

LUCY YANG—THE TECH

NOT SO FROSTY — January's weather has substantially shortened the lifespan of snowmen on campus.

Residential System Design Contest Begins

By Frank Dabek
NEWS EDITOR

Starting today students will apply their design skills to a problem close to home — MIT's residence system.

The Independent Activities Period residence system design program, sponsored by Chancellor Lawrence S. Bacow '72, begins today with a kickoff event in the Bush Room at 3 p.m.

The contest, which stretches through January, asks teams of students, faculty and staff to create a design that addresses a series of "compelling questions" and lays out the future of MIT's residence system. The designs will eventually be evaluated by Bacow and will influence the Institute's new housing policy.

Process Manager Kirk D. Kolenbrander described the design contest as MIT "looking to all its members and saying: 'We need your help in shaping our future.'"

He said that the proposals will play a large role in the formation of the new housing policy. It is "difficult to overstate how large a potential impact... the output of a design team might have," he said.

Eric Liu '00, a member of the steering committee, said that the contest represents a chance for students to make "a large and dramatic change in their daily lives."

Liu added that the contest represents "an honest effort by... the administration to get student input"

on the problem of housing.

Contest to address questions

The design contest asks participants to consider one of five "compelling questions" laid out in an open letter to participants. The questions will serve as a discussion base and a starting point for designs.

According to Kolenbrander, designs must conform to specifications that will be given to participants at the first meeting. The design must address the timing and format of the Fraternity, Sorority, and Independent Living Group selection process, the residence hall selection process, and address ways to "mentor first year students in a manner similar to that presently [taking place] ... in the FSILG system."

Kolenbrander said that Institute housing currently provides mentoring for students but said that there is "no question that the FSILG system offers some important benefits" to first year students.

Designs must also consider how to assist independent living groups during the transition to housing all freshmen on campus as well as ways of improving faculty-student interaction.

The questions and specifications presented in this contest deal with the residence system in a long-term perspective. "We are asking students to look far beyond their life at MIT,"

Design Contest, Page 14

John Guttag Will Replace Paul Penfield as Head of EECS Dept.

By Rima A. Arnaout
STAFF REPORTER

This Friday, Professor Paul L. Penfield Jr. ScD '60 will step down after a nine and a half year stint as head of the Department of Electrical Engineering and Computer Science.

Penfield will be succeeded by Professor John V. Guttag who has served as associate department head since 1993.

Guttag picked Professors Rafael L. Reif and Tomas Lozano-Perez '73 as his new associate department heads for electrical engineering and computer science, respectively.

"I've put my heart and soul into this job for years," Penfield said; now "it's time to let the leadership pass to someone else." As Penfield remarked, his was the longest tenure as of a department head in EECS since World War II.

Penfield says he "will focus on the teaching side of things instead of the research side." Penfield will teach Structure and Interpretation of Computer Programs (6.001) this spring. "I love to be in the classroom," Penfield said, "and I miss that."

Penfield praised by colleagues

"Professor Penfield has been an extraordinarily effective department head," Guttag said. "His most tangible contribution is probably our highly successful Master of Engineering Program," introduced in 1993.

The program produces about 200 graduates each year, about two thirds of whom were undergraduates at MIT.

Penfield also began a review of the department's doctoral program.

As a result of the review, "we're implementing several reforms in the admission, advising, and qualification of students," Guttag told the *EECS Newsletter*. It will be up to Guttag to implement the suggested revisions to the doctoral

program.

Guttag has a long road ahead

Guttag, like Penfield, will also have to face the difficult task of providing a high quality education in what is the largest department at MIT. Typically, just below 300 students major in Course VI each year, but that figure is rising — the class of 2001 has 360 Course VI majors.

Within the department, Guttag also plans to shift teaching staff to

accommodate the growing interest in computer science and work to integrate the two branches of the EECS department.

In January's edition of the *EECS Newsletter*, Guttag explained that "it seems clear that some movement toward computer science is appropriate, but how much movement and toward which aspects of computer science are less clear."

Penfield, Page 11

IAP Diversions Help Students Unwind

By Kristen Landino
STAFF REPORTER

Independent Activities Period is a time to try something new, something different, and even a time to get one's hands dirty. Glassblowing, woodworking, and investment casting of silver are three classes during IAP which offer what is far from traditional MIT fare.

Glassblowing

Located in the basement of MIT's main building, the glassblowing workshop offers classes during IAP that teach students the art of shaping glass figurines, vases, and bowls from molten hot glass.

Taught by Professor of Materials Science and Engineering Michael J. Cima, this class allows each student to make a small glass animal in their first week, a paperweight the second week, and a bowl or vase in the last week. Glassblowing meets for four hours each week, two hours of lecture and two hours spent practicing techniques in the lab.

IAP Activities, Page 16



ANGELA PIAU—THE TECH

Aimee B. Angel '00 works on a stool in her Intro to Woodworking class yesterday in the MIT Hobby Shop.

Four MIT seniors garner Marshall scholarships.



Comics

THE ARTS

The American Repertory Theatre's production of *Phaedra* gives a profound classic new life.

World & Nation2
Opinion4
Arts6
TechCalendar9
Police Log12

WORLD & NATION

U.S. Clash Shows Iraq's Frustration

LOS ANGELES TIMES

WASHINGTON

A U.S. warplane fired a missile at an Iraqi anti-aircraft radar installation Tuesday, punctuating a low-intensity but potentially lethal conflict made increasingly dangerous by Iraqi President Saddam Hussein's growing level of frustration.

In the second such incident in two days — and the sixth in just more than two weeks — the F-16 fired a radar-seeking rocket at an Iraqi ground-to-air missile site in the "no-fly" zone in Iraq's north after the installation signaled hostile intent by training its radar on the plane, the Pentagon said.

U.S. officials said such military face-offs are a symptom of the Iraqi leader's attempts to break out of the strategic box that has confined him since the 1991 Persian Gulf War.

Hussein's regime clearly has the power to bar the inspectors, but Washington and London insist that unless UNSCOM certifies that Iraq's weapons of mass destruction have been dismantled, the sanctions will remain in place.

Hussein has signaled his intention to challenge the no-fly zones imposed after the Gulf War to prevent him from attacking restive Kurds in the north and Shiite Muslims in the south.

In response, Kuwait authorized the United States to base eight F-16 warplanes on Kuwaiti territory.

Barr's Divorce Answers Draw Fire

THE WASHINGTON POST

WASHINGTON

In a bit of televised theatrics, Hustler publisher Larry Flynt Monday night accused Rep. Robert L. Barr Jr., (R-Ga.) of hypocrisy for refusing to answer questions in a divorce proceeding about his relationship with the woman who is now his third wife.

Flynt contrasted Barr's invocation of a judicial privilege under Georgia law with the congressman's harsh criticism of President Clinton for evasive testimony under oath about his relationship with Monica S. Lewinsky. Barr is one of the 13 House "managers" who will present the case for Clinton's impeachment at the Senate trial.

Flynt, whose investigations of Republican politicians' personal lives have made him the focus of enormous media attention, leveled his charge on CNBC's "Rivera Live" and planned to repeat it at a Los Angeles news conference (which C-SPAN executives canceled plans to air after watching the Rivera broadcast).

"I believe that Congressman Barr has taken a moral and ethical position that is inconsistent with the position he's taken as a congressman," Flynt said.

Senate Sets Legislative Agenda

LOS ANGELES TIMES

WASHINGTON

Caucusing behind closed doors, nervous Senate Republicans Tuesday began crafting a legislative agenda for the new Congress, vowing to cut taxes, reform Social Security and Medicare even as they start the year with the impeachment trial on whether to remove President Clinton from office.

"The people's business will go forward," said Sen. Larry E. Craig, (R-Idaho) chair of the GOP policy committee. "You're going to see a very busy Senate during the period of the impeachment (trial) and following that."

