rm 6-120*

To all SOPHOMORES in the departments of **AERO/ASTRO, MATS. SCIENCE & ENGINEERING, MECHANICAL, NUCLEAR, and UNDESIGNATED**, learn to relate traditional on-campus academic programs with off-campus work experience in industry/government while earning joint SB/SM in engineering in a total of five years.

Also, there is an alternative program within the EIP framework - A Summer jobs program. Students will have a work assignment at a company site for one summer, involved with projects of interest to the company.

For more information, please contact--

Karl W. Reid '84  
or  
Susie McClain  
Rm 1-211 / Tel: 253-8051 / eipstaff@mit.edu  
<http://web.mit.edu/eip/www/>  
**SCHOOL OF ENGINEERING**

## Solution to Crossword

from page 14

S	N	N	I	S	W	V	T	S	E	N	A	L
D	H	O	T	G	O	D	H	O	N	V	T	J
N	V	T	N	E	J	V	N	I	C	O	N	I
E	C	E	W	A	N	V	G	D	E	O	T	O
W	I	T	H									
T	E	H	L	S	N	I	W	H	V	S	E	V
E	R	E	S	O	W	N	S	O	O	T	E	I
E	N	L	S	S	E	H	E	E	B	E	N	
E	N	V	N	I	S	E	N	H	S	V	W	
E	M	O	R	G	S	H	E	L	I	N	I	O
D	N	E	C	S	V	S	I	S	I	T	V	E
E	E	H	L	O	H	E	E	I	E	U	S	S
E	H	O	V									
N	M	V	T	S	J	T	O	G	W	I	E	B

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# MIT Washington Summer Internship Program

## Information Sessions

**Thursday, January 18**  
**Tuesday, January 23**  
**Friday, February 2**

All sessions are  
3:00 - 4:00 pm  
1-246

MIT Science & Technology - Focused Undergraduates

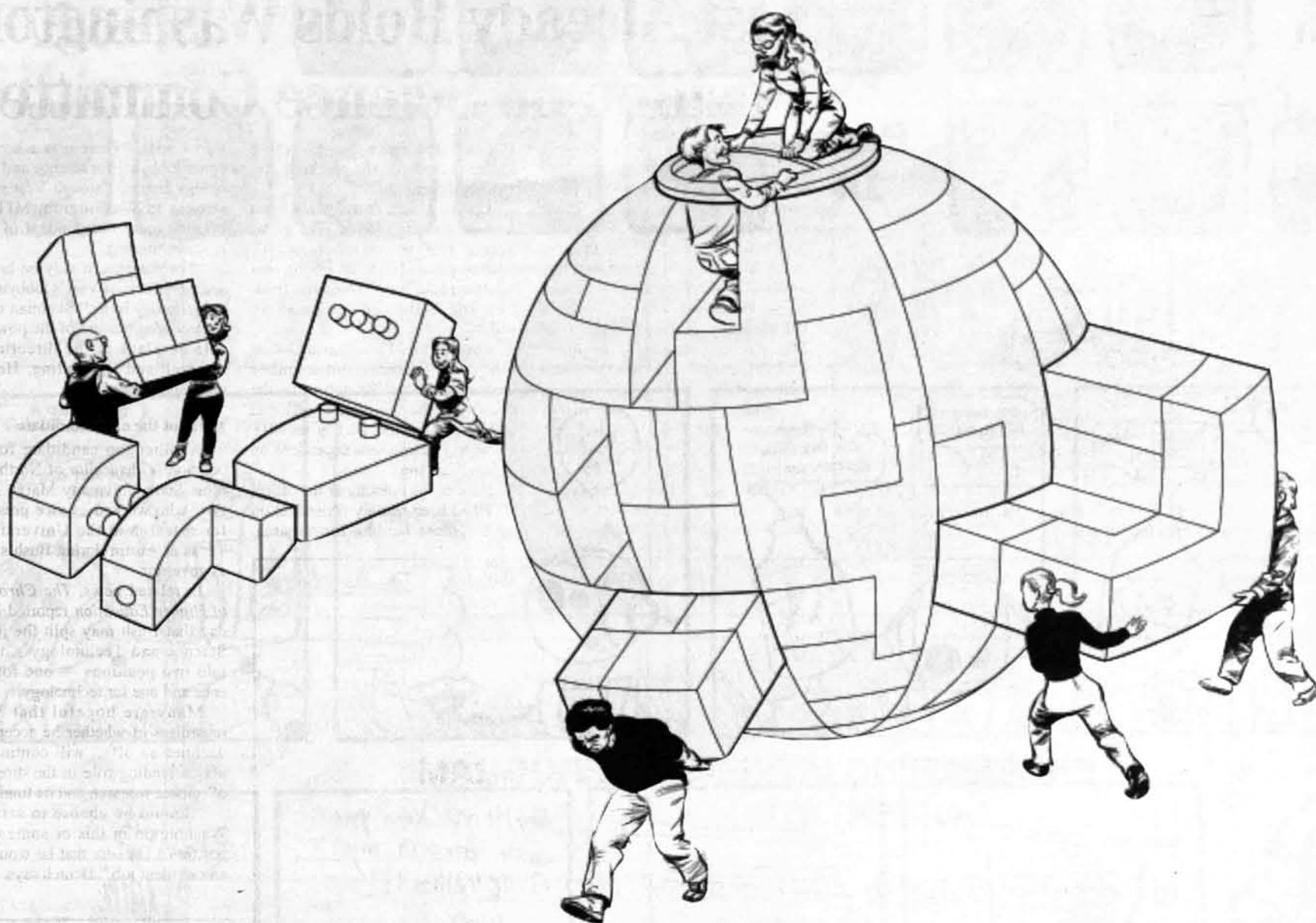
Apply your scientific and technical training to public policy issues. If you're selected to participate in this program you'll receive a paid policy internship in the offices of government agencies, the private sector and advocacy groups. Complementing the summer internship are a trip to DC during spring break and a 12 unit HASS seminar on policymaking that meets before and after the summer internship.

Past summer interns have worked in the White House Office of Science & Technology, the Office of the First Lady, the House of Representatives Science Committee, the US Department of Commerce, the US Department of Energy, the American Electronics Association, the American Association for the Advancement of Science, NASA, the American Association for World Health, the American Enterprise Institute, the American Public Health Association, the March of Dimes, the Center for Democracy and Technology, the Heritage Foundation, the Congressional Research Service, the Brookings Institution, the Economic Policy Institute, the National Academy of Sciences, the National Institutes of Health, the Climate Institute and the MIT Washington Office.

**DEADLINE FOR APPLICATIONS IS  
TUESDAY, FEBRUARY 9, 2001**

For more information call 253-3649, send email to [iguanatw@mit.edu](mailto:iguanatw@mit.edu), or check out our web site at <http://web.mit.edu/summerwash/www/>





# Solve Puzzles, Win Prizes.

Participate in the ITG Treasure Hunt, a series of challenging puzzles expressly designed for IAP! Form teams to compete for terrific geek toys AND check out ITG. Prizes include Palm PDA, Visor, ReplayTV, Night Vision Scope, Mindstorms, DVD, MP3, Personal Jukebox and more! Complete list on the web.

An informal party immediately follows the hunt. For contest rules, team signup, and other details:

**[www.mlitg.com/hunt](http://www.mlitg.com/hunt)**

Space is limited, so register today!

**1:00 pm, Wednesday January 31, 2001**  
**201 Broadway, 4th floor**



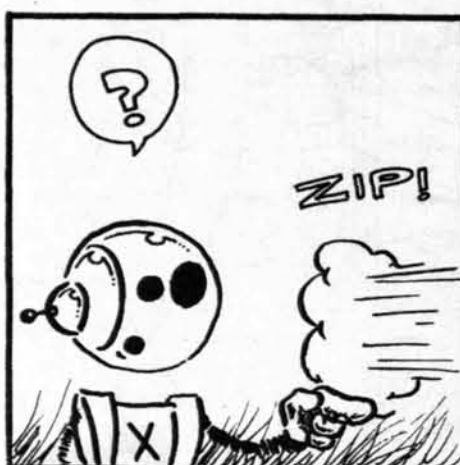
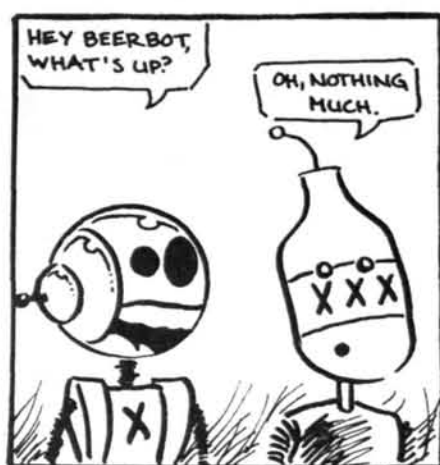
*A five minute  
walk from M.I.T.*



We combine Wall Street finance with the work environment of an Internet startup. Since ITG is a development group within Merrill Lynch, we aren't a future dot-com flameout.



## Botville



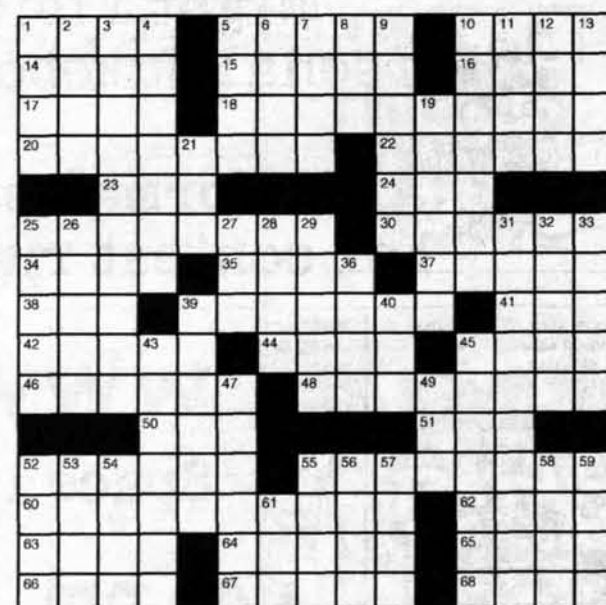
By Guan-Jong (John) Chen

**Tech  
Life**



## Crossword Puzzle

- ACROSS
- 1 Cup edge
  - 5 Drinks greedily
  - 10 Mown grass
  - 14 Moon goddess
  - 15 A point ahead
  - 16 Farmland unit
  - 17 Cold War foe
  - 18 Omnipresent overseer
  - 20 Down-to-earth types
  - 22 Climb up
  - 23 Can material
  - 24 Govt. med. research agcy.
  - 25 Helpful hints
  - 30 Agriculturist
  - 34 Amo, \_\_, amat...
  - 35 Nice streets?
  - 37 Asinine
  - 38 Bird's bill
  - 39 Lose evolutionary ground
  - 41 Bath place
  - 42 Ice house
  - 44 Japanese wrestling
  - 45 Withered
  - 46 Roman autocrat
  - 48 Troubadour
  - 50 Bikini top
  - 51 One of LBJ's beagles
  - 52 Did it alone
  - 55 Jovian moon
  - 60 Excessive
  - 62 \_\_ Bator, Mongolia
  - 63 Custard tart
  - 64 Burns film
  - 65 "The \_\_ of the Rings"
  - 66 Newcastle's river
  - 67 Bangs shut
  - 68 Hostelries
  - DOWN
  - 1 Make less clear
  - 2 Deceptive maneuver
  - 3 Never full
  - 4 Florida baseball team
  - 5 Lots and lots
  - 6 One condo
  - 7 Stool parts
  - 8 Andy Capp's hangout
  - 9 Leapt
  - 10 Grab hold tightly
  - 11 Yearning
  - 12 Small songbird
  - 13 Dweeb
  - 19 Husband of Isis
  - 21 \$ from a bank
  - 25 Word with attack or button
  - 26 Sappho's last letter
  - 27 Poetic before
  - 28 Carpets
  - 29 Blood constituent
  - 31 Cantaloupe cousin
  - 32 Accustom
  - 33 Confederate soldier
  - 36 18-wheeler
  - 39 Bellowed
  - 40 Family member
  - 43 "Luther" dramatist
  - 45 Incentives
  - 47 AM/FM units
  - 49 Timid
  - 52 Process flour
  - 53 Sole
  - 54 Bank deal
  - 55 Loopy
  - 56 Small particle
  - 57 Beatty and Rorem
  - 58 Mild oath
  - 59 Means justifiers?
  - 61 Org. of Lightning and Flames