But such work, at least for several weeks, will have to be scheduled around the trial, which is to start Thursday afternoon and may go well into the evening on most days.

With less than 48 hours before the trial's opening arguments, the Senate's 55 Republicans met with some sense of urgency to talk issues — lest they come across as single-minded partisans out to remove a Democratic president from office.

Sen. Olympia Snowe (R-Maine) said, "We're not going to allow our legislative agenda to be sidetracked by this trial."

Clinton to Push for Passage Of Nuclear Test Ban Treaty

By Tyler Marshall

LOS ANGELES TIMES

WASHINGTON

The Clinton administration announced Tuesday it will make ratification of a global treaty banning nuclear testing a priority for 1999, a move that launches President Clinton on a collision course with key Republicans already sworn in as jurors in his Senate impeachment trial.

Speaking at an international conference on nonproliferation here, national security adviser Samuel R. "Sandy" Berger said Clinton will press the Senate to ratify the Comprehensive Test Ban Treaty.

"This treaty is in America's national interest," Berger said. "If the Senate rejected or failed to act on the test ban treaty, we would throw the door open to regional nuclear arms races and a much more dangerous world."

The United States signed the pact in 1996, and Clinton submitted it to the Senate for ratification the following year. It has languished there since, largely because of opposition from powerful Republicans, including Majority Leader Trent Lott (R-Miss.) and Foreign Relations Committee Chairman

Jesse Helms (R-N.C.).

Conservative Republicans oppose the treaty, much as they have resisted other arms-control conventions, in part because they are convinced that other nations will circumvent its restrictions, leaving America at a disadvantage.

In another move aimed at reducing proliferation, Berger announced Tuesday that the United States has imposed economic sanctions against three Russian institutions accused of assisting Iran in its quest for weapons of mass destruction.

The trio — the Moscow Aviation Institute, the Scientific Research and Design Institute of Power Technology and the D. Mendeleev University of Chemical Technology — reportedly have supplied Iran with technology and training that could be used for weapons development.

White House spokesman David Leavy said Clinton will make "a forceful presentation" for ratification of the test ban treaty during his State of the Union speech later this month. Senior members of Clinton's foreign policy team will then try to increase pressure on the Senate by pushing for ratification in speeches and in testimony on

Capitol Hill.

"The message will be that not to ratify would damage national security," Leavy said.

But in a speech Tuesday to the conservative Heritage Foundation in Washington, former Vice President Dan Quayle underscored the opposition to ratification, calling on the Senate to reject the pact.

With polls showing public support for a test ban running as high as 75 percent, however, there are signs that congressional Republicans risk ending up yet again on the short end of a fight with Clinton in the court of public opinion.

The urgency for ratification increased last year after nuclear tests by longtime foes India and Pakistan raised the prospect of a regional arms race in one of the poorest, most densely populated parts of the world.

Berger said the administration is pressing for ratification by next September, the date of a planned inaugural conference among the nations that have signed the treaty. Because only those nations that have ratified the pact can make decisions at the conference, failure by the Senate to act would leave the United States on the sidelines.

Dissenting Army Officers Are Arrested by Mexican Military

By James F. Smith

LOS ANGELES TIMES

MEXICO CITY

Faced with an embarrassing mini-mutiny, the Mexican military has opted for a hard-line approach to dissent, jailing five army officers on sedition and insubordination charges for leading the first organized protest by Mexican soldiers in modern memory.

The arrests Monday followed repeated public demonstrations by members of the "Patriotic Command to Raise the Consciousness of the People" since the group of about 50 officers first emerged Dec. 18 with a march down Mexico City's main boulevard.

The leader of the group, Lt. Col. Hildegardo Bacilio, was also charged but evaded arrest and

remained in hiding Tuesday. His organization, meanwhile, protested that the arrests "reflect the abuses of authority that are committed constantly by high functionaries of the Ministry of Defense."

Mexico's armed forces, unlike those in some Latin American countries, have consistently stayed loyal to the government since the ruling Institutional Revolutionary Party, or PRI, first won power in 1929. In return, the government has largely left the military to run its own internal affairs, including discipline.

Roderic Ai Camp, a specialist in the Mexican military at Claremont College, said the arrests "obviously reflect a hard-line attitude" by the Mexican military command. "They have really been very orthodox in their attitude, (and) they want to

send a very tough message that anyone who goes out into public and makes statements critical of military policies is going to be dealt with in a severe manner," he said.

But Camp added that, while the dissidents appear to have little support, some of the issues they are raising, such as unfair and outmoded military justice, "do resonate with other military officers — and that's what makes this so important."

The public protests sparked major debates in Mexico over the military and its relationship with civil society in an era of increasing openness.

In announcing the charges Monday night, the military prosecutor general's office said five lieutenants were consigned to the military prison in Mazatlan on the Pacific coast.

WEATHER

Weather on a Hair Line Trigger

By Greg Lawson

STAFF METEOROLOGIST

An overhead front is being held stationary by two out of phase high pressure systems, one to the northwest of the front up in Ontario and Quebec, the other to its southeast out over the Atlantic east of the Delmarva area. The front is the leading edge of a large trough of very cold air which originated in western Canada. As the edge is held stationary it will be able to support small waves propagating northward on it, much like a taunt guitar string. One such wave is now rapidly approaching the northeast, and a broad low over Texas will soon likely feed the front another wave. Predicting whether these short waves will bring us snow is a delicate matter of predicting the pull-and-tug effects of the two highs on the front — a matter of a few hundred kilometers could make all the difference.

The National Weather Service is officially forecasting an 80% chance of precipitation for today, with accumulations of snow around one or two inches. I believe that there will definitely be snow in the afternoon, but no more than an inch, and perhaps some light rain in the morning. As the high out over the ocean drifts eastward and as the Canadian high is pushed eastward, the stationary front will begin to slowly drift southeastward, ensuring we will be on the cold side of the trough. Temperatures will drop steadily during the day tomorrow leaving us with a blustery night and a frigid Thursday. The second short wave will arrive Thursday evening sometime and threatens yet more snow. It may only be rain, however, thanks to the Canadian high passing to our north and bringing in relatively warmer air from off the ocean with its easterly winds. The easterly wind will help to warm things up a bit on Friday and hopefully bring us a less active weekend.

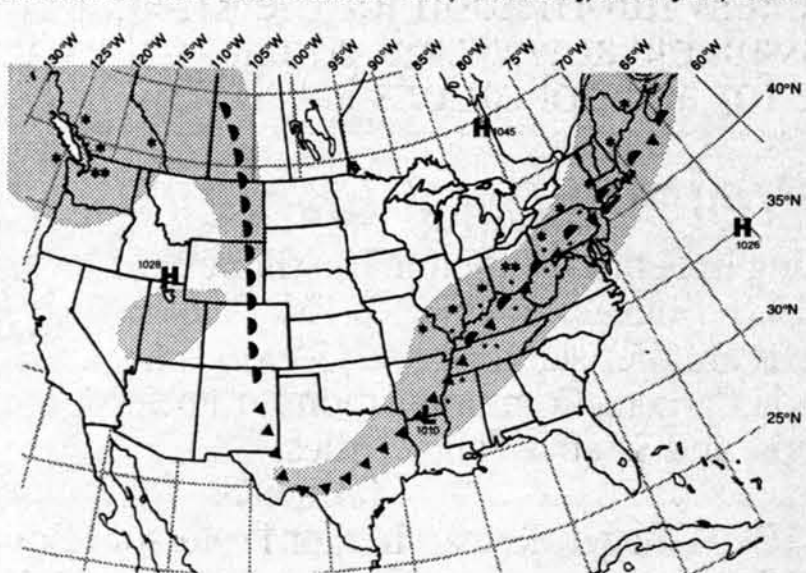
Wednesday: Temperatures dropping. Light rain in the morning giving way to snow in the afternoon. Accumulations of an inch at most. Northerly winds with speeds increasing through the day. High early on of 37°F (3°C).

Wednesday Night: Blustery. Snow will stop, but persistent winds to continue. Bone-chilling low of 14°F (-10°C).

Thursday: Frigid. Winds shifting to northeasterly. Chance of snow throughout day, but most likely in late evening. High of only 21°F (-6°C), which is also the nighttime low as a warming trend begins.

Friday: A bit warmer. Snow or rain will slow and stop. Easterly winds. Highs in the low 40s (5-7°C).

Situation for Noon Eastern Standard Time, Wednesday, January 13, 1999



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	--- Trough	Snow	☁ Fog
L Low Pressure	— Warm Front	Light	⚡ Thunderstorm
S Hurricane	▲ Cold Front	Moderate	☁ Haze
	▲ Occluded Front	Heavy	
			Compiled by MIT Meteorology Staff and The Tech

Clinton Makes Final Payout in Jones Sexual Harassment Suit

By Peter Baker
THE WASHINGTON POST

WASHINGTON

President Clinton sent an \$850,000 check to Paula Jones on Tuesday, finally closing out the sexual harassment lawsuit that continues to imperil his presidency — and in a surprise move, financed nearly half the settlement with his own money.

To come up with the funds he agreed to pay two months ago, the president had to take \$375,000 out of a blind trust containing investments for him and Hillary Rodham Clinton. The other \$475,000 came from a separate deal with an insurance company that funded part of his legal defense and agreed to buy out the president's personal liability policy.

The decision to use personal money — most of it made by the first lady, who has been the family's

major breadwinner during his 25-year political career — was a painful reversal for the president, who agreed to settle the case after being told by advisers that they would be able to come up with the cash independently. "When all is said and done, not a penny will come out of his pocket," one such adviser vowed the day the deal was sealed in November.

But in the intervening weeks, Clinton's lawyers discovered they could not tap his legal defense fund because it was restricted to paying attorney fees and expenses. They also failed in efforts to pressure another insurance company into a separate buyout.

With opening arguments starting Thursday in his impeachment trial on charges that he lied under oath and obstructed justice in the Jones case, Clinton concluded in the past two weeks that he faced enough

political trouble without provoking new criticism by agreeing to accept loans or outside donations from wealthy friends.

"It would raise a lot of issues," said a Clinton confidant who asked not to be named. "In the present environment, it's just better to go ahead and pay it and be done with it."

Clinton settled the case after 4 1/2 years of legal battling that went all the way to the Supreme Court and ultimately led to the evidence-gathering process that uncovered his affair with former White House intern Monica S. Lewinsky and to the chain of events culminating now in the Senate.

Jones accused Clinton of luring her to a Little Rock, Ark., hotel suite during a state conference May 8, 1991, when she was a \$4.93-an-hour state clerk and he was governor of Arkansas.

U.S. Supreme Court Blocks State Move to Restrict Ballot Initiatives

By Joan Biskupic
THE WASHINGTON POST

WASHINGTON

The Supreme Court on Tuesday struck down a state's aggressive effort to regulate ballot initiatives, in a decision extolling the free speech rights of people who circulate such petitions and sending a strong warning to legislators who try to rein them in.

In a split decision, the justices rejected Colorado's requirements that people who circulate petitions wear identification badges, be registered voters in the state and be subject to requirements on how much they were paid to collect signatures.

The decision is likely to be carefully evaluated by states lawmakers around the country who have been overwhelmed in recent years by a

flurry of ballot initiatives designed to buck the political status quo. The initiatives are permitted in 24 states and Washington, D.C., and have been used to rewrite state laws governing everything from term limits and tax caps to gay rights and the legality of assisted suicide.

But as the populist tool has developed into a multi-million-dollar industry dominated by professional firms and powerful national lobbyists, states increasingly are trying to devise ways of regulating the process. And Colorado, which has seen an abundance of initiatives on the ballot this decade, has been at the forefront of that effort.

In their decision Tuesday, the justices made clear that regardless of how commercialized the process has become, they still view the initiatives as an important form of free

speech. "The First Amendment requires us to be vigilant ..." Justice Ruth Bader Ginsburg wrote for the court, "to guard against undue hindrances to political conversations and the exchange of ideas."

Chief Justice William H. Rehnquist dissented from the ruling entirely. Justices Sandra Day O'Connor and Stephen G. Breyer dissented only on the portion of the opinion striking down voter registration and financial disclosure requirements.

Dissenting justices, as well as a Colorado official, warned that the ruling would make it harder for states to protect the integrity of petition drives. But advocates of the process said the decision safeguards an important access that citizens have to the political process.

Netanyahu Relaxes Fiscal Controls

LOS ANGELES TIMES

JERUSALEM

After more than two years of tight fiscal control over the Israeli economy, Prime Minister Benjamin Netanyahu has decided that it is time to loosen the economic reins and boost spending on popular social programs.

The decision is not sudden, the prime minister insists. And it has nothing to do with his battle to win re-election May 17, he says.

But Israeli opposition leaders and political commentators said Tuesday that Netanyahu's recent reversals — supporting legislation to provide free nursery school for 3-year-olds, for instance, and rejecting a proposal to cut benefits to senior citizens — are blatant election-year economics. And they're crying foul, charging that Netanyahu, who acts as his own finance minister, is trying to buy votes.

"He is changing his policy totally from positions that he took only two or three months ago," said senior Labor Party legislator Avraham Shohat, who served as finance minister under the previous, Labor Party-led government. "The cost is going to be billions of shekels to the state, only because he wants to be elected again."

The subject was the topic of the day Tuesday for many Israeli radio talk shows, with callers hotly debating the merits of candidates trying to pour money into an election-year economy. But not many appeared to believe that the promised benefits will actually materialize.

U.S. Supreme Court Dismisses Suit Over Israeli Airline Security Search

NEWSDAY

WASHINGTON

The Supreme Court Tuesday threw out a lawsuit brought against El Al Airlines by a New York woman who claimed she suffered emotional trauma from a security search by airline personnel.

In an 8-1 opinion, the court sided with the Israeli government-owned airline and ruled that an international treaty, known as the Warsaw Convention, governs air carrier liability for international flights and bars state court claims such as that brought by Tsui Yuan Tseng, a hospital clinical nutritionist.

She sued the airline over an incident on May 22, 1993, when she checked in for a flight to Tel Aviv. She said she was taken to a security area and treated as a "high-risk" passenger, confined for more than an hour, questioned and touched inappropriately by a female security officer who searched her. No contraband was found, and she was allowed on the plane.

Tseng later testified that the search caused her to be "emotionally traumatized and disturbed" throughout her vacation and that she required medical and psychiatric treatment upon her return.

She sought \$5 million in damages in her state court suit. The airline got the case moved to federal court, where a U.S. District Court judge dismissed it, saying the Warsaw Convention precluded such claims. The 2nd U.S. Circuit Court of Appeals held, however, that she could sue under state law because the treaty applied only to bodily injury.

The Supreme Court's decision Tuesday reversed the circuit court. "We hold today that a passenger may not recover damages under another source of law when the convention excludes recovery," Justice Ruth Bader Ginsburg said for the court.



Graduate Student Council

OFFICE: Walker Memorial, 50-220

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EMAIL: gsc-request@mit.edu

WEBSITE: www.mit.edu/activities/gsc

Spring Welcome Social - Feb. 4

5 - 7 PM IN 50-220. Come meet other graduate students and enjoy free food and drink. Proper ID is required.

Spring/Summer 1999 Travel Grant

The new information for the Travel Fund applications is available at www.mit.edu/activities/gsc. The deadline for all applications is Feb. 2, 1999.

Professional Development Series

Coming in February. Seminars will be held in the Hulsizer Room in Ashdown House from 3:30 - 5 PM. The first seminar is Feb. 10 and there is another seminar every Wednesday until April 28. Topics include Careers, Communication for Professionals, Working in Groups, and Science Policy Issues.