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Solution, page 12

## Need Something to Do?

EVERYTHING YOU EVER WANTED TO KNOW ABOUT SMELL BUT WERE AFRAID TO ASK

Kitchen Chemistry

Time Travel: Philosophy and Physics: When Mischevious Idiots Travel in Time

"HOW THE HECK DID THEY EVER ADMIT ME?" OR THE SECRETS OF ADMISSIONS REVEALED

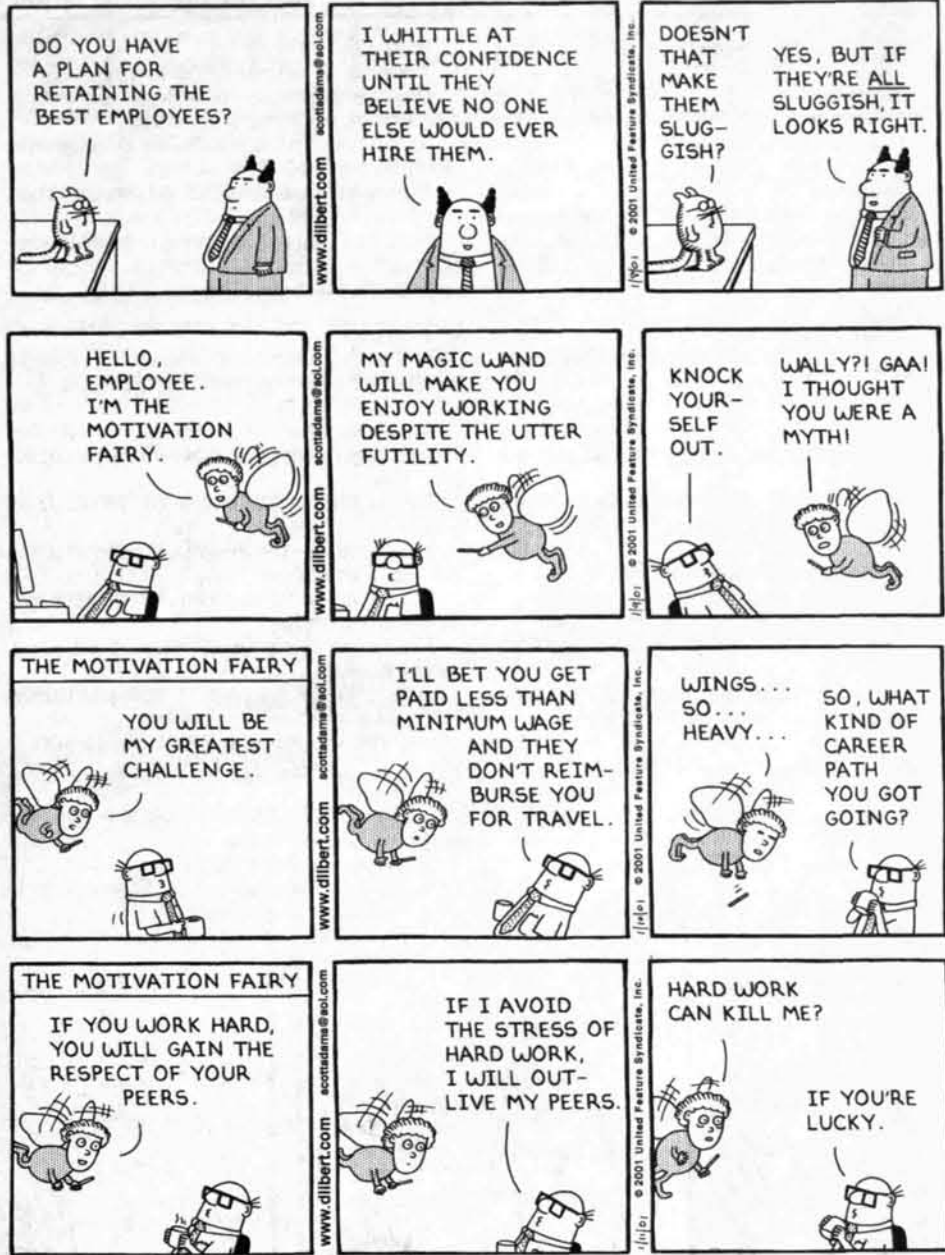
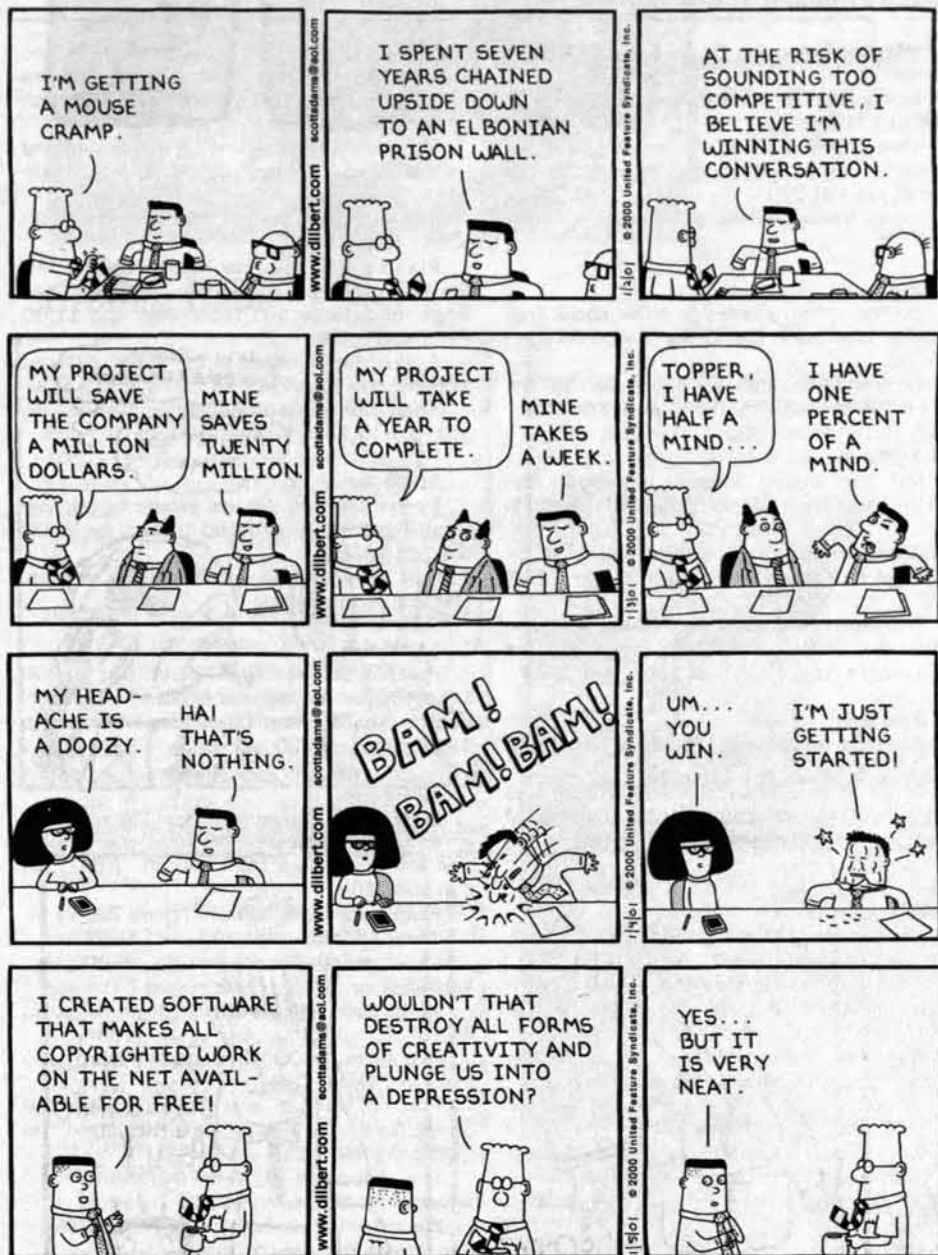
The Theory and Practice of Good Cheese: Italy and France

or any of the many other activities in our IAP Guide!



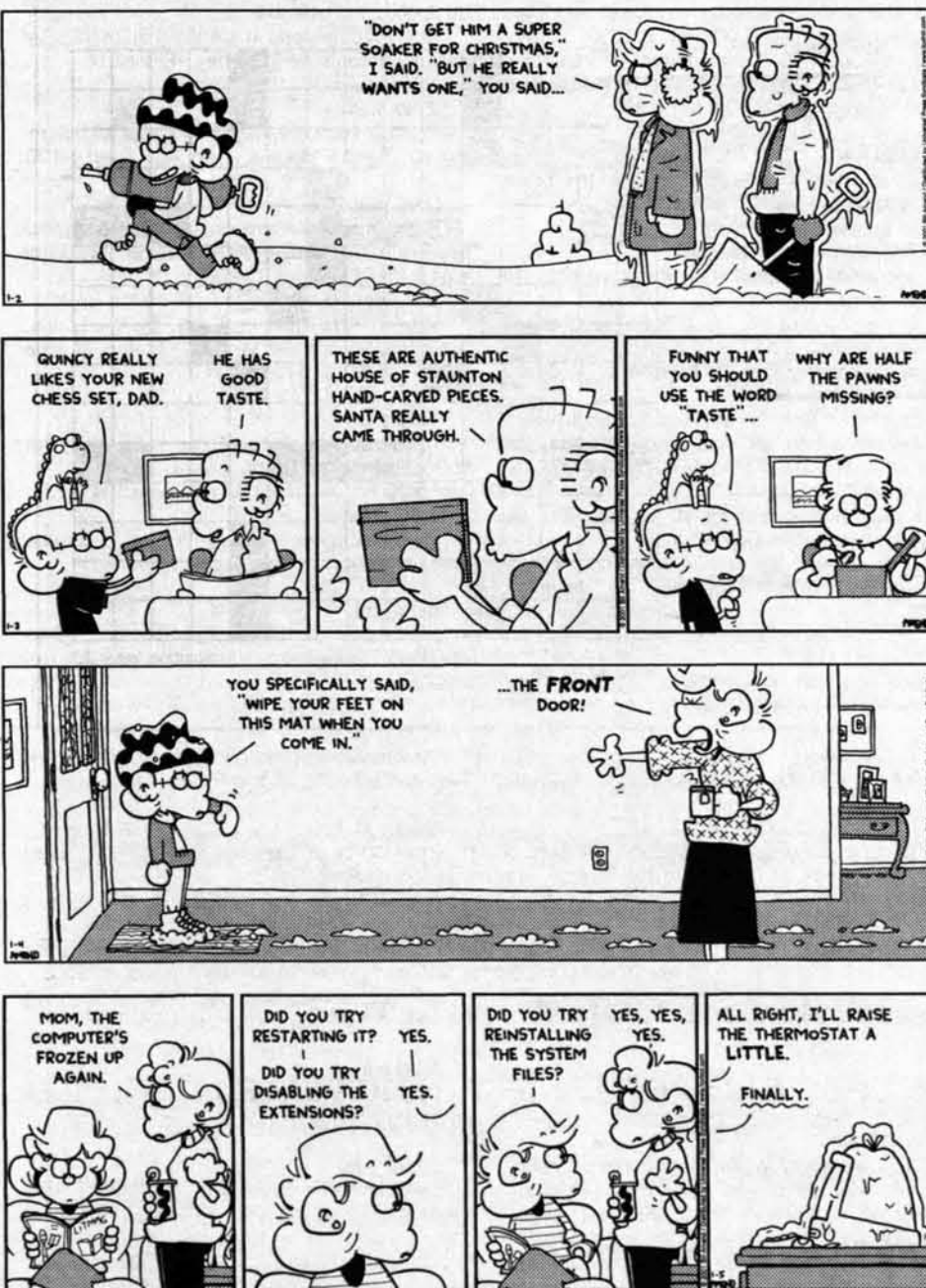
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FoxTrot

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# IAP Guide

Visit the IAP Guide online at <http://web.mit.edu/iap/>

Wednesday, Jan. 17

**8:00 a.m.**  
Public Issues and Conflict Management (to 05:00 p.m.) MITSG, E38-300

**10:00 a.m.**  
Individual Consultations at the Writing and Communication Center (to 4:00 p.m.) 14N-317  
Product Development in the Sporting Goods Industry: L.L. Bean (to 11:00 a.m.) 33-114  
Solar Car Restoration Project: Aztec (to 05:00 p.m.) 7 Emily St.  
Lab Tour of the MIT Research Reactor (to 11:30 a.m.) NW12-116

**10:30 a.m.**  
Analyzing Popular Diets (to 12:00 p.m.) 4-364  
Everything You Always Wanted To Know About Smell But Were Afraid To Ask (to 1:00 p.m.) E15-335  
Women in Midlife (to 12:00 p.m.) 4-237

**11:00 a.m.**  
IAP Percussion Ensemble Workshop (to 1:30 p.m.) TBA  
New Technologies for Biomedical Research: Microscopy II (to 12:00 p.m.) 68-181

**12:00 p.m.**  
2001 Earth, Atmospheric, and Planetary Sciences Lecture Series: Observing the Oceans with Alvin (to 01:15 p.m.) 54-915  
Athena Minicourse: Matlab (to 01:00 p.m.) 3-343  
Build a Solar Car (to 5:00 p.m.) 7 Emily St  
Employment Regulations for F-1 Students (to 1:30 p.m.) 4-270  
Excel Quick Start (to 1:00 p.m.) N42 Demo Center  
Improve Your Technique (to 9:00 p.m.) W20-451  
Toxicology Seminar (to 1:00 p.m.) 56-614

**12:15 p.m.**  
The Feynman Films: "The Great Conservation Principles" (to 01:15 p.m.) 6-120

**12:30 p.m.**  
Diabetes (to 2:00 p.m.) 4-364  
Seeing Spots and Floaters? (to 2:00 p.m.) 4-237  
The Best Way to Elect the President: The Mathematics of Individual Voting Power and the Vices of Raw Popular Voting in Large Electorates. (to 2:00 p.m.) 37-212

**1:00 p.m.**  
General GRE Practice Exam (to 05:00 p.m.) 1-190  
Kitchen Chemistry (to 04:00 p.m.) 24-612  
Life After MIT: Taking the Next Step in Non-academic Career Paths: Patent Law and Management Consulting (to 03:00 p.m.) 68-181  
Mars Society - Mars Base Seminars: Design a Mars Base (to 03:00 p.m.) 33-319  
Pleasures of Poetry: Readings and Discussion of Memorable Poems: Pleasures of Poetry (to 02:00 p.m.) 14E-304

**01:30 p.m.**  
Physics Lectures for the General MIT Community: Fortunes of Physicists Who Go Astray (to 02:30 p.m.) 6-120  
Running Linux on a Mac (to 03:30 p.m.) N42 Demo Center

**2:00 p.m.**  
CDIO Series of Visits to Aerospace Designers, Manufacturers, and Operators: Draper Laboratory Tour (to 04:00 p.m.) 555 Tech Square,  
CopyTech: Tour the "NO PROBLEM ZONE" (to 4:30 p.m.) 11-004  
Draper Lab Tour (to 4:00 p.m.) 555 Tech Square  
MIT Unwired (to 3:00 p.m.) 2-105  
Red Sox Nation-Building: The Seminar (to 4:00 p.m.) 4-153  
Time Travel: Philosophy and Physics: When Mischievous Idiots Travel in Time (to 4:00 a.m.) 37-212

**3:00 p.m.**  
An MIT Solution to the Social Security Crisis (to 04:30 p.m.) E51-372  
Beaded Jewelry: Layering (to 04:00 p.m.) tba  
Nature in Technology (to 06:00 p.m.) E15-135 (1st mtg)

**4:00 p.m.**  
Installing Linux-Athena (to 07:00 p.m.) N42 Demo Center  
Vegetarian Cooking Classes: Vegetarian Cooking for Company (Location unavailable)

**5:00 p.m.**  
Revolutionary Girl Utena Anime Series (to 07:00 p.m.) 2-105

**5:30 p.m.**  
Living the Legacy of Martin Luther King, Jr.: Exploring the Past and Changing the Future: TBA (to 07:30 p.m.) 2-151

**6:00 p.m.**  
A History of Logic (to 07:30 p.m.) 8-205  
Crash and Burn Courses: Crash and Burn C Programming (to 09:00 p.m.) 4-370  
Introduction to UNIX Software Development (to 08:00 p.m.) 4-237  
Money Management for MIT Students (to 07:30 p.m.) 4-149  
What Can I Do with a Degree in Management Science?: A Panel Discussion for Course 15 Undergraduates (to 08:00 p.m.) 3-270

**6:30 p.m.**  
MIT Outing Club Winter School: Technical and Above Treeline (to 09:30 p.m.) 35-225

**7:00 p.m.**  
Astrology Readings/Fundamentals (to 08:00 p.m.) TBA  
Athena Minicourse: Matlab (to 08:00 p.m.) 3-343  
Introduction to Tae Kwon Do (to 09:00 p.m.) 2nd floor DuPont Gym  
Kokikai Aikido for Beginners (to 08:30 p.m.) DuPont Wrestling Rm.  
MIT Kendo Demonstration (to 09:00 p.m.) DuPont Court 2  
MITERS Open House (to 10:00 p.m.) N52-115  
Medieval Astronomy (to 08:30 p.m.) 2-105

**7:30 p.m.**  
Course MIX: MIX.002 Gear Kits and Electronics (to 09:30 p.m.) 6-120  
Discovering Mars (to 09:00 p.m.) 4-231  
Israeli Folk Dancing for IAP: Special Beginner's Session (Location unavailable)  
Learn to Play Ultimate Frisbee (to 10:30 p.m.) Johnson Athletic Cen  
Renaissance Dancing (to 09:30 p.m.) 31-161

**8:00 p.m.**  
Athena Minicourse: Maple (to 09:00 p.m.) 3-343  
Movie Night: "Keeping the Faith" (to 10:00 p.m.) 1-135

**9:00 p.m.**  
Danzan Ryu Jujitsu (to 10:30 p.m.) Wrestling Rm, Dupont

**Thursday, Jan. 18**

**9:00 a.m.**  
Portraiture - Two Day Seminar (to 02:00 p.m.) W20-429  
Preparing Competetive Research Proposals (to 04:00 p.m.) W89-315

**10:00 a.m.**  
A Photographic Odyssey: Architecture & Space 2001 (to 12:00 p.m.) 7-431 AVT  
Individual Consultations at the Writing and Communication Center (to 04:00 p.m.) 14N-317

**10:30 a.m.**  
Anxiety (to 12:00 p.m.) 4-237  
Applying to Medical School (to 12:00 p.m.) 4-364  
Everything You Always Wanted To Know About Smell But Were Afraid To Ask (to 01:00 p.m.) E15-335

**12:00 p.m.**  
Athena Minicourse: Maple (to 01:00 p.m.) 3-343  
BioMatrix Launch (to 02:00 p.m.) E25-117  
Improve Your Technique (to 09:00 p.m.) W20-451  
Planning MIT's New Stata Child Care Center (to 01:30 p.m.) 16-151  
The Practice of Operations Research and Management Science: Making Optimal Decisions (to 01:00 p.m.) E40-106  
Tour of MIT's Data Warehouse (to 01:30 p.m.) 1-190  
Windows 2000 Quick Start (to 01:00 p.m.) N42 Demo Center

**12:30 p.m.**  
Dining In and Out... Healthfully!: Part 1 (to 02:00 p.m.) 4-237  
Yoga at Your Desk (to 02:00 p.m.) 4-364

**1:00 p.m.**  
Emotions 101 (to 03:00 p.m.) 4-145  
Life After MIT: Taking the Next Step in Academic Research: Applying for a Junior Faculty Position (to 02:00 p.m.) Whitehead Auditorium  
Pleasures of Poetry: Readings and Discussion of Memorable Poems: Pleasures of Poetry (to 02:00 p.m.) 14E-304

**1:30 p.m.**  
"How The Heck Did They Ever Admit Me?" or, The Mysteries of Admissions Revealed (to 03:00 p.m.) 10-100

**2:00 p.m.**  
How to Build a Beowulf (to 03:00 p.m.) 66-144

InDesign Demo (to 03:00 p.m.) N42 Demo Center  
Introduction to Surface Analysis (to 05:00 p.m.) 13-2137  
Time Travel: Philosophy and Physics: The Gödel Universe, A Cosmic Time Machine (to 04:00 p.m.) 37-212  
Using Adobe Photoshop (to 03:30 p.m.) E56-270

**2:30 p.m.**  
Everything You Wanted to Know about Engineering Information Resources (to 04:00 p.m.) 10-500  
Wine and Economics (or How to Pick the Perfect Bottle of Wine) (to 04:00 p.m.) E51-372

**3:00 p.m.**  
MIT Washington Summer Internship Program. Information Sessions (to 04:00 p.m.) 1-246  
Research Opportunities at Wellman Laboratories of Photomedicine (to 05:00 p.m.) E25-117  
The Japan Science & Technology/MIT Mind Articulation Project: What Is It and What Have We Learned From It? (to 05:00 p.m.) E38-714

**3:30 p.m.**  
Copyright Issues and MIT Policy (to 05:00 p.m.) 1-190  
Spark Forum: Rediscover the Wonder and Curiosity That Led You to MIT!: Cleanup of Contaminated Groundwater (to 05:00 p.m.) 4-237

**4:00 p.m.**  
Concentrating, Minorng, or Majoring in 21L Literature (to 06:00 p.m.) 14E-304  
Opportunities Outside the Laboratory for PhDs: Intellectual Property (to 06:00 p.m.) 2-105  
Vegetarian Cooking Classes: Gourmet Vegetarian Cooking (Location unavailable)

**5:00 p.m.**  
Crossroads of Biotechnology Lecture Series: Protein Folding Errors and Human Disease (to 06:00 p.m.) 4-370

**5:30 p.m.**  
Living the Legacy of Martin Luther King, Jr.: Exploring the Past and Changing the Future: TBA (to 07:30 p.m.) 2-151  
The Theory and Practice of Good Cheese: Italy and France (to 08:30 p.m.) E38-714

**6:00 p.m.**  
A Pre-Calculus Class: Infinitesimal Methods before Newton (to 08:00 p.m.) 1-134  
Progress and Decline: Issues in Contemporary Marxism: Necessity and Decline in the Roman Empire (to 08:00 p.m.) 8-105  
Socio-Economic Development: A Grassroots Perspective: Towards Holistic Development: Case Studies (to 08:00 p.m.) 4-237

**6:30 p.m.**  
Introduction to Change Ringing in the Tower (to 09:00 p.m.) meet in lobby 7

**7:00 p.m.**  
Astrology Readings/Fundamentals (to 08:00 p.m.) TBA  
Athena Minicourse: Math Software Overview (to 08:00 p.m.) 3-343  
Hebrew Calligraphy for Beginners (to 09:00 p.m.) W-11 Main Dining Rm.  
Integration Bee (to 09:00 p.m.) 56-114  
Interpersonal Relationships: The Good, the Bad, and the Ugly: Where Is the Love? (to 09:00 p.m.) 2-190  
Korean Karate: The Art of Tae Kwon Do (to 09:00 p.m.) DuPont Dance Studio  
Lecture Series on Gordon B. Hinkley, a Modern-Day Prophet (to 09:00 p.m.) #4 Longfellow Park  
MIT Community Players Play Readings (to 10:00 p.m.) TBA  
Socialist Party Open House at MIT: A Party for the Party (to 08:30 p.m.) 66-319

**7:15 p.m.**  
Judo (to 09:00 p.m.) DuPont: Wrestling Rm

**7:30 p.m.**  
Religion, Science, and Society: Religion: A Force for Peace or Conflict in the World? (to 09:00 p.m.) 35-225

**8:00 p.m.**  
Athena Minicourse: XESS (to 09:00 p.m.) 3-343

**Friday, Jan. 19**

**10:00 a.m.**  
CDIO Series of Visits to Aerospace Designers, Manufacturers, and Operators: Logan Airport Tower (2 Visits) (to 12:00 p.m.) Logan Airport  
CDIO Series of Visits to Aerospace Design-

ers, Manufacturers, and Operators: Come See the Operational Control Center for the Chandra X-ray Observatory! (2 Visits) (to 11:00 a.m.) Chandra Observatory  
Individual Consultations at the Writing and Communication Center (to 04:00 p.m.) 14N-317  
Introduction to SciFinder Scholar (to 12:00 p.m.) 14S-0645  
Plasma Science and Fusion Center IAP Series: Confining a Fusion Fire - A Grand Challenge for Science and Technology (to 11:00 a.m.) NW17-218  
Product Development in the Sporting Goods Industry: New Balance (to 11:00 a.m.) 33-419  
Solar Car Restoration Project: Aztec (to 5:00 p.m.) 7 Emily St. Lab

**10:30 a.m.**  
Everything You Always Wanted To Know About Smell But Were Afraid To Ask (to 01:00 p.m.) E15-335  
Holy Hologram! An Introduction to Holography (Location unavailable)

**11:00 a.m.**  
Plasma Science and Fusion Center IAP Series: Nature's Magnetic Bottle: An Introduction to the Levitated Dipole Experiment (to 12:00 p.m.) NW17-218

**12:00 p.m.**  
2001 Earth, Atmospheric, and Planetary Sciences Lecture Series: Global Atmospheric Pollution Measurements from Aircraft (to 01:15 p.m.) 54-915  
Build a Solar Car (to 05:00 p.m.) 7 Emily St  
Cheap Uniques (to 01:00 p.m.) 5-231  
Improve Your Technique (to 09:00 p.m.) W20-451  
J-1 Student Visa Workshop (to 01:30 p.m.) 4-270  
Orientation to Computing at MIT (to 01:30 p.m.) N42 Demo Center  
Plasma Science and Fusion Center IAP Series: Tour of Levitated Dipole Experiment (to 1:00 p.m.) NW17-218  
The Adoption Option: Questions and Answers (to 1:30 p.m.) 16-151  
Want To Get Involved? How Public Service Can Benefit You! (to 01:00 p.m.) 4-149

**12:15 p.m.**  
The Feynman Films: "Symmetry in Physical Law" (to 1:15 p.m.) 6-120

**1:00 p.m.**  
Entrepreneurship Forum (to 5:00 p.m.) Wong Auditorium  
Pleasures of Poetry: Readings and Discussion of Memorable Poems: Pleasures of Poetry (to 2:00 p.m.) 14E-304  
The Election and the Prospect for Social Security Reform (to 2:30 p.m.) E51-361

**1:30 p.m.**  
Physics Lectures for the General MIT Community: Planets, Planets... (to 2:30 p.m.) 6-120

**2:00 p.m.**  
Highlights of Aeronautics and Astronautics: Adventures of an Aero Engineer in the Real World (to 3:00 p.m.) 33-206  
Life After Course VI (to 04:00 p.m.) 34-401  
Time Travel: Philosophy and Physics: Loops, Branches, and Parallel Worlds: Varieties of Time Travel (to 04:00 p.m.) 37-212

**3:00 p.m.**  
Opportunities Outside the Laboratory for PhDs: Finance (to 05:00 p.m.) 6-120

**4:00 p.m.**  
Pick-Up Theatre: Works-In-Progress and Information Session (to 06:00 p.m.) TBA

**5:15 p.m.**  
Symposium on Values: The Keys to a Meaningful Life: Values in Business (to 06:30 p.m.) MIT Chapel

**6:00 p.m.**  
Historic Background and Context of the New Testament (to 07:30 p.m.) W20 West Lounge

**7:00 p.m.**  
Introduction to Tae Kwon Do (to 09:00 p.m.) 2nd floor DuPont Gym  
Kokikai Aikido for Beginners (to 08:30 p.m.) DuPont Wrestling Rm.  
LSC IAP Movie Schedule: 10 Things I Hate About You (to 09:00 p.m.) MIT Room 26-100  
MIT Anime Club Showings (to 12:00 p.m.) 6-120

**8:30 p.m.**  
Potluck Performance and Charity Election (to 11:30 p.m.) N52-115

**10:00 p.m.**  
LSC IAP Movie Schedule: 10 Things I Hate About You (to 12:00 a.m.) MIT Room 26-100



# THE ARTS

## FILM REVIEW ★★★½



### Groovy, Baby

By Vladimir Zelevinsky

STAFF WRITER

Directed by Mark Dindal

Written by Roger Allers, Mark Dindal, Matthew Jacobs, David Reynolds, Chris Williams

With the voices of David Spade, John Goodman, Eartha Kitt, Patrick Warburton

The best stimulus in art is the presence of limitations. *The Emperor's New Groove*, rapidly cobbled together by Disney when their South American romantic animated drama *Kingdom In the Sun* hit a creative dead end, would seem to be a recipe for disaster: virtually thought up on the fly, animated with noticeably less attention to background and movement than the usual Disney movie, with six songs (by Sting) cut.

Instead, in the last-minute effort to save the movie, the animators, given a seemingly free reign, created a singular thing: a Disney animated movie that is first and foremost a comedy, a film that seems to have only one aim — to make the audience laugh — as opposed to other Disney efforts, which seem to have as their primary aims teaching important lessons, wowing the audience with great animation, and, of course, selling merchandise and soundtracks.

None of the above is present in *New Groove*. No pontification, no expensive computer-generated visuals, (almost) no songs, and pretty much no point *per se*. Nobody learns an important lesson (the only character arc is that of the protagonist stopped from being a slimeball), there is no love interest with big breasts, and no sugary-sweet love ballad to win the Best Song Oscar in March. There is, pretty much, only

one thing: a breathlessly paced barrage of gags, most of them in either Warner 'toon style or Jay Ward postmodernistic self-reference. Just about all of them hit the bull's

eye, making *The Emperor's New Groove* easily the best Disney full-length animated feature since *The Lion King*.

The story is rather simple, the movie being essentially one long chase sequence. The arrogant emperor Kuzco (voiced by David Spade) is accidentally (don't ask) turned into a llama by his evil advisor Yzma (Eartha Kitt, clearly having a lot of fun) and her bumbling henchman Kronk (Patrick Warburton, stealing the entire show). Then Kuzco has to rely on the local peasant Pacha (John Goodman) to get back his empire and his human shape.

Boy, is this Kuzco guy unlikable — easily the least pleasant Disney protagonist ever, and easily the one with the most sense of humor. Same goes for bad guys; by the way, the fact that every character in *New Groove* — good or bad, lead or supporting — also has a sense of humor is remarkably refreshing. Only Goodman's Pacha is a bit too

much of a good man; both his wife and kids, with about three minutes of screen time, have more personality.

As a result, the pacing is aces: with no songs or fake "character moments" to get in the way, the only thing that is left is the gags, and they come fast and furious. This is a movie where, in the middle of an action sequence, one person stops and asks himself to be excused, because, you see, he was just turned into a cow. This is the movie which makes fun of everyone and everything, including itself.

Since it is utterly weightless, it evaporates from memory rather fast — on the other hand, I expect to find it as funny on the second viewing. But a good deal of the lines are highly quotable. Your faithful servant can still be occasionally discovered muttering darkly, "Bewaaaaare of the groooooove!" and moaning mysteriously.



DISNEY ENTERPRISES, INC.

The Emperor (voiced by David Spade) indicates who is the most important person in his "perfect world" in Disney's new animated film *The Emperor's New Groove*.

## FILM REVIEW ★★★★★

### Traffic

#### Good To the Last Snort

By Devdoot Majumdar

STAFF WRITER

Directed by Stephen Soderbergh

Written by Stephen Gaghan

Starring Michael Douglas, Don Cheadle, Benicio Del Toro, Luis Guzman, Dennis Quaid, and Catherine Zeta-Jones

Rated R

Faces of familiarity — the National Merit finalist, the Beverly Hills wife completely unaware of her husband's business, and, of course, Orrin Hatch — find themselves entrenched in the dynamics of the drug trade in director Stephen Soderbergh's latest film, *Traffic*. It's a nearly flawless film, worth seeing for its acting, for its plot, for its transcendence of the "drug movie" genre, and especially for the true didactic experience for those sheltered minions who don't know what freebasing is.