CAREERS:

Feb. 10 Manager, Researcher, or Professor (Lloyd Baird, BU)

Feb. 17 Self-Assessment (Hannah Bernstein & Elizabeth Reed, CSPA)

Tickets are sold out for the Bruins/Islanders game and for the ski trip to Smuggler's Notch.

Calendar

- 01 02
- ▶ JANUARY
- 18 - Graduate Student News Published
- 19 - Housing & Community Affairs meeting*
- 20 - Academics, Research, & Careers meeting*
- 29 - 31 - Smuggler's Notch Ski Trip
- ▶ FEBRUARY
- 01 - Graduate Student News Published
- 03 - General Council Meeting *
- 04 - Spring Welcome Social, 5-7 PM, 50-220
- Bruins vs. Islanders Game, meet in 50-220
- 08 - Activities committee meeting *
- 09 - Publicity committee meeting *
- 10 - Professional Development seminar,
3:30 - 5 PM, Hulsizer Room, Ashdown

* = at 5:30pm in Room 50-220. All graduate students are welcome. Food is provided.

OPINION

I is for Independent

Independent Activities Period started in 1971 to promote two major goals: to give students a breather from the stressful academic year, and to broaden students' perspectives through the pursuit of activities not necessarily tied to their major. Unfortunately, over the past several years IAP has shown a disturbing trend toward regular academics and away from the truly independent activities it was intended to promote. *The Tech* believes that MIT's administration and faculty should take steps to make IAP more exploratory and more independent of the regular-term academic curriculum.

Academic departments should not exploit IAP as a time to jam more required subjects down the perennial Institute firehose. For example, in Course VIII and an area of Course XII, students are required to take subjects over IAP that are not offered during the regular academic term. Examples of these subjects include Classical Mechanics II and Introduction to Weather Forecasting.

Students in such departments have no choice but to remain at MIT and commit January to coursework. IAP is the ideal time for students to branch out from their regular academic work into

fields they might not otherwise have time to explore. This exploration may very well include academic subjects; students can use this period to check out subjects off the main track of their majors and may pick up a few useful credits. Students should also be encouraged to devote IAP to non-academic activities. In addition, students can interact at a more personal level with MIT faculty, who have more free time than usual.

Departments that would like students to do more coursework for their majors should offer those courses during the academic semesters as well. An excellent example of such a course is the ever-popular 10.001, Introduction to Computer Methods. That way, students that who value booksmanship can devote their off-month to more coursework, and students who value a diversity in education can broaden themselves.

IAP has helped to broaden the perspectives of a generation of MIT students. This unique period should not be robbed of the ability to provide an important and disparate supplement to the rest of MIT. It is unfortunate and sad that certain departments would prize the fulfillment of students' majors over the diversity of education that IAP promotes and was intended to promote upon its creation three decades ago.

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Letters to the editor are welcome. Electronic submissions are encouraged and may be sent to letters@the-tech.mit.edu. Hard copy submissions may be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure who to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. *The Tech* can be found on the World-Wide Web at <http://the-tech.mit.edu>.

The Late Great Era of the Game Show

Which Sodium-Chloride Compound Sits on your Table?

Eric J. Plosky

Why are episodes from the 1983 season of "Wheel of Fortune" so much more fun to watch than first-run episodes?

Because of the width of Pat Sajak's lapels and the color of his vests (yes, vests) — and the similarly hilarious apparel and Loni Anderson hairdos of Vanna White and the contestants.

It's a trip to watch old television game shows, as I discovered while parked on my couch at home during winter break. Somehow I clicked my way to Channel 83, the Game Show Network, which runs decades-old episodes of such crusty classics as "The Match Game," "To Tell the Truth," "What's My Line?" "The \$25,000 Pyramid," and "Card Sharks."

At first, I derided the concept of a network devoted strictly to reruns of obsolete game shows. But, to my amazement, these shows are genuinely entertaining — not as standard TV fare, but as a novel sociological window on American culture.

Want to take the game-show approach to learning about American culture? There's an easy method. First, on a week-day morning at 11:00 a.m., watch "The Price is Right" on CBS, hosted by the ancient and increasingly frail Bob Barker.

Barker, astonishingly, has been on the show for all of its 26 seasons. That's right, "TPR" premiered in 1972. It's the only survivor of the game show era; the losers, from "Blockbusters" to "Family Feud," ended up on the Game Show Network.

The sets and schtick of "TPR" haven't changed in 26 years; in addition to Barker, one of the models has stuck with the show for its entire run. But looking at other current game shows, like "Wheel of Fortune" and "Jeopardy!" (both in syndication), you can observe another phenomenon — the game show that changes with the times. "Wheel" has long since dispensed with the rotating blocks; Vanna now pushes illuminated buttons to reveal letters. And the question board on "Jeopardy!" has metamorphosed over the

years into various glaring, flashing incarnations meant to communicate the show's awareness of changing fashions.

Once you're familiar with modern offerings (disregard such garbage as the new "Dating Game," despite the presence of game-show oracle Chuck Woolery), check out the Game Show Network. If you're in for the full experience, you can shoot all the way back to the 1950s with shows like the original "To Tell the Truth." I recommend concentrating on the game-show-rich 1970s — the scenery, wardrobe, dialogue and mannerisms are all guaranteed to satisfy.

The contestants' banter is unrehearsed. These people, despite going through the networks' selection process, appear utterly unprepared for national television exposure.

So much the better, and funnier! For instance, it is impossible to imagine Gene Rayburn, host of "The

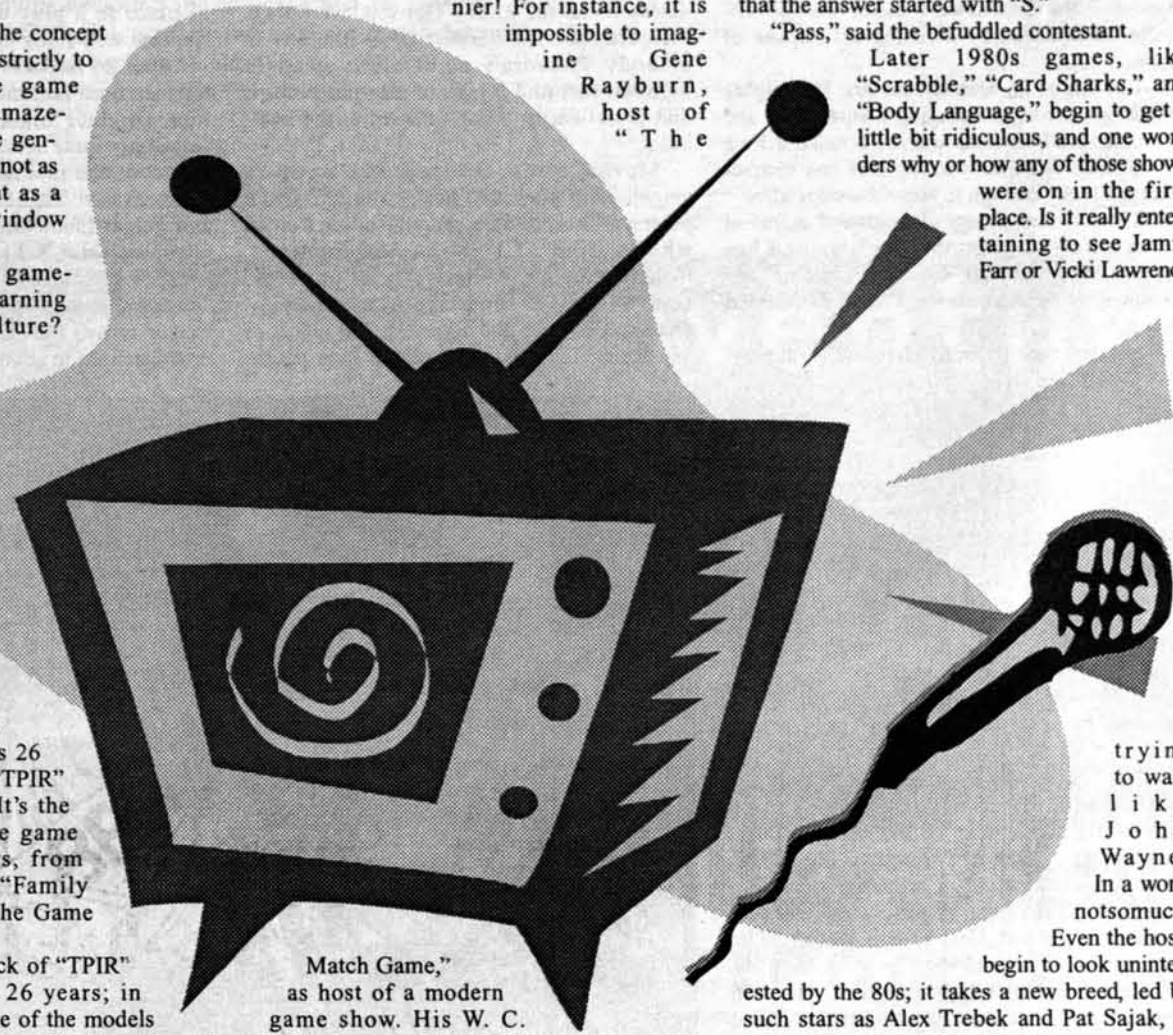
Many shows feature celebrities; some feature only celebrities, and one wonders what the point is. I saw Alan Alda, panelist on a 197x episode of "To Tell the Truth," win a plastic shopping cart with his name imprinted on it. Why? On "Tattletales," celebrities play a sort of "Newlywed Game," but don't seem to win anything. The concept of featuring working-person contestants seems to have been resurrected from its 1950s ashes only after a considerable amount of celebrity dabbling.