Independent film it tries to be, and aside from its \$46 million budget and big name actors, an independent film it is, as far as I'm concerned. Spirited and unabashed, it presents the drug trade as the multifaceted abomination that it is, not overtly judging but rather coaxing the viewer to judge for himself.

The ingenious screenplay is arguably the most memorable aspect of *Traffic*. Ripped from a 1989 UK miniseries called *Traffik* (from Simon Moore, the one who brought us such NBC thrillers as *The 10th Kingdom* and *Gulliver's Travels*), the script was made into a movie by screenwriter Stephen Gaghan (behind *The Practice* and *NYPD Blue*).

First we have Javier Rodriguez Rodriguez (Benicio Del Toro), a keen, jaded cop in Mexico, ideologically alert but nonetheless smart enough not to engender great passion toward fixing corruption and fighting drugs.

Second, we have two very passionate San Diego drug enforcement agents, Montel (Don Cheadle) and Ray (Luis Guzman). By the way, these guys never meet Javier. They bust a tiny drug dealer in San Diego, who, pretending to be a fisherman, is aghast once unmasked at their "coercion." "Now that's a big word for a fisherman," they reply, as

they do throughout the film in a series of wisecracks that serve to break up the frighteningly somber tones that *Traffic* often takes.

Thirdly, there's Catherine Zeta Jones as Helena Ayala, the complacent La Jolla rich wife, likening her son's golf skills to the future Tiger Woods in a fitfully superficial conversation with a group of Prada-toting rich wives. Blissfully unaware that her husband is the premier dealer of cocaine in the US from a Mexican cartel (queue Javier) and the boss of the tiny San Diego dealer (queue Montel and Ray), her world is shattered when her husband's identity is revealed by the San Diego dealer and he is summarily arrested. Robbed of her pride and her Prada, Helena becomes a desperate woman, emotionally hell-bent on becoming rich once more the Machiavellian way.

And finally, at the superstructure of it all, the new "thank you so much for sharing" US Drug Enforcement Agency (DEA) head is named Robert Wakefield (Michael Douglas), complete with a former hippie wife and druggie daughter, Caroline (Erika Christensen).

Douglas does an excellent job, unsurprisingly, as the head of the DEA, however unfaithful it might be to reality and however much semblance it might bear to *The West Wing*. Nevertheless, he is portrayed as a man rivaling the passion of Zeta Jones as Helena inasmuch as he wants to end the drug problem. (As a side note, he even has a scene with a bunch of senators upon his nomination, in which Soderbergh got Senators Orrin Hatch and Barbara Boxer to attend.)

So there you have *Traffic*. I've given you the introduction to the characters, and the rest of movie is essentially one of those reality TV shows that takes each through his own trials and tribulations in the most fascinating way. Each has his own integral role in the drug trade or stoppage thereof, the motivations and mind states of each so perfectly clear to the viewer that one must applaud the writers, actors, and director alike.

As I watched this movie, I was in the enviable position of having a pencil in my hand — enviable because of the many, many poignant quotations. The DEA head's drugged-up daughter, Caroline, says at one point, "For someone my age, it's a lot easier to get drugs than it is to get alcohol." That almost tops the line that her drug dealer-boyfriend says: "I want to have sex and then do a hit right as we're both coming." Another quite enjoyable quotation comes from the San Diego drug dealer in his assertion, "In Mexico, law enforcement is an entrepreneurial activity." All this only goes to show how brilliantly *Traf-*

*fic* is written, leaving the viewer with a slight ironic aftertaste.

The portrayal of this mélange of characters is simply captivating. The frustration and acuity that Zeta Jones brings to the role of Helena is rare and makes for suspenseful moments of her rage. This is essentially a movie about rage — each character is taken to his breaking point. And Michael Douglas is no exception upon realizing that his daughter has become a crack whore (except it's cocaine). Douglas makes each of Robert Wakefield's emotions palpable to his audience, each wrinkle on his little forehead telling so much.

As Caroline Wakefield, Christensen's character is brought to the level of tense familiarity, as she plays the pugnacious, profoundly misguided social commentator (everything to her is "surface bullshit"). She is "third in her class," a National Merit finalist, a thespian, and not surprisingly, a big time drug addict.

Undeniably the best performance in *Traffic* was that of Benicio del Toro as Javier, the wary Mexican cop. The director and writers took a considerable risk (albeit a worthwhile one) in making a full third of the movie Spanish, with English subtitles. Regardless of language, del Toro's stoic outlook and heavy countenances completed Javier. Del Toro memorably portrayed the character's wrangling between his own hope for a drug-free Mexico and the money and life that come with corruption.

However, any review of *Traffic* is incomplete without going into the cinematography. Director Soderbergh took it upon himself to do the work himself. In short, his camera direction parallels his evidently peerless direction of actors. No viewer can leave this movie without marveling at Soderbergh's cinematography. Opening in Mexico, the film takes on a dusty yellow tint, as in some older westerns and cheaply made movies. Moving to the drug bust in San Diego, the film quality goes up a rung to *Cops* level. Finally, at the scene with the DEA heads, we see soap opera quality film, flawless and sharp. In fact, Soderbergh, aside from going for these specialized "looks," uses handheld cameras in all scenes except for four, extending the "docudrama" effect of the movie.

*Traffic* is a movie for most audiences. Though it might not be for the "soft rock with oldies" crowd, it's definitely for everyone else — be they jaded, drug-addicted, or utterly naive. Leaving any viewer piqued, drained, and captivated to the end for so many reasons, *Traffic* is novel filmmaking at its best and a landmark in Soderbergh's career.



## FILM REVIEW ★★

# Cast Away

*Stay Away*

By Vladimir Zelevinsky

STAFF WRITER

Directed by Robert Zemeckis  
Written by William Broyles Jr.  
With Tom Hanks, Helen Hunt

**T**he two-star rating notwithstanding, there is a lot to admire in *Cast Away*: artistic integrity, refusal to talk down to the audience, obvious technical skill, and undeniable physical courage. Despite all of this, however, it remains an engrossing but hardly pleasant experience, a film with a peculiarly unwieldy structure, and little beyond a rather repetitive catalogue of human miseries.

The worst thing is that *Cast Away* was just so close to being a great movie. Its middle section, an hour and a half that it spends with Chuck Nolan (Tom Hanks) on the desert island in South Pacific, is almost daringly experimental. There is only one actor, and he is in just about every shot. There is no musical score — none, whatsoever — with only pulsating surf providing background sounds. There are almost no words, other than Chuck's occasional mutterings toward himself. All in all, this is as close to a silent movie to come out in years, if not decades. It is also quite clever: screenwriter William Broyles Jr. co-wrote "Apollo 13," and there is a similar spirit of "make this fit into the hole made for this using this."

If I saw just this section alone, I would have been mightily impressed. However, the island section functions as merely the second act of a depressingly familiar three-act structure, with the opening and closing segments at nearly unbearable half-hour length.

The opening section is the worst — starting the movie with Chuck on the airplane would have been just right. All the opening Moscow sequence does is spend a whole lot of time to establish one character trait for the lead player. The rest is even worse, a blandly obvious set of foreshadowings. See Chuck complain about his toothache. See Chuck give away his pocket knife. See Chuck almost propose to his girlfriend (Helen Hunt, in her fourth great performance this season). The entire first half-an-hour is a total waste of time, heavy-handed and turgid.

The last half-an-hour has the opposite problem, trying to accomplish entirely too much in too short period of time. Just when the real plot of the movie seems to be over, the screenplay keeps adding events, secondary conflicts, and pseudo-philosophical pronouncements. It also considerably dilutes the impact of the island-set sequence, revealing that the most important plot point was inexplicably left off-screen. The less is said about the angel wings theme, the better: Robert Zemeckis already tried once to make a religious picture (*Contact*), which ended up being simply awful, and he should not try again. Zemeckis' forte is quirky and exciting (*Back to the Future*, most of *Who Framed Roger Rabbit*, and *Forrest Gump*) and when he tries for profundity, the results are uninspired.

Tom Hanks's performance is very much like the film itself (probably because his performance, to a large extent, is the movie). It is an elaborate performance, physically complex, and surely very demanding on the actor. It is also very attention-grabbing — surprisingly little fun to watch.

## FILM REVIEW ★★★ 1/2

# Crouching Tiger, Hidden Dragon

*Burning Bright*

By Vladimir Zelevinsky

STAFF WRITER

Directed by Ang Lee  
Written by Hui-Ling Wang, James Schamus,  
Kuo Jung Tsai  
With Michelle Yeoh, Chow Yun-Fat, Zhang Ziyi

**A**fter several years of movies that are, in visual and narrative rhythms, *prose*, it is startling and wondrous to encounter one that is *poetry*. There is poetry aplenty in *Crouching Tiger, Hidden Dragon* (starting from the original Chinese title *Wo Hu Zang Long*), making it easily the best film of 2000, and one of the most original movies to come out in a long time (the last one to work as well was *The English Patient*, which has more than one thing in common with this film).

This originality is even more unusual since the film itself is chock full of conventions (I would call them clichés if not for the negative connotations). *Crouching Tiger* is a martial arts action movie (even more narrowly, a Hong Kong-style *wu xia* mythical fantasy) crossed with a romantic drama, and it abounds with the conventions of both. There is a forbidden love, a maiden married against her will, two people who are in love but would never admit it, as well as gravity-defy-

ing leaps, lightning-fast swordfighting, "you killed my master, prepare to die" rhetoric, legendary weaponry, etcetera etcetera etcetera.

And all of this works, largely because of Ang Lee's masterful direction. Lee, who makes yet another career switch (*The Wedding Banquet* to *Sense and Sensibility* to *The Ice Storm* to this film), provides an assured perspective, supreme technical skill, and a careful eye for all-important details.

Lee is aided by a complex script, stunning cinematography (the visuals are so easily the year's best that no other movie can even be mentioned in the same breath), high-tech special effects (even more remarkable to know that the budget of this movie was \$15 million, or roughly one tenth of *The Perfect Storm*), remarkable period sets and costumes, extraordinary martial arts choreography (thanks to Yuen Wo Ping, who also worked on *The Matrix*) and, most importantly, two utterly amazing performances.

Chow Yun-Fat receives the top billing, but this is clearly based on the name recognition factor alone; his part is largely that of a well-defined supporting character. No, the person who carries all of the movie is the third-billed Zhang Ziyi, and she is a true revelation, exploding onto the screen like a force of nature. Not only is her Jen an extremely multi-faceted character (just compare the

sedate way she is introduced to the same character in the central flashback), her character arc is the one that carries the movie. Add to this the extreme physical nature of this performance and her beauty, and the word "star" will start to seem overused and insufficient; the word "nova" feels more appropriate. In all fairness, some of these remarks can be attributed to the fact that your faithful servant is currently experiencing a sizable (say, 8.2 on Richter scale) crush on Ms. Zhang, but he trusts that he is still being objective.

The second of these two great performances is by the ever-reliable Michelle Yeoh, who gives a wholly convincing portrayal of romantic resignation; she is quietly heartbreaking.

The one downside of this is that compared to Zhang and Yeoh, their male counterparts don't really pull their weight. Yun-Fat, for example, is confident and charismatic — and that's about it, with not much visible under the surface stoicism.

This, and a couple of rough spots — a bit too much plot in the opening third, and a final stunning image diluted by a rather conventional wide landscape shot — prevent *Crouching Tiger, Hidden Dragon* from being a true masterpiece. However, since it is a year 2000 movie (and 2000 was worse even than 1999 and 1998 in terms of cinematic quality), *Tiger* is burning bright in the surrounding darkness.

## FILM REVIEW ★★★ 1/2

# STATE AND MAIN

*Mamet Deserves a Second Chance*

By Jed Horne

STAFF WRITER

Written and directed by David Mamet  
Starring Phillip Seymour Hoffman, William Macy, Alec Baldwin, Sara Jessica Parker, Rebecca Pidgeon, Clark Gregg, Charles Durning and Julia Stiles  
Rated R

**T**he latest from the writer/director David Mamet, *State and Main*, deviates very little from his characteristic cinematic style: complex, rapid-fire dialogue, elaborate plot twists, and hopelessly convoluted set-ups that resolve themselves perfectly at the end. But anyone who watched *The Spanish Prisoner* and felt cheated (like I did) owes it to his/herself to give Mamet a second chance. *State and Main* provides an excellent opportunity to do just that: A brilliant ensemble cast, a few really good one-liners and sight-gags, and, as much as I hate to admit it, a well-concocted story, all make *State and Main* Mamet's best production since, uhm ... *The Winslow Boy*? I think you get my point.

A film crew, led by fabulously nasty director Walt Price (William Macy Fargo), must handle misstep after misstep in quaint Waterford, Vermont (actually Manchester-by-the-

Sea, Massachusetts) after being inexplicably evicted from the previous shooting location in New Hampshire. The production staff quickly discovers that Waterford doesn't have an "old mill" like the film's title demands (it burned down during a series of suspicious fires in the 60s, according to local yore), nor can it accommodate the more "discriminating" tastes of the Californians — everything from Tuna BLT's to marquee-star Bob Barenge's (Alec Baldwin) yen for fourteen-year-old girls. Caught in the middle is writer Joseph Turner White (Phillip Seymour Hoffman, from *Happiness*) whose script must accommodate actress Claire Wellesley (Sara Jessica Parker), who refuses to bare her breasts despite a contract obligation. His romance with bookstore owner Ann Black (Rebecca Pidgeon) forces him to reflect on his relationships with the rest of the crew, as well as with his own artistic and personal integrity.

As preparations for the shooting reach a fever pitch, everyone seems to want to get a piece of the pie. Mayor Bailey (Charles Durning) and state senate candidate Doug MacKenzie (Clark Gregg) recognize a golden opportunity to go to bed with the film crew, as does high-school student Carla Taylor (Julia Stiles, also in *Traffic*), in the more literal sense of the term. But when Price and Bar-

renger's flamboyant *faux pas* overreach the bounds of the town's amazingly accommodating mores, the film finds itself yet again in jeopardy.

What *State and Main* does really well is set a mood. In stark contrast to the once-removed intellectual exercise of *The Spanish Prisoner*, Mamet's latest film brilliantly paces itself to accommodate both Walt Price's frenetic anal-retentiveness and the small-town hominess of Ann Black, and pokes fun deservedly at both. Unlike his character in *Happiness*, Phillip Seymour Hoffman's Joseph White displays a remarkable capacity for normal human emotion and an appreciation of moral quandary.

The sight-gags in this film work really well in the context of the story, something that few films do well. Running jokes (the spite of suspicious fires eliciting the most consistent audience response) are also effectively employed to root the film in the mendacity of a small town, while Mamet's taste for the absurd highlights an undercurrent familiar to anyone who has ever lived in one.

The movie also addresses some interesting issues about ethics, romance, and second chances (like the one I gave Mamet by agreeing to review this film). My only beef with the picture (other than a few glaring editing oversights) is the ending again: Blame Mamet for setting everything up brilliantly and then neatly tying it together in the end, whitewashing the moral ambiguities and difficult questions the film poses. That's not to say it wasn't immensely entertaining.

Kudos to the casting scout for bringing together such a talented group of actors, and to Mamet for bringing his usually high-brow production ethos back down to earth. After just finishing a year with very few movies actually worth seeing (except maybe *Traffic*, also starring Julia Stiles), *State and Main* is a promising beginning to the next.

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## MUSIC REVIEW

## State of the Airwaves

Matthews, Michael, and Mary Lou

By Dan Katz

STAFF WRITER

**H**ey! Musicians! Where are you? This week finds the concert landscape fairly desolate. The smattering of artists who are around are pretty good though, especially Aimee Mann and Michael Penn, who play together at Berklee Friday and Saturday night. Also onstage Saturday are Mary Lou Lord (at Club Passim in Harvard Square), and Steer Roast veterans the Big Bad Bollocks (at the Middle East.) Finally, ska legends the English Beat turn up at the Paradise Rock Club on Sunday.

As for significant album releases, I can't find anything of interest that came out yesterday. If I'm wrong, somebody please correct me.

Pay attention now, because this is complicated. The title of American Hi-Fi's "Flavor Of The Week" invokes comparison to the Marvelous 3's biggest hit, "Freak Of The Week." Butch Walker from the Marvelous 3 helped write SR-71's biggest hit, "Right Now," and American Hi-Fi are currently touring with SR-71. Got all that? The not-so-surprise ending to this story is that American Hi-Fi sound kind of a bit like, well, the Marvelous 3 and SR-71. I have to admit though, "Flavor Of The Week" isn't all derivative; there's a surprisingly calming, clean guitar in the background behind the distortion, and the chorus is one of the best I've heard this year. But then again, it's January, so that's not too difficult.

I just downloaded the new Dave Matthews Band single, "I Did It." It's available, free and legal, on the band's official website at <<http://www.davematthewsband.com>>. Upon listening to it, I spent nine seconds thinking I picked up the wrong file until Matthews' familiar voice kicked in. Dave Matthews Band singles have historically stood out from other rock radio fare like a sore thumb because of the ever-present saxophone and violin. However, on this new track, those instruments are downplayed to focus on a more traditional guitar line. I like this song a lot; for me, Dave Matthews Band has always fit into a group of performers (with, for instance, Dido and Rage Against The Machine) who have incredible musical talent, but who just don't tend to play music that I like. DMB occasionally catches my fancy, and this track in particular might actually convince me to buy an album.

I have to admit I'm a bit short on content this week (as I have mentioned before, December and January are a dead month when it comes to new music), but when life gives you lemons, you make lemonade. I'm going to seize the opportunity and preview the year ahead and let you know what to look forward to in terms of 2001 album releases.

If there's one thing I hate, it's when a band releases an album in countries other than the U.S., waits for you to buy the import, and then the album finally hits American shelves for about twenty dollars less than you paid. There were a lot of great foreign discs this year. The best, Our Lady Peace's *Spiritual Machines*, is currently getting minor American airplay for the song "Life," and the album crosses the border in March. Matthew Good Band's hit Canadian album *Beautiful Midnight* finally sees U.S. release at the end of this month. Other great albums that may or may not end up here this year are Placebo's *Black Market Music*, Treble Charger's *Wide Awake Bored*, and Mansun's *Little Kix*.

Radiohead follows up their first #1 album, *Kid A*, with *Amnesiac* in June, which will be a "more traditional" album that will be promoted more traditionally, with singles and videos. Radio heavy-hitters Dave Matthews Band and Semisonic both have discs coming out next month. Econoline Crush (Canada's answer to Stabbing Westward) has an album release planned for March, while Stabbing Westward (America's answer to Stabbing Westward) is aiming for a



DANNY CLINCH

Dave Matthews Band's latest release, "I Did It," is available, free and legal, at their website <<http://www.davematthewsband.com>>.

release in the second half of the year. Ben Folds' first official solo effort (not counting his side project Fear of Pop) hits in the spring, while Depeche Mode will unveil their first studio album in several years, hopefully in May.

But you don't care about 2001 music — heck, you're still accidentally writing "00" when you write the date. So, recapture the year you miss so badly — vote in the Airwaves Reader Awards! Send your favorite three albums and favorite three singles to <[airwaves@the-tech.mit.edu](mailto:airwaves@the-tech.mit.edu)>. Make your vote count, because it sure didn't in the presidential election. Until next time, have a good week and keep expanding your horizons.

## ON THE SCREEN

— BY THE TECH ARTS STAFF —

The following movies are playing this weekend at local theaters. The Tech suggests using <<http://www.boston.com>> for a complete listing of times and locations.

- ★★★★ Excellent
- ★★★ Good
- ★★ Fair
- ★ Poor

## 102 Dalmatians (★★★)

Cruella De Vil is released after three years in prison, and now she's on yet another villainous quest. This time, she's set her eyes on the "ultimate" fur coat, which requires 102 dalmatians. Watch Cruella and her group of bumbling henchmen manipulate flirtatious kennel-owner, Kevin, and his love-interest, Cloe, to humorous ends. — Devdoot Majumdar

## Adventures in Wild California (★★★)

The theme of this movie, California's wild nature, is the direct inspiration for the spirit of adventure, exploration, and innovation — but it is the glorious visuals (sky surfing and regular surfing, snowboarding, helicopter flights) that provide real excitement. — Vladimir Zelevinsky

## Cast Away (★★)

All the physical courage and technical accomplishments of *Cast Away* are not enough to balance its unwieldy structure and make it anything but an extended catalogue of human misery. Just like the central Tom Hanks performance, it is courageous and elaborate — and surprisingly joyless and little fun to watch. — Vladimir Zelevinsky

## Charlie's Angels (★★★)

This mixture of James Bond, *Mission: Impossible*, *The Matrix*, and *Drunken Master* is so much fun that it can't help but be infectious. The screenplay suffers from familiarity, and the final sequence is a letdown, but most of the movie is preposterously entertaining. Crispin Glover as a wordless assassin is a comic highlight. — VZ

## Crouching Tiger, Hidden Dragon (★★★★)

*Crouching Tiger, Hidden Dragon* is a "wu xia" martial arts fantasy crossed with period romantic drama. It is a showcase for

accomplished direction, stunning cinematography and special effects, and remarkable martial arts choreography. The most impressive aspect is the performance by a relative newcomer Zhang Ziyi, who explodes on the screen like a force of nature.

## The Emperor's New Groove (★★★★)

No songs, no lessons, no romance — the latest Disney full-length animated effort is exclusively a comedy, with a highly effective, rapidly paced barrage of gags, and it mixes the influences of Warner Brothers and Jay Ward. It might be perfectly weightless, but it is supremely funny. — VZ

## Finding Forrester (★★★)

*Goodwill Hunting* revisited with Robin Williams' humor replaced by Sean Connery's sexy voice. Newcomer Robert Brown essentially plays himself: a brilliant high school athlete from the projects who receives a scholarship to a private school. Warm, dusty sentimental scenes combine with the vivid, noisy

life of New York City to create a literary film with humor rather than pretense. — Katharyn Jeffreys

## O Brother, Where Art Thou? (★★★)

The Coan brothers' latest endeavor is clever, witty, and thoroughly enjoyable. With a stellar soundtrack, *O Brother, Where Art Thou?* is adapted from Homer's *Odyssey* — with a Coan brothers twist. George Clooney, John Turturro, and Tim Blake Nelson give excellent performances as three escaped convicts in the South. — Annie S. Choi

## State and Main (★★★½)

The immovable object meets the irresistible force when small-town America collides with Hollywood in *State and Main*, the latest from the writer/director David Mamet. *State and Main* contains a few really good one-liners and sight-gags, and a well-concocted story. The film brings together a talented group of actors (including William H. Macy, Phillip Seymour Hoffman, and Alec Bald-

win), bringing Mamet's usually high-brow production ethos back down to earth. — Jed Horne

## Traffic (★★★★)

Stephen Soderbergh's captivating docudrama of a film makes for a movie that transcends the "drug movie" genre. Eloquently written and perfectly acted, this movie is groundbreaking and definitely Oscar material. —DM

## What Women Want (★★)

Mel Gibson stars as a male chauvinist who develops the ability to read women's thoughts. Daring, yet disappointing, *What Women Want* doesn't tell what women want. Though women are portrayed as the more thoughtful sex, the representation is superficial and two-dimensional, and the ending is predictable and unsatisfactory. Despite cheesy sentiment and archaic themes, parts of *What Women Want* are enjoyable and often amusing. —Raja Mohan



TOUCHSTONE PICTURES / UNIVERSAL STUDIOS

Pete (John Turturro), Delmar (Tim Blake Nelson), and Everett Ulysses McGill (George Clooney) run from the law in the Coan brothers' *O Brother, Where Art Thou?*, a clever film loosely adapted from Homer's *Odyssey*.



## Clubs

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Sundays: See Avalon below.  
Mondays: *Static*. Gay, casual dress. \$5, 18+.  
Thursdays: *Chrome/Skybar*. Progressive house, soul, disco; dress code. \$10, 19+; \$8, 21+.  
Fridays: *Spin Cycle*. Progressive house, 80's. \$12, 19+; \$10, 21+.

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Sundays: "Current dance favorites" by guest D.J.s. Cover varies.  
Tuesdays: *Phatt Tuesdays*. With Bill's bar, modern dance music. \$10.  
Wednesdays: *STP*. Gay-friendly, house. \$15, 21+.  
Thursdays: *Groove Factor*. House.  
Fridays: *Pure*. Drum and bass, guest DJ. \$15, 19+.  
Saturdays: *Elements of Life*. International House. \$15.

**ManRay**  
21 Brookline St., Cambridge, 617-864-0400

Wednesdays: *Curses*. Goth. Appropriate dress required. \$5, 19+; \$3, 21+.  
Thursdays: *Campus*. Popular tunes + House. Gay, casual dress. \$10, 19+; \$7, 21+.  
Fridays: *Fantasy Factory* (First and third Friday of the month. Features kinky fetishes and industrial music.) *Hell Night* (every second Friday. 19+. Includes Goth music.) *Ooze* (the last Friday of the month.) \$10, 21+, reduced prices for those wearing fetish gear.  
Saturdays: *Liquid*. Disco/house + New Wave. \$15, 19+; \$10, 21+.

## Popular Music

**Axis**  
13 Lansdowne St., 617-262-2437  
Next: 423-NEXT

Feb. 8: Super Diamond, \$18, \$12.

**Avalon**  
15 Lansdowne St., 617-262-2424

Jan. 27: John Digweed.  
Feb. 4: Jill Scott.  
Feb. 11: Face To Face, H2O, Snapcase.  
Feb. 12: Everlast.  
Feb. 14: Les Claypool's Frog Brigade.  
Feb. 20: Aaron Carter.  
Apr. 5: Cowboy Mouth.

**Berklee Performance Center**

Berklee College of Music  
1140 Boylston St.  
Free student recitals and faculty concerts, 4 p.m. and 7 p.m. some weekdays. For info, on these concerts, call the Performance Information Line at 747-8820.

Jan. 19: Aimee Mann and Michael Penn.  
Jan. 27: From Gospel To Hip-Hop.  
Feb. 10: Ferron.  
Feb. 22: Paolo Conte.  
Feb. 24: Dave Brubeck.

**Club Passim**  
47 Palmer St., Cambridge, 617-492-7679

Tuesdays: Open Mic at 8 p.m. (sign up at 7:30). \$5.  
Jan. 18: Michael McDermott.  
Jan. 19: Carol Noonan.  
Jan. 20: Mary Lou Lord.  
Jan. 21: Chanterelle.  
Jan. 24: Tracie Smart.  
Jan. 25: Lowen & Navarro.  
Jan. 26: Rani Arbo and Daisy Mayhem.  
Jan. 27: Les Sampou.  
Jan. 31: Jim Rader.

**Fleet Center**

Ticketmaster: 931-2000.  
Jun. 5-6, 8: U2. Sold Out.

**The Middle East**  
Ticketmaster: 931-2000.  
Ticket prices vary. Call 354-8238 for more info.

Jan. 17: Tizzy, The Major Stars.  
Jan. 18: Bad Box, The Curbys, Breaking the Mile.  
Jan. 18: The Lapse, Heims, Denali.  
Jan. 19: Dragstrip Courage, Teen Beaters.  
Jan. 19: Plasma Presents: Chin Strap.  
Jan. 20: Big Bad Bollocks.  
Jan. 20: Johnny Alien & the Big Bad Bollocks.  
Colonel Johnny & the Lucky Diamonds, Angry Johnny & the Kill-billies.  
Jan. 20: Gamelan Presents: Wax Poetic.  
Jan. 20: Hybrasil.  
Jan. 21: Big D and the Kids Table, Cooter, The Sellouts.  
Jan. 22: New Music Night: Dead City Rockers, Fly Danny Click, Barn.

## On The Town

A weekly guide to the arts in Boston

January 17 - 25

Compiled by Fred Choi

Send submissions to ott@the-tech.mit.edu or by interdepartmental mail to "On The Town," The Tech, W20-483.

Jan. 22: Salt on The Tounge Dance Co.  
Jan. 23: No Warning, Another Life.  
Jan. 24: Gregory Isaacs.  
Jan. 24: Reflecting Skin, The Choice of Tragic Wives, A Kite is a Victim.  
Jan. 25: Fighting Gravity.  
Jan. 25: Generic, Machinery Hall, Search Engine.

**Orpheum Theatre**  
1 Hamilton Pl., Boston, 617-679-0810  
Ticketmaster: 931-2000

Feb. 1: Ben Harper, \$27.50.

**Sanders Theatre**  
45 Quincy St., 02138, 617-496-2222

Jan. 27: Kate Clinton.  
Jan. 28: Zimmerman's Coffeehouse.  
Feb. 3: Christine Lavin & Cheryl Wheeler.  
Mar. 23: John Gorka.

**T.T. the Bear's Place**  
10 Brookline St., Cambridge, 617-492-BEAR

Jan. 20: Charlie In The Box, Honest Bob, Jim's Big Ego.  
Jan. 21: Revere.  
Jan. 22: The Other Side Of The Bear Acoustic Series: Sweet Georgia Jimmy, Jesse Perkins, Fitless.  
Jan. 23: The Troubadours, Love, Scream, Alchemilla, The Color Forms.  
Jan. 24: Rosemary Crass, Wingnut, Davinchi & the Wrong Crowd, Hite Nine.  
Jan. 25: Sand Machine, Cloud Art, Tricycle, Tracy Husky.  
Jan. 26: Smells Like Records Showcase: Mark Kraus of Jr. Corduroy, Chris Lee, John Wolfington, Christina Rosenvinge.  
Jan. 27: Banjo Spiders, Brian Charles, Francine.  
Jan. 28: My Beautiful X-Wife.  
Jan. 29: The Other Side Of The Bear Acoustic Series: AdFrank & Friends.  
Jan. 30: Tim Easton.  
Jan. 30: Charlene, The Lonesome Organist, Euphone.  
Jan. 31: Zoux, The 520's, Raymond.  
Feb. 1: Chernetsky + Chizh + Raznye Lyudi.