Maybe networks were keen to keep regular people off their shows because most regular people are idiots.

This was nicely illustrated by an episode of "Blockbusters" I saw, in which the contestant was asked, "Which sodium-chloride compound sits on your table?" and was also told that the answer started with "S."

"Pass," said the befuddled contestant.

Later 1980s games, like "Scrabble," "Card Sharks," and "Body Language," begin to get a little bit ridiculous, and one wonders why or how any of those shows were on in the first place. Is it really entertaining to see Jamie Farr or Vicki Lawrence



Match Game,"

as host of a modern game show. His W. C. Fields impressions are frequent and pathetic. Richard Dawson on "Family Feud," though apparently suave for his time, is slimy by 1990s standards; he talked down to and kissed all the female contestants. Only Dick Clark, of "The \$25,000 Pyramid," is as I remembered him, interchangeable (except for clothes) with the Clark who reports from Times Square each New Year's Eve.

trying to walk like John Wayne? In a word, notso much. Even the hosts

begin to look uninterested by the 80s; it takes a new breed, led by such stars as Alex Trebek and Pat Sajak, to restore vitality to the industry.

The game show is largely gone today, replaced to some extent by so-called "reality TV" featuring real-life cop-and-robber chases. Maybe in twenty years future sociologists will glean as much information from Fox's "COPS" and "Worst High-Speed Wrecks VII" as I have from watching bell-bottomed, polyester-clad yuppies trying their luck on the Game Show Network.

Downhill, Again

Naveen Sunkavally

Blunder after blunder, the U.S. policy towards Iraq has taken another downturn, and the ego of the petty tyrant with grand ambitions is higher than ever.

This past week, U.S. officials confirmed that the United States has, for the last three years, monitored Iraqi intelligence activity through devices planted under the guise of the United Nations Special Commission. According to *The New York Times*, officials say that UNSCOM leader Richard Butler authorized the United States to lead its espionage operations, though Butler denies those statements vehemently. Now America is back-peddaling as members of the United Nations are expressing reservations about U.S. involvement in Iraq, and the opportunity to depose of Saddam looks scarcer than ever.

First, the announcement calls into question the motives behind President Clinton's decision to launch air strikes against Iraq on the eve of his impeachment. At that time, White House officials stated that Clinton's decision was based on the arrival only one or two days before of UNSCOM's report about Iraqi cooperation. At the time, not-so-credible senators such as Trent Lott openly questioned the timing of the U.S. attack. Now, it seems that Clinton indeed may have had some underhanded dealings with UNSCOM to have it release the report right before impeachment. Wag the dog? Given Clinton's not-so-credible track record, I suspect the

worst. Whether it's Osama Bin Laden or Saddam Hussein or the Republican party, Clinton's got an army of villains to take the fall for his faults. What's more, at this point, it's not even clear if the U.S. air strike succeeded.

In addition, with the discovery that the United States has been, in effect, running UNSCOM, Saddam Hussein has completely

Whether its Osama Bin Laden or Saddam Hussein or the Republican party, Clinton's got an army of villains to take the fall for his faults.

closed off any foreign inspections in his country. His long-held statement that UNSCOM is plagued with U.S. spies has turned out to be valid after all, and it provides the Iraqi press machine another way to brainwash the masses. More importantly, the chief communications and negotiation channel between Iraq and the rest of the world has now disappeared. Saddam can now without scrutiny build up a massive biological and chemical weapons arsenal.

On the flip side, with relations between Iraq and the United States even more distant, the

United States will now have a hard time generating an excuse to launch a ground strike to overthrow Saddam. With no weapons inspectors for Saddam to throw out, how can America get rid of Saddam? America should have launched a ground strike in December.

The U.S. co-option of a world council to press forth maneuvers of its own interests jeopardizes America's relations also with the rest of the world. While no one wants to see Iraq continue its arms program, more and more countries are actively coming out in opposition to the hard-line U.S. stance and are advocating lifting sanctions against Iraq. Malaysia and Denmark have asked for sanctions to be redone. France has drafted a proposal to end the oil embargo against Iraq. Russia has called for the dismissal of Butler, and Britain, our comrade in arms against Iraq last December, has stated a new inspections program is necessary. Butler himself has hinted numerous times that he will step down. As the U.S. position gets weaker and weaker, Saddam's positions simply gets stronger and stronger.

It's amazing in the first place that a single member country can so monopolize a council. It is not surprising that the United States would dominate UNSCOM, since Washington is often the pipeline for U.N. committees. However, ever since the creation of UNSCOM, it has been largely understood by the American public that UNSCOM is an independent body. Recent news once again adds to the long line of fiascos the Clinton administration has undertaken. Both domestically and internationally, America can only be ashamed.

Stuck on Magnetic Poetry

Guest Column
Veena Thomas

My sister didn't get me anything last Christmas. When you're fourteen, it's a little hard to find transportation in order to shop for presents. Instead, she gave me some money, and told me that I could use it as a sort of all-applicable gift certificate to buy myself anything I wanted. After looking around the mall for hours, something caught my eye: a small box filled with words.

A magnetic poetry kit? I had scoffed at these: Who would spend twenty dollars for a little box with even smaller words inside that could be stuck to a refrigerator? Heck, if I wanted, I could write words on little pieces of paper and tape them up to my refrigerator. I'd save myself a lot of money.

But the day after Christmas, I felt a lot less cynical, and quite willing to spend someone else's cash. Besides, it's always fun to spend gift money on something that you would not usually buy yourself.

So a few minutes later I left the store with my brand-new magnetic poetry kit, trying to decide whether I had just blown twenty bucks. When I got home, I immediately started to arrange the words on the refrigerator. Nope, Mom said, the magnets might scratch the fridge. And the poetry box warned, "Poetry can be digested figuratively, NOT literally. Be careful not to swallow these words especially if placed on a refrigerator where they might fall or get knocked into something you plan to eat."