## Jazz Music

**Regattabar**  
Concertix: 876-7777  
1 Bennett St., Cambridge 02138, 617-662-5000

Jan. 19-20: Rebecca Parris Quartet.  
Jan. 23: Dave Douglas: Charms of the Night Sky.  
Jan. 25-27: Pat Martino Trio.  
Jan. 30: Tre Corda.  
Jan. 31: The Fringe.  
Feb. 2-3: Sol y Canto.  
Feb. 2: Chiara Civallo Quartet.  
Feb. 6: Crosscurrent.  
Feb. 7: Cerie Miller Quintet.

**Scullers Jazz Club**  
DoubleTree Guest Suites, 400 Soldiers Field Rd., Boston, 617-562-4111

Jan. 18: Don Byron's Music for Six Musicians.  
Jan. 19-20: Jimmy Scott.  
Jan. 25: Bill Charlap Trio.  
Jan. 26-27: Earl Klugh.  
Jan. 31: Either Orchestra: 15th Anniversary Celebration.  
Feb. 1-2: Phil Woods Quintet.  
Feb. 3: The Persuasions.  
Feb. 8: Kevin Mahogany.  
Feb. 10: The Manhattans Featuring Gerald Alston and Blue Lovett.  
Feb. 14: A Valentine Evening with Donna Byrne.  
Feb. 15: Adam Sherman and The Seeds.

## Classical Music

**Cantata Singers**

Jan. 19 at 8 p.m., Jan. 21 at 3 p.m., at New England Conservatory's Jordan Hall. Honegger's "King David", a symphonic psalm for chorus, soloists (with tenor solo by MIT faculty member and Concert Choir, Chamber Choir director William Cutler), narrator, and 19 instruments. Four scenes from Kurt Weill's "The Eternal Road", an oratorio-like retelling of the story of the Jews. Also, the orchestra will be perform-



CATAPULT RECORDS

Mark your calendars now, 'cause Star Ghost Dog hit the Middle East early next month. Call 754-8238 for more information on the Middle East's upcoming shows.

ing Darius Milhaud's jazz ballet "La Creation Du Monde" and the chorus will be performing Arnold Schonberg's acappella work "De Profundis". Tickets are \$42, \$26, and \$15 with a \$5 discount for students. There will be a pre-concert lecture one hour before each performance, given in the Keller Room at NEC by Mark DeVoto, professor of music at Tufts University.

**Boston Symphony Orchestra**

Tickets: 266-1492.

Performances at Symphony Hall. For MIT Students: Tickets are offered for Th. evening concerts (8pm) and Fri. afternoon concerts (1:30pm) and are available on the day of the concert only at the BSO Box Office at Symphony Hall (301 Mass. Ave. Open 10 a.m.-6 p.m.). Two tickets may be obtained with two current valid MIT student IDs, subject to availability. For updated MIT student ticket availability, call 638-9478 after 10 a.m. on the day of concert.

Jan. 16: Stravinsky: Four Norwegian Moods; Britten: Serenade for tenor, horn, and strings; Berio: Requies; Mozart: Symphony No. 36, Linz. Federico Cortese, conductor; Vinson Cole, tenor; James Somerville, horn. Pre-performance talk given by Robert Kirzinger. Call for ticket prices.

Jan. 18-20, 23: Tchaikovsky: Suite No. 3; Scriabin: Piano Concerto; Prokofiev: Scythian Suite. Gennady Rozhdestvensky, conductor; Viktoria Postnikova, piano. Pre-performance talk given by Harlow Robinson.

Jan. 24: Open Rehearsal. General Tickets \$14.50.

**Chameleon Arts Ensemble**

Feb. 17 at 8 p.m. at the First and Second Church, 66 Marlborough Street in Boston's Back Bay (Arlington Stop on the Green Line): The Chameleon Arts Ensemble of Boston presents chamber music by George Crumb, Luciano Berio, Paul Hindemith, and Franz Schubert. Tickets \$28, \$20, \$14, discounts available for students and seniors. For tickets or more information,

call 617-427-8200 or visit <<http://www.chameleonarts.org>>.

## Theater

**Antigone**

Extended run. Through Jan. 21. At the American Repertory Theatre (64 Brattle St., Cambridge 02138), presented by the A.R.T. and directed by Francois Rochaix. The classic Greek tragedy is presented as part of the Loeb Stage Season. Tickets \$59-\$25. Call 617-547-8300 or visit <<http://www.amrep.org>> for more information or to reserve tickets.

**The Phantom of the Opera**

Through Jan. 27: At the Wang Center-Performing Arts (270 Tremont St., Boston). The now-classic Andrew Lloyd Webber show, complete with histrionic divas, falling chandeliers, and subterranean lakes. Tickets are \$61, \$38.50, \$26, and \$16. Tickets from Tele-charge, 1-800-447-7400, or Wang Theatre box office. Call the Wang Center at 617-482-9393 for more info.

**Checkhov: Three Farces and A Funeral**

Through Jan. 14. At the American Repertory Theatre (64 Brattle St., Cambridge 02138), presented by the A.R.T. and directed by Yuri Yermen. Robert Brustein has taken three of Chekhov's most popular comedies - *The Proposal*, *The Bear*, and *The Wedding* - and linked them with excerpts from the playwright's own love letters and scenes from his life. You'll laugh in recognition at the age-old rituals of love, courtship, and marriage in this effervescent flight of farces. Presented as part of the Loeb Stage Season. Tickets \$59-\$25. Call 617-547-8300 or visit <<http://www.amrep.org>> for more information or to reserve tickets.

**Comedy Connection**  
Mon.-Wed. at 8 p.m.; Thurs. 8:30

from outside the United States. Admission \$6 adults, \$4 students and seniors, free to children under 12 and members. Admission free on Thursday evenings. Wheelchair accessible.

**Isabella Stewart Gardner Museum**  
280 The Fenway, Boston. (566-1401), Tues.-Sun. 11 a.m.-5 p.m. Admission \$10 (\$11 on weekends), \$7 for seniors, \$5 for students with ID (\$3 on Wed.), free for children under 18. The museum, built in the style of a 15th-century Venetian palace, houses more than 2500 art objects, with emphasis on Italian Renaissance and 17th-century Dutch works. Among the highlights are works by Rembrandt, Botticelli, Raphael, Titian, and Whistler. Guided tours given Fridays at 2:30 p.m.

**Museum of Fine Arts**  
465 Huntington Ave., Boston. (267-9300), Mon.-Tues., 10 a.m.-4:45 p.m.; Wed., 10 a.m.-9:45 p.m.; Thurs.-Fri., 10 a.m.-5 p.m.; Sat.-Sun., 10 a.m.-5:45 p.m. West Wing open Thurs.-Fri. until 9:45 p.m. Admission free with MIT ID, otherwise \$10, \$8 for students and seniors, children under 17 free; \$2 after 5 p.m. Thurs.-Fri., free Wed. after 4 p.m.  
Mon.-Fri.: introductory walks through all collections begin at 10:30 a.m. and 1:30 p.m.; "Asian, Egyptian, and Classical Walks" begin at 11:30 a.m.; "American Painting and Decorative Arts Walks" begin at 12:30 p.m.; "European Painting and Decorative Arts Walks" begin at 2:30 p.m.; Introductory tours are also offered Sat. at 11 a.m. and 1:30 p.m.  
Permanent Gallery Installations: "Late Gothic Gallery," featuring a restored 15th-century stained glass window from Hampton Court, 14th- and 15th-century stone, alabaster, and polychrome wood sculptures from France and the Netherlands; "Mummy Mask Gallery," a newly renovated Egyptian gallery, features primitive masks dating from as far back as 2500 B.C.; "European Decorative Arts from 1950 to the Present"; "John Singer Sargent: Studies for MFA and Boston Public Library Murals." Gallery lectures are free with museum admission.

**Museum of Science**  
Science Park, Boston. (723-2500), Daily, 9 a.m.-5 p.m.; Fri., 9 a.m.-9 p.m.; Sat.-Sun., 9 a.m.-5 p.m. Admission free with MIT ID, otherwise \$9, \$7 for children 3-14 and seniors.  
The Museum features the theater of electricity (with indoor thunder-and-lightning shows daily) and more than 600 hands-on exhibits. Ongoing: "Discovery Center"; "Investigate! A See-For-Yourself Exhibit"; "Science in the Park: Playing with Forces and Motion"; "Seeing is Deceiving."  
Ongoing: "Friday Night Stargazing," Fri., 8:30 p.m.; "Welcome to the Universe," daily; "Quest for Contact: Are We Alone?" daily. Admission to Omni, laser, and planetarium shows is \$7.50, \$5.50 for children and seniors.

## Other Events

**Dangerous Curves: Art of the Guitar**

Through Feb. 25, 2001: The first comprehensive museum exhibition to focus on the guitar as an objet d'art. Audio guide narrated by James Taylor. The exhibit covers four centuries and features more than 130 instruments from museums and private collections around the world. Highlights include a 17th-century guitar created by famous violin maker, Antonio Stradivari, and guitars owned by celebrities such as Prince, and Jimi Hendrix's 1967 Gibson Flying V. Tickets: complimentary to MFA members (Number of tickets dependent on level of membership). Adults \$16 on weekdays, \$18 on weekends. Students/Senior citizens \$14/\$16. Children 6-17 \$6 for both weekdays and weekends. Children <=5 free. Adult group visits are available. Visit <[www.mfa.org](http://www.mfa.org)> or call 617-369-3368 for more information.

**Film Festivals**

At the Museum of Fine Arts, Boston, 02115. For tickets and more information, call 369-3770. Tickets for each showing are \$8, \$7 MFA members, seniors, students, unless otherwise noted.

**Guitars and Film Festival**  
Through Jan. 28. Check website for full schedule.

**The Righteous Babes**  
Jan. 20 at 10:45 a.m. (Dir. by Prati-bha Parmar, 1998, 50 min.): A powerful and timely documentary that examines the intersection of feminism with popular music by focusing on the role of female recording artists in the 1990s and their influence on modern women. Includes female musicians Courtney Love, Shirley Manson, Sinead O'Connor, Tori Amos, and Ani DiFranco.

## Exhibits

**Institute of Contemporary Art**  
955 Boylston St., Boston, 02115, (617) 266-5152 (Hynes Convention Center T-stop). Features a wide variety of contemporary conceptual art with shows which emphasize artists

FRED'S PICK OF THE WEEK

**John Greyson: The Law of Enclosures (2000)**

Jan. 20 at 7 p.m. Written and directed by John Greyson (director of the campy *Zero Patience* and the poignant *Lilies* and writer of several episodes of *Queer as Folk* (US)). With Sarah Polley, Brendan Fletcher, Diane Ladd, Sean McCann. 111 min. Greyson will be in attendance. At the Harvard Film Archive (located at the lower level of the Carpenter Center for the Visual Arts, 24 Quincy St. Cambridge, MA). The Gulf War forms a subtle backdrop of malaise to Canadian filmmaker John Greyson's inventive new adaptation of the novel by Dale Peck. Set in 1991 in the provincial town of Sarnia, Ontario, *The Law of Enclosures* is a twice-told tale of a marriage and its apparent failure. Tickets \$7 General, \$5 Students and Sr. Citizens. For more information and a complete schedule, call the Harvard Film Archive at 617-495-4700 or visit <[www.harvardfilmarchive.org](http://www.harvardfilmarchive.org)>.



## FOOD REVIEW

# The Essential Vegetarian

By Kathryn Jeffreys  
FEATURES EDITOR

If you are an avid *E.V.* reader (as I know you are) you will recall the IAP Vegetarian Cooking Classes I reported on, and attended, last year. The three classes took place in Courses and are led by an Aramark Chef. The \$7 pricetag for each class includes a meal of the food prepared in the class.

On Tuesday, the topic was Quick and Easy Vegetarian Cooking. The menu presented was diverse, including appetizers, entrées, side dishes, salads, and desserts. Unfortunately, due to low anticipated attendance, the remaining classes (Vegetarian Cooking for Company and Gourmet Vegetarian Cooking) were cancelled.

At the class, all students received a brief overview of how to prepare each dish and the general cooking techniques that go along with them. Then each student chose a dish to prepare fully, and worked with one or more partners to bring it to completion. Plus, a packet of the recipes and other information on cooking were printed up for students to take home.

I had a great time last year using the industrial frier, food processors, and cutlery. In addition, it was nice to meet new people with an appreciation for vegetarianism and vegetarian fare. Oh, and of course learning how to cook was neat too.

Hopefully next year they will increase advertising for the event (I could not find it in the IAP guide) so that attendance increases enough to hold the class.

I recently had dinner at Vox Populi (755 Boylston, Boston). The meal was enjoyable enough, but nothing to write home about. It opened with the Warm Rocquette plate, which combined the melted white cheese served

with two kinds of mustard with the toasted bread, onions, pickles, and potatoes which completed the plate. While the dish combined salty and spicy flavors with the sweet mild cheese, I felt it was lacking something (perhaps a fruit or a more diverse bread component).

As a main course, I tried the Seared Butternut Squash Risotto Cakes. Contrasting with the gentle spice of the mushroom ragout over which they were served, the cakes were much like potato pancakes in their texture and sweetness. It was a unique take on traditional risotto and squash dishes. My one complaint was that the seared risotto was overcooked, and ended up so sticky I needed a toothpick to pry it out of my teeth.

Full from the meal, I merely sampled the apple and cranberry torte but was left craving more. Again, the contrast of flavors and textures made it notable. Sweet apples sprinkled with tart cranberries served warm were just the thing to finish off a meal in what is a warm environment.

The atmosphere at Vox is undeniably classy. A rich, warm color scheme with leather couches scattered about makes it seem like your grandparent's dining room more than a restaurant. As we ate, the room filled with yuppie-types drinking wine and talking about business, relationships, and other gossip. The same crowd shows up at night, at which point the restaurant becomes a hopping bar scene. Well, as hopping as yuppies get anyhow.

Speaking of yuppies, my good buddy — or should I say, nemesis — Dan Katz is not one. However, in recently thinking of our ongoing (and as of late one-sided, on his behalf) grey-box war, I recalled all of my good times as the *Essential Vegetarian*. This being said, *E.V.* lives, at least until I graduate this June. So, as always, I leave you with a recipe and a plea to send in your suggestions and

feedback to <veggie@the-tech.mit.edu>. Next week: Why Wendy's used to be my favorite fast food establishment (and why they no longer hold that position).

## Butternut Squash Risotto

1 1/4 cups arborio rice  
3 tablespoons shallots, minced  
1 tablespoon olive oil  
1/3 cup dry white wine  
3 cups light chicken or vegetable stock or water  
1/2 teaspoon salt  
Freshly ground black pepper  
2 teaspoons ground cinnamon  
2 cups raw butternut squash, peeled and diced  
1/4 cup fresh basil or parsley, minced  
1/4 cup toasted pecans, chopped, or 1/4 cup grated Parmesan cheese (optional)

Serve this slightly sweet, cinnamon-scented risotto with grilled tofu or meat. It makes an excellent main course when topped with grated cheese.

Rinse rice and set aside in a strainer to dry. In a medium-sized, heavy saucepan, sauté shallots in olive oil, stirring often. Cook until shallots are soft.

Add rice and cook, stirring constantly, until most of the grains turn a milky color. Don't allow rice to brown.

Immediately stir in wine and cook until it's absorbed. Stir in 1/3 cup of stock, salt, pepper, and cinnamon. Cook, stirring constantly, until stock is absorbed. Continue to cook risotto for about 15 minutes, stirring in stock 1/3 cup at a time.

Add squash to rice and continue stirring in small amounts of stock until rice is tender and squash is cooked. Stir in minced fresh herbs and turn risotto out onto a serving dish. Garnish with pecans or grated cheese. Serves four.



# Bring It

## Where it matters most.

As one of the world's leading diversified technology companies, we're breaking new ground in everything from defense and commercial electronics, and business aviation and special mission aircraft. As a Raytheon employee, you'll contribute to the development of exciting, revolutionary technology designed to make life better, easier, and safer throughout the world. Such as our STARS air traffic control system. And our award-winning NightSight™ technology.

But it all starts with you. Your creativity. Your knowledge and innovation. And enthusiasm about the future. In return, we offer exceptional training and professional development opportunities. A supportive, down-to-earth work environment. And incredible benefits including flexible schedules designed to respect your quality of life.

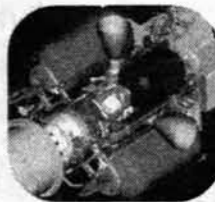
So you can still show off all those great qualities of yours outside of work, too.

We'll be visiting your campus soon — contact your career placement office for information on schedules and to arrange for an interview. If you are unable to meet with us, please send your resume to: E-mail: [resume@rayjobs.com](mailto:resume@rayjobs.com) (ASCII text only; no attachments). Raytheon Company, Attn: National Staffing Data Center, P.O. Box 660246, MS-201, Dallas, TX 75266. U.S. Citizenship may be required. We are an equal opportunity employer.

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- Management

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Morgan Stanley Dean Witter Asia invites juniors (class of 2002) interested in Summer Analyst opportunities in Fixed Income to apply online at [www.msdw.com/career/recruiting](http://www.msdw.com/career/recruiting).

**Application Deadline: February 7, 2001**

**MORGAN STANLEY DEAN WITTER  
ASIA**

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# Four Buildings Not Yet Finished

Tech Square, from Page 1

complex with several high-tech businesses, including Akamai Technologies, Inc. and Forrester Research, Inc. The MIT Laboratory for Computer Science and other such groups are also housed in Technology Square.

"This is an investment in the City of Cambridge," said MIT Treasurer Allan S. Bufford '99 in a printed statement. "MIT intends to hold Technology Square in its commercial tax-paying portfolio for the foreseeable future. The Institute has allocated a significant portion of its private endowment and other funds towards investments in non-campus commercial properties in Cambridge for more than 20 years."

MIT's prior investments have included 640 Memorial Drive, One Broadway, and University Park. These properties have increased Cambridge's commercial property base by \$700 million.

Beacon Capitol Partners has recently made other large deals. The company sold the Draper Building in April 2000 to Charles Stark Draper Laboratory, Inc. Beacon also sold One Kendall Square last week for approximately \$200 million.



WAN YUSOF WAN MORSHIDI—THE TECH

One Kendall Square, located on Hampshire St., offers various entertainment spots, including bars, restaurants and a cinema.

Write for The Tech!

[join@the-tech.mit.edu](mailto:join@the-tech.mit.edu)

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Department of the Treasury  
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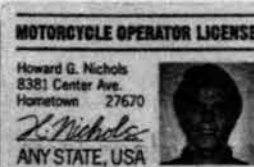


**TeleTax**

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**THE MOST FUN YOU'LL GET  
OUT OF THE DMV.**



A motorcycle operator license is more important than you think. The fact is, unlicensed riders are over-represented in fatal crashes. So get your license. While an afternoon at the DMV isn't much fun, having a license is something you can live with. **MOTORCYCLE SAFETY FOUNDATION**

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### DO YOU HAVE ANOREXIA?

\* Low weight women ages 18-45 are at risk for bone loss (osteoporosis)

\* 9-month research study for new bone loss treatment

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\* Stipend of up to \$500



Call Lisa Thomas, NP  
at 617-724-7393  
for more information.



## HEBREW CLASSES

Classes will meet on Mondays beginning February 5, 2001 in the Hillel Center in W11 (Religious Activities Center)

Beginner's Class: 6-7 PM

Intermediate Class: 5-6 PM

Classes Taught by Eti Boehm

Contact Karen Ross in the Hillel Office to register at [kross@mit.edu](mailto:kross@mit.edu) or 253-2982

## THIS WEEKEND AT LSC



**10  
things  
I hate  
about  
you**

Friday, 7 & 10 pm, & Sunday, 7 pm, 26-100

*Life is  
Beautiful*  
(LA VITA È BELLA)

Saturday, 7 & 10 pm, &  
Sunday, 10 pm, 26-100

<http://lsc.mit.edu/>






# If you had any brains at all, you'd be aware of the threat of depression.

Depression is a suppression of brain activity that can strike anyone. It can make life unbearable, but it is also readily, medically treatable. And that's something you should always keep in mind. This space donated by The Tech

©1 Cancer of Suicide  
**UNTREATED DEPRESSION**

## Tour CopyTech

### "The No Problem Zone"



11-004  
Wed. Jan. 17  
2:00 -4:30

It's a Tour; an Open House


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Enjoy refreshments

Explore our many programs

Learn more about

CopyTech: A copy center &



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For further information refer to the IAP Bulletin or <http://web.mit.edu/ctc/www/>

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# Living the Legacy of Martin Luther King, Jr.

## Exploring the past and changing the future

The Martin Luther King, Jr. Presidential Planning Committee presents two evenings of dinner, video and discussion. Join us for a screening of two of the "Eyes on the Prize" video series about the American Civil Rights Movement. We'll examine the struggles and accomplishments of individuals and groups who worked for positive change in their communities. You'll also have a chance to connect with other members of the MIT community to discuss what you can do to make the world a better place.

**Wednesday, January 17**  
**"No Easy Walk (1961-1963)"**

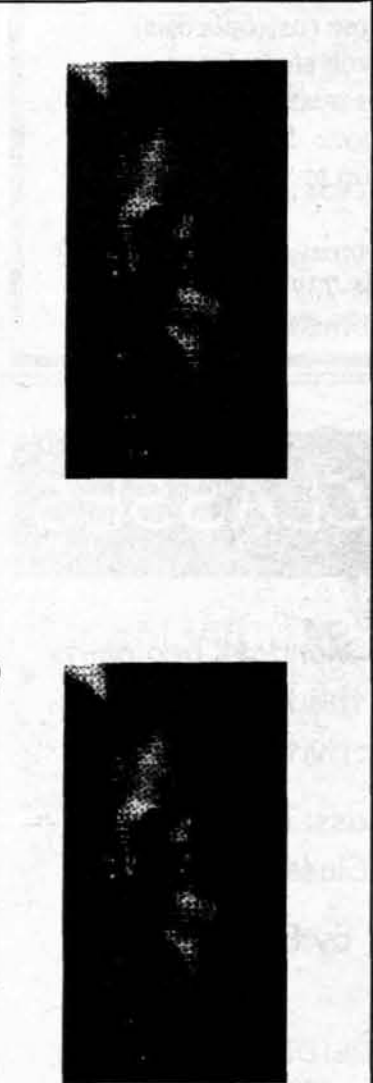
This episode depicts three major Movements. In Albany, GA, the Movement's nonviolent tactics are tested. In Birmingham, Alabama in 1963, children join the civil rights struggle and protestors face violent opposition. In 1963, the March on Washington reveals broad support for the civil rights movement.

**Thursday, January 18**  
**"The Promised Land 1967-1968)"**


Martin Luther King publicly opposes the war in Vietnam. His Southern Christian Leadership Conference embarks on an ambitious Poor People's Campaign. King detours to support striking sanitation workers in Memphis.

**Both sessions are**  
**5:30- 7:30 pm**  
**2-151**  
**Dinner provided**

For more information contact Tobie Weiner (253-3649, [iguanatw@mit.edu](mailto:iguanatw@mit.edu)), or Huanne Thomas ([huanne@mit.edu](mailto:huanne@mit.edu)).  
Sponsored by the Planning Committee for the Martin Luther King, Jr. Celebration




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AARON D. MIHALIK—THE TECH

Kalpak D. Kothari '01 jumps 41 feet 10.25 inches on Saturday to take second place in the triple jump at the Beaver Relays.

## Seven Qualify for the Div. III Championship

Track, from Page 26

mark in the weight throw with a personal best of 49-3. David P. Saylor '04 also achieved a personal best in the event with a throw of 36-9.

### Engineers take distance events

Daniel R. Feldman '02 won the 3000-meter run with a qualifying time of 8:44.80. Liyan Guo '01 ran a 15:47.72 to lead a 1-2-3 sweep of the 5000-meter run. Albert S. Liu '03 and Edward A. Keehr '01 finished with times of 15:58.30 and 16:04.79 respectively. Sean J. Montgomery '01 won the mile run with a time of 4:30.20.

In the sprints, Marc R. Washington '03 finished second in the 55 meter dash with a championship qualifying time of 6.70 seconds. Andrew C. Francis '04 finished right behind him with a personal best of 6.71. Washington and Francis also improved their times in the 200, running 23.45 and 23.86 respectively

for second and fourth place.

Yuval Mazor '02 showed he has overcome an early season injury by winning the 400 with a 52.31. Brian C. Anderson '04 had a spectacular day, beginning with a win in the 800-meter run with a qualifying time of 1:57.76. He then came back to lead the 4x800-meter relay team to victory with a time of 1:58. The team of Anderson, Montgomery, George R. Hanson '03, and John J. Biesiadecki '01 ran a 8:07.77 to ensure placement in the fast section of the Division III Championship.

In the end the Engineers won every running event above 200 meters, including all relays. The team showed they are geared up for an excellent season and plan to further improve in preparation for defending their New England Division III title.

Next week, MIT travels to Bates for a scoring meet against the Bobcats and the U.S. Coast Guard Academy.

## Victory Streak Starts at Caltech

Basketball, from Page 26

teams gave it their best, coming up with hustle plays again and again. MIT's depth was evident as Riddick and Dobson came off the bench to spark the squad.

Riddick contributed a game-high 20 points and went 6 for 8 from behind the three-point line. Dobson contributed 6 points and a game-high 10-rebound effort.

Russell gave a little of everything with 5 for 5 from the field, 2 for 3 from the charity stripe, 8 rebounds, 7 assists and 2 steals.

Overall MIT's pressure defense and determination outlasted William Smith. MIT clung onto a three-point lead in overtime to win 64-61.

### Caltech victory sparks streak

Women's basketball started off the year in sunny southern California as they traveled Westward to take on Whittier College on January 3 and academic rivals Caltech on January 5.

Against Whittier, Opening the New Year far from home, in an unfamiliar place, MIT took a half to adapt to the challenges and found themselves in a 24 point hole at halftime. With MIT pride on the line, MIT came out tougher in the second half, beating the Poets over the next twenty minutes of play. Alas, the game is based on the score over two halves and the MIT squad left the gym trailing 67-44, and taking the fourth loss of the season.

Though senior captain Cristina Estrada had an effort of 18 points, and 11 rebounds, that was not enough. The deciding factor in the game, unfortunately, lay in the 31 turnovers the Engineers dealt out.

On a positive note, however, MIT coach Melissa Hart received a note after the game from some Whittier fans applauding MIT's "spirit and fight even in defeat." They were "proud of the MIT Basketball team for displaying what the competitive spirit of the game is all about." This kind of gesture does not happen too much in the Northeast, but of course, this was California.

Two days later, MIT redeemed itself with a victory against Caltech. Eleven MIT players put up points and thirteen pulled down 44 team boards as MIT quieted the boisterous CalTech crowd with a 80-46 rout and decisive statement as the top Engineers in this contest.

Maria E. Hidalgo '04 supplied the Engineers with 5 assists and 4 steals. Setting an example as leaders should, senior captains Ebony Smith '01 and Estrada combined for 65 percent shooting from the field and 37 out of the team's 80 points (19 and 18 respectively). Smith also had 5 steals and 4 assists in less than a half of play and Estrada pulled down 9 rebounds.

Estrada's final shot of the game was her 1000th point while at MIT. Only six other female players have attained this feat at MIT. Also, she was named NEWMAC's Player of the Week by averaging 18 points and 10 rebounds, and having six blocks and two steals. Estrada, for the second year in a row, ranks in the top 10 in Division III women's basketball in blocked shots and presently ranks second with 3.6 blocks per game.

Zacks, the team's leading rebounder, is 18th in the country in individual rebounding, taking 10.9 caroms off the glass per game. MIT also ranks 16th as a team in rebound margin with a 9.0 plus difference over opponents.