I ended up buying myself a cookie sheet and arranging all of the little words on it. For the next few days, the tiny magnets consumed my life. Never before was I one to write poetry in my spare time, but with a lot of words in front of you, it is easy to look at them and arrange them into something serious, humorous, beautiful, or whatever fits your mood.

The words in a poetry kit include the basics: he, she, the, and, it; but they also cover the poetic: eternity, vision, bitter, worship; and they even venture in to the bizarre: sausage, manipulate, luscious, rust. It's amazing how having words in front of you opens up so many possibilities, eliminates mental blocks, and causes you to think in strange ways. Somehow I found myself writing beautiful (in my opinion) poetry about raw sausage.

For twenty dollars, I had bought myself a little psychiatrist in a box. Sure, it couldn't talk back, but sometimes a therapist just provides an opportunity for people to talk about how they feel and reflect upon their inner thoughts. Poetry provides the same kind of release. And how many other psychiatrists can be carried around on a cookie sheet?

Upon encountering magnetic poetry on a refrigerator, or on a cookie sheet, it is difficult not to fiddle with the words in an attempt to create Pulitzer-winning poetry or prose, or at least something worthy of being displayed for others to see. One day I came into my room only to see that my sister had contributed her own addition to my cookie sheet: "I lather apparatus and recall drunk easy gorgeous him."

A few months ago, Harvard Square had a poetry project. A large magnetic board with several poetry kits on it was set up in the square. People were free to create their own poetry by rearranging the words in any way they saw fit. Every week, whoever was in charge of the project would choose one poem and attach a plastic board over it with the words "poem of the week" on it so that the words could be preserved for others to see. Instead of randomly scribbling initials on a wall, people have the opportunity to contribute something positive to society, something entertaining, and something that others can appreciate.

My initial reluctance at spending twenty dollars on my magnetic poetry kit was unfounded. Magnetic poetry allows anyone to write spontaneous poems without the fear or intimidation that often accompanies writing poetry. If it takes magnets to reintroduce society to the wonders of poetry, then so be it. Or, in the words of my poetry kit, "It is time to think about how to produce true meaning without elaborate language."

Veena Thomas is a member of the class of 2002.

THE ARTS

THEATER REVIEW

Phaedra

Diamond Strikes Gold

By Bence Olveczky

STAFF REPORTER

American Repertory Theatre,
64 Brattle Street, Cambridge
547-8300

January 14, 8 P.M.

\$23-55, student discount available

There is something strange and disturbing about Greek men; the ancient mythical ones I should hasten to add. Many of these seemingly heroic figures have a bizarre fancy for their mothers — or vice versa. First it was Sophocles' Oedipus who longed for maternal love in a far too literal sense, then Euripides turned things around by authoring the story of Phaedra, a Queen consumed by passion for her own stepson, Hippolytus.

It was the tragic heroine's destiny in the latter of these incestuous affairs that served as substrate for 17th century French playwright Jean Racine's "Phaedra," now revived in a compelling production by The American Repertory Theatre.

During his life Racine was torn between sensual pleasures and monastic virtues. He

used Euripides' drama, about a tormented Queen hopelessly in love with her stepson, to portray the contradictions we encounter when our passions and desires defy our moral convictions.

Phaedra's tragedy is that she recognizes her desires as sinful and wrong, but is unable to quell them. In a momentary lapse of reason, precipitated by her husband's disappearance and presumed death, she confesses her love to her young and handsome stepson. Rejected by Hippolytus and faced with the return of her husband, the devastated Phaedra tries to salvage the situation by accusing her stepson of rape.

But this is ancient Greece and the mighty Gods get involved, bringing a sure curse and ensuing death in their wake. To make a long story short it suffices to say that few characters are lucky enough to leave the stage alive.

There is thus plenty of death and drama in "Phaedra," but director Liz Diamond has wisely chosen to tone down the external happenings to concentrate on Phaedra's internal struggle.

Set designer Richard Hernandez' expres-

sive copper tiled walls move in on Phaedra, imprisoning her in a claustrophobic space symbolic of her trapped soul. The distorted reflections coming off the shiny copper tiles suggest pain and agony, while the eerie music and the subtle lighting serve to illustrate Phaedra's mood shifts and inner turmoil.

The costumes, superbly designed by Catherine Zuber, are an artistic achievement in their own right. Phaedra's blood-red dress with its golden ribbons and Hippolytus' cream colored outfit work well both as symbols of passion and innocence, and as decorative elements on a stage where the costumes provide the only color. As far as esthetics goes, this production is a rare treat.

But the production's main strength is also its main weakness. Liz Diamond's beautifully conceived theatrical setting is stylized to the point of abstraction, making it difficult for the actors to fit in. Randy Danson, who plays Phaedra, has the hardest task. She has to embody Phaedra's ambivalent struggle between lust and logic, an internal process that is not easily communicated to the audience.

Moving across the stage like an opera singer, with slow and heavy steps, Danson portrays Phaedra as a sad and bitter woman who is tired of fighting her emotions. Considering the complexity of her task, Danson does a superb job in conveying Phaedra's distress and anxieties. The object of her desire, Hippolytus, is played with youth-

fulness and vigor by Benjamin Everett, while her husband, the confident but vulnerable King of Athens, is portrayed by the astute Jonathan Epstein. But the acting, however accomplished, never really blends in with Liz Diamond's simple and symbolic design.

Part of the problem may be Paul Schmidt's new adaptation of Racine's classic play. By translating Racine's verse into modern conversational English, Schmidt loses some of the distance that is ensured by older versions. We take things more literally when they are spoken in everyday language, but it comes at the expense of our ability to abstract from the actual story-line and enjoy the play as a parable, something that the highly stylized stage design invites us to do. It also doesn't help that Schmidt fills the text with monotheistic references like "Oh my God" and "God almighty" — phrases that seem strangely out of place in a play where Venus, Eros and Neptune are pulling the strings.

Make no mistakes; the slight esthetic dissonance does not make this a lesser production. Director Liz Diamond has managed something quite remarkable. Invigorating an important and profound classic with new life and relevance without making it seem forced and vulgar (something that happens all too often, even at A.R.T.) is not an easy task, and requires both artistic integrity and courage. "Phaedra" now showing at the Loeb Drama Center proves that Diamond possesses both these qualities in abundance.

CONCERT REVIEW

Billy Joel

Rock legend ...

By Satwiksal Seshasai

OPERATIONS MANAGER

He opened by saying, "Rumors of my death have been greatly exaggerated."

And from there, Billy Joel gave, as would be expected, a first class performance — perhaps for one of the last times.

Illness had forced rescheduling and many cancellations of concerts on what could be Joel's last national tour, leaving fans anticipating any concert that the famed musician actually performed. A sold out Hartford Civic Center crowd spanning at least three generations was on their feet the entire night in late December, appreciating their chance to see the great rock legend perform some of his greatest hits.

Joel set the stage by telling the audience his performance would be "a mix of some of

the old shit, and some of the new shit." While he hastened to apologize for "not having any new shit," his sensational mix of songs spanning three decades demonstrated why Billy Joel is one of the greatest rock musicians of our time.

The classically-trained pianist began his success with the song "Captain Jack" which led to the production of his breakthrough "Piano Man" album. Throughout his career Joel has been known for refusing to compromise his artistic integrity for commercial success, waiting until his fourth album "The Stranger" for financial fortune.

Joel kicked things off with the old favorite, "Allentown." As the concert rolled on, Joel went on to please the fans with "Scenes from an Italian Restaurant," "My Life," "Longest Time," "River of Dreams"



JANET HSIEH—THE TECH

Billy Joel...

and many of his other brilliant tunes. Joel displayed his ability to liven up the crowd when he demanded that they recite the words to "We Didn't Start the Fire" because he was feeling "a little rusty."

The most moving part of the concert was the performance of "Goodnight Saigon." Huge spotlights and sounds simulating a helicopter landing in the arena began the song about Vietnam which brought some audience members to tears.