### Men's Basketball

Tuesday, January 16

Coast Guard at MIT		1	2	Total
MIT	30	27	57	
Coast Guard	40	25	65	

	AB FG	3 PT	FT	R	PF	Pts	A	TO	BLK	STL	W
MIT	14-34	5-13	9-11	5	1	3	7	4	0	1	36
Shay Lacey	6-14	0-4	3-4	2	2	3	1	0	0	0	1
Head Brewer	0-0	0-0	0-0	0	0	0	0	0	0	0	0
Kyle Roberts	1-2	0-0	1-2	3	1	0	0	0	0	0	10
Craig Holleran	5-8	0-0	3-4	5	3	13	2	4	1	0	30
Zach Jones	6-12	5-8	1-2	4	1	22	0	1	0	0	38
Terrance Jones	3-7	0-0	2-2	2	0	6	3	0	0	0	19
Head Brewer	1-4	0-0	1-4	3	2	1	0	0	0	0	27
Alexander Phillips	0-0	0-0	0-0	1	0	0	0	0	0	0	4
Sebastian Herrick	0-2	0-0	0-0	2	0	0	2	0	0	0	10
Paul Tanch	0-2	0-0	1-2	0	0	0	0	0	0	0	2
Paul Tanch	1-3	0-0	0-0	1	2	0	1	0	0	0	9
Julian Howell	0-0	0-0	0-0	0	0	0	0	0	0	0	2
Shant Loral	0-2	0-1	0-0	2	0	0	1	0	1	0	5

MIT	29-46	7-17	10-18	33	16	57	15	1	2
Coast Guard	29-52	12-30	13-18	33	16	65	11	9	1

Shooting	First Half		Second Half		Total	
MIT	M-A	Per	M-A	Per	M-A	Per
AB FG	11-23	47.8%	9-23	39.1%	20-46	43.5%
3 pt FG	3-8	37.5%	4-9	44.4%	7-17	41.2%
FT	5-6	83.3%	5-10	50.0%	10-16	62.5%

Shooting	First Half		Second Half		Total	
Coast Guard	M-A	Pct	M-A	Pct	M-A	Pct
AB FG	14-30	46.7%	6-21	28.6%	20-52	39.2%
3 pt FG	10-22	45.5%	2-8	25.0%	12-30	40.0%
FT	1-4	25.0%	11-16	78.6%	13-18	72.2%

### Men's Basketball

Saturday, January 13

MIT at Springfield		1	2	Total
MIT	29	21	50	
Springfield	34	35	69	

	AB FG	3 PT	FT	R	PF	Pts	A	TO	BLK	STL	W
MIT	14-34	5-13	9-11	5	1	3	7	4	0	1	36
Shay Lacey	6-14	0-4	3-4	2	2	3	1	0	0	0	1
Head Brewer	0-0	0-0	0-0	0	0	0	0	0	0	0	0
Kyle Roberts	1-2	0-0	1-2	3	1	0	0	0	0	0	10
Craig Holleran	5-8	0-0	3-4	5	3	13	2	4	1	0	30
Zach Jones	6-12	5-8	1-2	4	1	22	0	1	0	0	38
Terrance Jones	3-7	0-0	2-2	2	0	6	3	0	0	0	19
Head Brewer	1-4	0-0	1-4	3	2	1	0	0	0	0	27
Alexander Phillips	0-0	0-0	0-0	1	0	0	0	0	0	0	4
Sebastian Herrick	0-2	0-0	0-0	2	0	0	2	0	0	0	10
Paul Tanch	0-2	0-0	1-2	0	0	0	0	0	0	0	2
Paul Tanch	1-3	0-0	0-0	1	2	0	1	0	0	0	9
Julian Howell	0-0	0-0	0-0	0	0	0	0	0	0	0	2
Shant Loral	0-2	0-1	0-0	2	0	0	1	0	1	0	5

MIT	29-46	7-17	10-18	33	16	57	15	1	2
Springfield	23-46	3-7	29-38	38	15	69	17	15	4

Shooting	First Half		Second Half		Total	
MIT	M-A	Pct	M-A	Pct	M-A	Pct
AB FG	12-31	38.7%	9-27	33.3%	21-58	36.2%
3 pt FG	2-10	20.0%	1-6	16.7%	3-16	18.8%
FT	3-4	75.0%	2-5	40.0%	5-9	55.6%

Shooting	First Half		Second Half		Total	
Springfield	M-A	Pct	M-A	Pct	M-A	Pct
AB FG	12-22	50.0%	12-31	50.0%	23-46	50.0%
3 pt FG	2-5	40.0%	1-2	50.0%	3-7	42.9%
FT	19-34	71.4%	19-38	62.5%	29-50	66.7%

### Women's Basketball

Thursday, January 11

Salve Regina at MIT		1	2	Total
MIT	28	33	61	
Salve Regina	15	20	35	

	AB FG	3 PT	FT	R	PF	Pts	A	TO	BLK	STL	W
MIT	14-34	5-13	9-11	5	1	3	7	4	0	1	36
Crystal Howell	5-14	0-4	3-4	2	2	3	1	0	0	0	13
Ryan Zacks	4-8	0-0	0-0	4	2	8	0	1	3	24	
Cristina Estrada	10-19	0-0	0-0	19	1	29	2	4	3	33	
Debra Hildick	3-11	1-4	0-0	1	1	7	1	4	0	24	
Wagner Daugherty	4-9	0-0	2-3	3	1	10	3	2	1	0	24
Kathleen Debusse	2-5	0-0	0-0	6	0	4	1	0	0	1	17
Maria Hidalgo	0-1	0-0	0-0	1	0	0	2	1	0	0	9
Amy Blak	1-2	0-0	0-0	0	3	0	0	1	1	6	
Sarah Hildebrandt	1-4	0-0	1-2	1	0	2	1	0	0	6	
Cristina Estrada	0-1	0-0	1-2	0	0	0	3	0	1	8	
Stacy Kelly	0-4	0-0	1-2	4	1	1	0	1	0	7	
Alison Johnson	0-0	0-0	0-0	0	0	0	0	0	0	0	5
Jessica Pankowski	0-0	0-0	0-0	0	0	0	0	0	0	0	1

MIT	28-72	2-7	3-7	51	9	61	16	1	5
Salve Regina	15-40	2-16	3-4	29	9	35	8	30	6

Shooting	First Half		Second Half		Total	
	M-A	Pct	M-A	Pct	M-A	Pct
AB FG	13-37	35.1%	15-35	42.9%	28-72	38.9%
3 Pt FG	1-4	25.0%	1-3	33.3%	2-7	28.6%
FT	1-3	33.3%	2-4	50.0%	3-7	42.9%

Shooting	First Half		Second Half		Total	
Salve Regina	M-A	Pct	M-A	Pct	M-A	Pct
AB FG	7-18	22.6%	8-29	27.6%	15-40	25.0%
3 Pt FG	1-10	10.0%	1-4	18.7%	2-18	12.5%
FT	0-0	0.0%	3-4	75.0%	3-4	75.0%

### Men's Basketball

Thursday, January 11

Wentworth at MIT		1	2	Total
MIT	31	28	59	
Wentworth	30	25	55	

	AB FG	3 PT	FT	R	PF	Pts	A	TO	BLK	STL	W
MIT	14-34	5-13	9-11	5	1	3	7	4	0	1	36
Shay Lacey	4-8	0-0	1-2	7	1	9	0	3	1	1	24
Head Brewer	0-0	0-0	0-0	0	0	0	0	0	0	0	0
Kyle Roberts	5-7	0-0	0-0	3	1	10	1	1	0	0	18
Craig Holleran	5-11	0-0	2-4	2	4	12	0	1	0	0	17
Zach Jones	3-13	1-4	3-3	6	0	10	1	2	2	0	34
Paul Tanch	1-2	1-1	0-0	1	1	3	1	0	0	0	6
Alexander Phillips	1-2	0-0	0-0	1	2	2	0	2	0	0	6
Kyle Roberts	1-4	1-4	0-1	3	3	3	1	0	0	1	17
Shant Loral	0-0	0-0	0-0	0	0	0	0	0	0	0	2
Paul Tanch	1-3	0-0	0-0	1	2	0	0	0	0	0	9
Julian Howell	0-1	0-0	0-0	0	0	0	0	0	0	0	1
Sebastian Herrick	0-1	0-0	0-0	1	2	0	1	0	0	0	6
Terrance Jones	2-4	0-0	3-4	7	1	7	1	1	1	1	28

MIT	23-53	3-11	10-18	38	29	59	16	12	5	4
Wentworth	17-52	6-16	15-25	29	19	55	6	13	0	3

Shooting	First Half		Second Half		Total	
	M-A	Pct	M-A	Pct	M-A	Pct
MT	13-27	48.1%	10-26	38.5%	23-53	43.4%
3 pt FG	2-7	28.6%	1-4	25.0%	3-11	27.3%
FT	9-4	75.0%	7-12	58.3%	16-16	62.5%

Shooting	First Half		Second Half		Total	
Wentworth	M-F	Pct	M-F	Pct	M-F	Pct
AB FG	10-25	40.0%	7-27	25.9%	17-52	32.7%
3 pt FG	3-7	42.9%	3-8	37.5%	6-18	33.3%
FT	7-10	70.0%	8-15	53.3%	15-25	60.0%

### Women's Basketball

Tuesday, January 9

MIT at Brandeis		1	2	Total
MIT	24	34	58	
Brandeis	28	25	53	

	AB	FG	3 PT	FT	R	PF	Pts	A	TO	BLK	STL	W
MIT	14	34	5	13	9	1	3	7	4	0	1	36
Crystal Howell	5	14	0	4	3	2	13	0	0	0	0	38
Rhonda Sparks	3	14	2	11	3	1	8	0	4	0	4	25
Cynthia Estrada	4	15	0	0	5	8	8	1	2	3	25	35
Chesney Smith	9	3	0	0	0	4	0	0	3	0	2	13
Nagay Daugherty	5	13	5	2	2	1	14	2	1	0	1	25
Robert Baldwin	2	10	1	5	1	3	4	0	1	0	0	29
Kathleen Boudreau	2	4	0	0	1	4	0	0	0	1	20	29
Marci Baldwin	0	2	0	0	0	0	0	0	1	0	0	3
Anye Malik	2	4	1	1	0	1	0	5	0	0	0	1
MIT	23	47	4	12	45	17	58	12	16	2	11	
Brandeis University	22	56	17	9	48	15	53	15	23	2	7	
Coacher	First	1st			Second	1st			Total			



## SPORTS

## Men's Indoor Track Hosts Beaver Relays

By Kevin Atkinson

TEAM MEMBER

MIT men's track and field team competed in the annual Beaver Relays on January 13 following a three week break. Although this was a non-scoring event, MIT showed their potential for the season by taking top spots in many events and qualifying seven individuals for the New England Division III Championships.

The Engineers competed at home against Fitchburg State College, the University of Southern Maine and the United States Coast Guard Academy.

Richard F. Rajter '03, and Craig D. Mielcarz '03 took first and second place in the pentathlon with 3299 and 3244 points respec-

tively. Rajter and Mielcarz easily exceeded the 2900 point qualifying mark for the Division III Championship. Anthony R. Pelosi '01 also qualified with 2941 points.

Tech continued with strong performances in the pole vault, where Samuel H. Thibault G and Daniel F. Opila '03 placed second and third with vaults of 13 feet, 6 inches. Daniel Kwon '02 joined Opila and Thibault as qualifiers for the division championship.

In other field events, Brian D. Hoying '03 won the high jump by clearing 6-6 for the second time this season and qualified for the division championship. Brian T. Wong G improved his qualifying

Track, Page 25

## Basketball Beats Salve Regina

### Engineers Extend Win Streak to Four Games with 61-35 Victory

By Melissa Hart

TEAM COACH

The women's basketball team extended their winning streak to four games after defeating a short-handed Salve Regina team last Thursday. The Lady Engineers won 61-35, while six Salve players sat on the bench for disciplinary reasons.

MIT took a 22-0 lead by the

middle of the first half and the lead only dwindled to 13 points during the game. The win brings MIT to 9-4 for the season.

Cristina Estrada '01 proved a dominant force in the game. She led the Engineers with 20 points, 19 rebounds, and four blocks. Megan C. Daugherty '03 chipped in with 10 points, and Crystal A. Russell '03 dealt eight assists.

MIT prevails against Brandeis

The third win of the streak came at home against Brandeis University last Tuesday. Although the Engineers were down for most of the game, they came back in spectacular fashion in the final minutes to defeat Brandeis 58-53.

The Engineers were cold during the first half and only made 24 percent of their shots. However, the Engineers' strong defense held Brandeis to 10 field goals and a five point spark off the bench from Amy W. Mok '02 kept the deficit to four points at the half (28-24).

The Engineers came out strong in the second half, shooting 50 percent from the field, but with 10 minutes left in the game, they still found themselves behind by 11 points.

After a controversial intentional foul was called on MIT and with the two senior MIT captains in foul trouble, MIT exploded on an offensive run.

Russell was a prime factor in this run and ended the game one rebound short of a triple double. She made 13 points, had 10 assists, pulled down nine rebounds, and had a few steals as well.

Daugherty led all scorers with 14 points and 40 percent shooting from behind the arc.

In the stretch, everyone had their share of big plays. Rayna B. Zacks '04 drew a charge, Kathleen L. Dobson '03 made a spectacular hustle play off of a long rebound for another crucial possession, and Dwan C. Riddick '03 hit a three to seal the game. MIT led a stunned Brandeis at the final buzzer to win 58-53.

Engineers bring winning home

The second win of the streak was determined at home in overtime against William Smith College.

The game was hard fought and the lead changed hands several times throughout the contest. Both

Basketball, Page 25

## UPCOMING HOME EVENTS

Wednesday, January 17

Men's Ice Hockey vs. Bridgewater State College, 7:30 p.m.

Friday, January 19

Pistol vs. U.S. Coast Guard Academy, 4:00 p.m.

Saturday, January 20

Women's Indoor Track and Field vs. Bates College &amp; U.S. Coast Guard Academy, 12:00 p.m.

Men's Basketball vs. Clark University 2:00 p.m.

Women's Ice Hockey vs. Bowdoin College, 7:00 p.m.

Sunday, January 21

Women's Ice Hockey vs. Colby College, 5:00 p.m.

Monday, January 22

Women's Club Ice Hockey vs. University of Rhode Island, 7:00 p.m.

Tuesday, January 23

Squash vs. Yale University (at Harvard), 6:00 p.m.

Men's Basketball vs. Wheaton College, 7:00 p.m.

Women's Gymnastics vs. Brown University, 7:00 p.m.

Wednesday, January 24

Men's Volleyball vs. Wentworth Institute of Technology, 7:00 p.m.



AARON D. MIHALIK—THE TECH

Cristina Estrada '01 (33) drives past a Salve Regina defender during Thursday's women's basketball game. MIT beat Salve Regina 61-35, putting them at 9-4 for the season.



AARON D. MIHALIK—THE TECH

MIT and Bates College fight for the puck during the men's hockey game Saturday. MIT lost to Bates, 6-2.



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UNIVERSITY PARK HOTEL @ MIT  
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3:00 – 4:00 PM TECHNOLOGY CAREER OUTLOOK  
FOR PRE-REGISTERED ATTENDEES  
4:00 – 8:00 PM CAREER FAIR

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Thursday January 11th • 4-237  
Robert van der Hilst, Earth,  
Atmospheric, & Planetary Sciences  
**Seismology: From Devastating  
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Tuesday January 16th • 6-120  
Hiroshi Ishii, Media Arts & Sciences  
**Tangible Bits: Designing the  
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and Atoms**

Thursday January 18th • 4-237  
Patricia Culligan, Civil &  
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**Cleanup of Contaminated**

Thursday January 25th • 4-237  
Seth Lloyd, Mechanical Engineering  
**Designing, Building, and  
Operating Quantum Computers**

Tuesday January 30th • 6-120  
Paul Carlile, Management  
**Knowledge Boundaries: The  
Critical Challenge in Building  
a Knowledge-Management  
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Thursday February 1st • 4-237  
David Mindell, Science,  
Technology & Society  
**Technology, Archeology, and  
the Deep Sea**

All forums start at 3:30pm with a reception to follow. Eight students may also dine with the faculty presenter the same evening.

Please sign up through:

<http://mit.edu/iap/2001events/spark.html>