The concert was complimented by Joel's ability to have fun while he performs. In addition to the many witty remarks he interjected between songs, Joel performed quite an impressive baton twirling act with his microphone stand.

A revolving stage, with three different

pianos at different levels allowed Joel to perform for every section of the crowd. Although this may be his last concert tour, Joel demonstrated that he still had the energy and talent that made him a legend.

A double encore ended the concert, with the fans not allowing Joel to leave without bringing out his harmonica and playing "Piano Man." His performance lived up to the legendary status his albums have given him.

Last year, Billy Joel announced that he would no longer be writing any pop songs and would concentrate on his classical scores. Fans can still catch his music at locations along the east coast this spring. If this is his last concert tour of his rock and roll career, Billy Joel will surely be missed.



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Four Students Are Awarded Marshall Scholarships

By Sanjay Basu
STAFF REPORTER

This year, MIT added four names to its ever-growing list of Marshall Scholars.

The Marshall scholarship, which gives recipients a full scholarship to the British university of their choice for two years, is awarded to students who demonstrate outstanding academic achievement and the capability to make significant contributions to society.

This year's Marshall scholars were Orli G. Bahcall '99, Valencia M. Joyner G, Yuka N. Miyake '99, and Paul T. Oppold '99.

Orli G. Bahcall

Bahcall, a biology major and political science minor, will attend Oxford University next year, where she will study the history of medicine. The child of two college professors, Bahcall said that she "learned to be driven internally — to be driven by a desire to satisfy myself rather than to satisfy others."

She acted upon that desire here at MIT as President of the Biology Undergraduate Student Association

and as a founding editor of the *Biology Undergraduate Journal*. Bahcall was also an associate news editor of *The Tech*, a teaching assistant in cell and molecular biology, and an intern at the National Institutes of Health.

Since her freshman year, Bahcall has conducted research in DNA replication. She plans to work in science and public policy.

Paul T. Oppold

Like Bahcall, Oppold will continue his education at Oxford where he plans to study medical and orthopedic engineering.

Oppold is currently president of the Undergraduate Association and a member of Pi Tau Sigma. He is also a member of the engineering honor society Tau Beta Phi.

At MIT, Oppold studied mechanical engineering. He helped design drug pumping machines at Medtronic, Inc. He also works at MIT's Newman Laboratory and recently designed a robotic therapy machine there.

"I hope to use my understanding, compassion and motivation to

include Oxford as a piece of my beautiful puzzle of medical inventions," Oppold said. Oppold was inspired to enter the medical engineering field by his brother Joe, who suffered and recovered from a cerebral aneurysm.

Yuka N. Miyake

Miyake is a Course 6 major and the co-president of the MIT Society of Women Engineers. Like Oppold, she is a member of Tau Beta Pi. She is also a member of Eta Kappa Nu, the EECS honor society.

As a freshman crew coxswain, Miyake used to ask her crew: "How much do you want to win?" "It is a question that I ask myself frequently as I challenge myself to proceed boldly in the face of difficult questions and insurmountable odds," she said.

Miyake worked at the MIT Precision Motion Control Laboratory last year and has also worked at the Wireless Semiconductor division of Hewlett-Packard Co., Intel Corp., and Rocketdyne, a division of Boeing Co.. She was named an Intel Woman

Science and Engineering Scholar National Science Foundation Fellow.

Valencia M. Joyner

Joyner is studying electrical engineering and computer science and will receive a Masters of Science degree this year. She is the only Marshall scholar planning to attend Cambridge University, where she hopes to obtain a doctorate in engineering. She would like to become a professor.

"I don't tend to think of myself as a brilliant student, but over the years I have come to fully recognize that every effort toward success is another opportunity for my community to shine," she said.

Joyner competes with the MIT equestrian team and participates in

both the Intervarsity Christian Fellowship and the Gospel Choir. She has been honored by Microsoft Corp., Citibank (now Citigroup Inc.), Intel Corp., and Toshiba Inc..

The Marshall scholarship was created in honor of former Secretary of State General George C. Marshall, as a gesture of thanks to the U.S. for aid given to Great Britain after World War II. Marshall scholars receive a full scholarship to the British university of their choice.

Students apply from five regions of the country, either from their college region or their home region. Applicants are then interviewed by a six-person panel at the British consulate. Students from MIT need at least a 4.7 grade point average to apply.

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launch celebration to introduce the residence system design team proposal process during IAP

lobby 10 and the Bush room, 10-105
3 pm

January 14-15

auxiliary team-building exercises

see web.mit.edu/residence/systemdesign/ for updates

January 19-23

a five-day IAP forum reinventing the residence system at MIT

McCormick dining hall

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damned for life
by Jessica



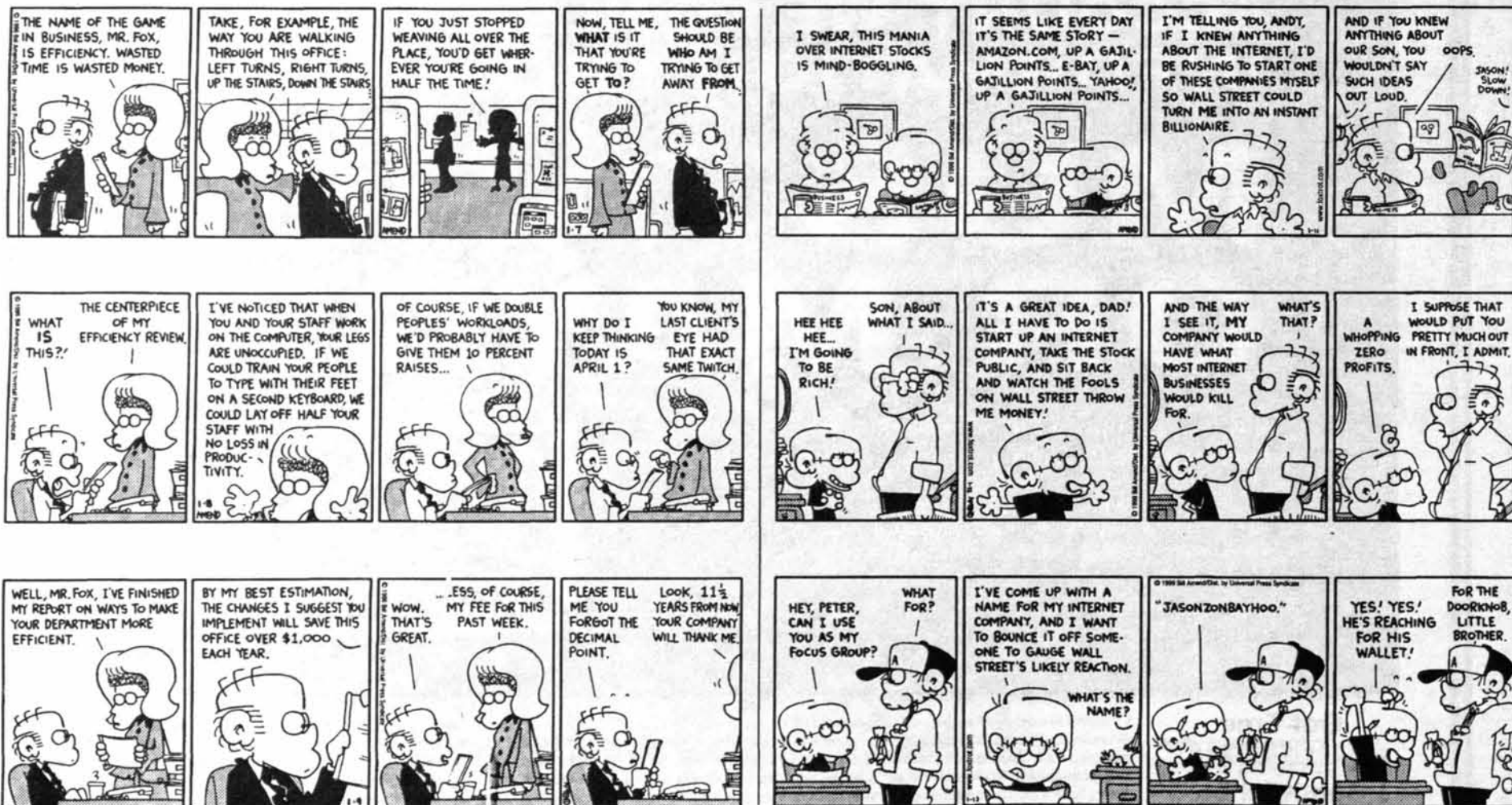
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TechCalendar

Visit and add events to TechCalendar online at <http://tech-calendar.mit.edu>

Wednesday's Events

8:30 a.m. - 5:00 p.m. - **Internet2: The Next High Performance Network for Higher Education.** A one day seminar on the technology behind Internet2, its history, and its future. 10-250. Sponsor: Academic Computing.

5:10 p.m. - **Weekly LEM Service and Supper.** Eucharist in the Chapel every Wednesday at 5:10 p.m., followed by a free fellowship supper and discussion in W11 at 6:15 p.m. Chapel and W11. Sponsor: Lutheran-Episcopal Ministry.

Thursday's Events

7:00 p.m. - **Scurrilous Songs.** Join us as we explore scurrilous songs from Period (c. 1000 to 1600 A.D.). Bring your sense of humour and fun, and come enhance your knowledge of bawdy Period pieces. 1-150. Sponsor: Society for Creative Anachronism.

Friday's Events

1:00 - 1:30 p.m. - **TechCalendar Workshop.** Learn how to enter lectures, lecture series and events into MIT's online guide to campus events. We'll demonstrate how to add, edit, delete and modify events in the system. 2-135. Sponsor: *The Tech*

5:30 - 7:30 p.m. - **List Visual Arts Center Opening Reception.** Alfredo Jaar: Lament of the Images; William Kentridge: Weighing . . . and Wanting; Kiki Smith: Recent Photographic. Up through March 28. List Visual Arts Ctr E15.

7:00 p.m. - 12:00 a.m. - **Party Sampler.** The ghosts of parties past have invaded Epsilon Theta. Come over and sing your favorite 80's songs in Portuguese while dancing on the bubble wrap around the Hanukkah Tree. ET (259 Saint Paul St.). Sponsor: Epsilon Theta.

7:00 p.m. - **The Hunt for Red October.** This adaptation of Tom Clancy's blockbuster stars Sean Connery, Alec Baldwin, and James Earl Jones. Virtually undetectable on sonar, the submarine Red October constitutes a deadly first strike weapon. 2 hours 15 minutes. Admission \$2.50. 26-100. Sponsor: LSC.

9:00 p.m. - **Potluck Performance Art Party.** AKA show+tell. Bring video, poetry, slides, anything to read, show, perform and/or consume. Admission 4.00. N52-115.

10:00 p.m. - **The Hunt for Red October.** This adaptation of Tom Clancy's blockbuster stars Sean Connery, Alec Baldwin, and James Earl Jones. Virtually undetectable on sonar, the submarine Red October constitutes a deadly first strike weapon. 2 hours 15 minutes. Admission \$2.50. 26-100. Sponsor: LSC.

Saturday's Events

11:00 a.m. - 5:00 p.m. - **Elizabethan Garb Workshop.** Create an Elizabethan doublet, and learn how to make a skirt or slops (knickers, pants). Please e-mail sca@mit.edu if you're coming, so we know to expect you. 20 Chimneys. Sponsor: Society for Creative Anachronism.

7:00 p.m. & 10:30 p.m. - **The Joy Luck Club.** The Joy Luck Club is a mah-jong club at which four well-to-do immigrant Shanghai women swap memories, recipes, and support. Vignettes reveal the lives of the four women in China. 2 hours 19 minutes. Admission \$2.50. 26-100. Sponsor: LSC.

8:00 p.m. - **Intra-rotational Analytical Probing: Roadkill Buffet.** Roadkill Buffet's IAP show, presenting serendipitous improv comedy. Our biggest show of the year has us sing and act based on your suggestions. Includes a mindblowing half-hour improvised

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play. 6-120. Sponsor: Roadkill Buffet.

Sunday's Events

12:01 p.m. - **Service at common cathedral.** Worship on Boston Common with people who live outdoors and people who live indoors. Make and share peanut butter and jelly sandwiches afterwards. Meet at W11. Sponsor: Lutheran-Episcopal Ministry.

2:00 p.m. - **Artist Talk: Kiki Smith.** The artist leads a discussion with slides, of her work in conjunction with the exhibit, Kiki Smith: Recent Photographic Work at the List Visual Arts Ctr. Bartos Theater.

2:00 p.m. - **Games and Play-Doh.** Games! Play-Doh! Puzzles! Fingerpaint! Chiii! We've got it all. Come play with our toys until the wee hours of the morning. Admission 0. ET (Saint Paul St.). Sponsor: Epsilon Theta.

7:00 p.m. - **The Hunt for Red October.** This adaptation of Tom Clancy's blockbuster stars Sean Connery, Alec Baldwin, and James Earl Jones. Virtually undetectable on sonar, the submarine Red October constitutes a deadly first strike weapon. 2 hours 15 minutes. Admission \$2.50. 26-100. Sponsor: LSC.

10:00 p.m. - **The Joy Luck Club.** The Joy Luck Club is a mah-jong club at which four well-to-do immigrant Shanghai women swap memories, recipes, and support. Vignettes reveal the lives of the four women in China. 2 hours 19 minutes. Admission \$2.50. 26-100. Sponsor: LSC.

Monday's Events

7:30 p.m. - **Yojimbo (1961).** Sanjuro, a wandering samurai, enters a rural town in nineteenth century Japan. Learning the town is divided between two gangsters, he plays one side against the other. Directed by Akira Kurosawa. 1 hour 50 minutes. Admission \$2.50. 10-250. Sponsor: LSC.

Tuesday's Events

6:30 - 9:30 p.m. - **Innovation Forum Series.** Inaugural event in a series launched and sponsored by the Lemelson-MIT Awards Program. Speaker, TBA, will talk about top-of-mouth issues in invention and innovation. Entire MIT community welcome. Media Lab-Bartos Theatre. Sponsor: Lemelson-MIT Awards Program.

8:30 - 10:00 p.m. - **Tarot Gaming Workshop.** Learn the card game of Tarot, then test your skill against other players. Decks will be provided, but bring your own if you can. Lobdell Dining Hall. Sponsor: Society for Creative Anachronism.

8:30 - 10:00 p.m. - **Tarot Gaming Workshop.** Learn the card game of Tarot, then test your skill against other players. Decks will be provided, but bring your own if you can. Lobdell Dining Hall. Sponsor: Society for Creative Anachronism.

Wednesday's Events

8:45 a.m. - 4:30 p.m. - **Athena 15th Anniversary Retrospective.** A celebration of Project Athena. A look at the past and a look forward to the future of academic computing and instructional technology at MIT. Panel discussions, videos, BOF's, Demos, Food, and Fun. 10-250 and environs. Sponsor: Academic Computing.

7:00 p.m. - **Animation Festival.** Animé, *School House Rock*, *The Nightmare Before Christmas*, *Bugs Bunny*... All your favorite animated films and some you've never heard of. ET (259 Saint Paul St.). Sponsor: Epsilon Theta.

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way everyone communicates, you have plenty to smile about. So if you agree that it's possible to have fun while doing interesting and creative work, Adobe may be the place for you. To learn more about opportunities at Adobe, visit the **Office of Career Services and Pre-Professional Advising** and sign up for an interview.

INFO SESSION

Tues, Feb. 9, 8:00 - 9:00 p.m.
Room 4-149, Killian Court

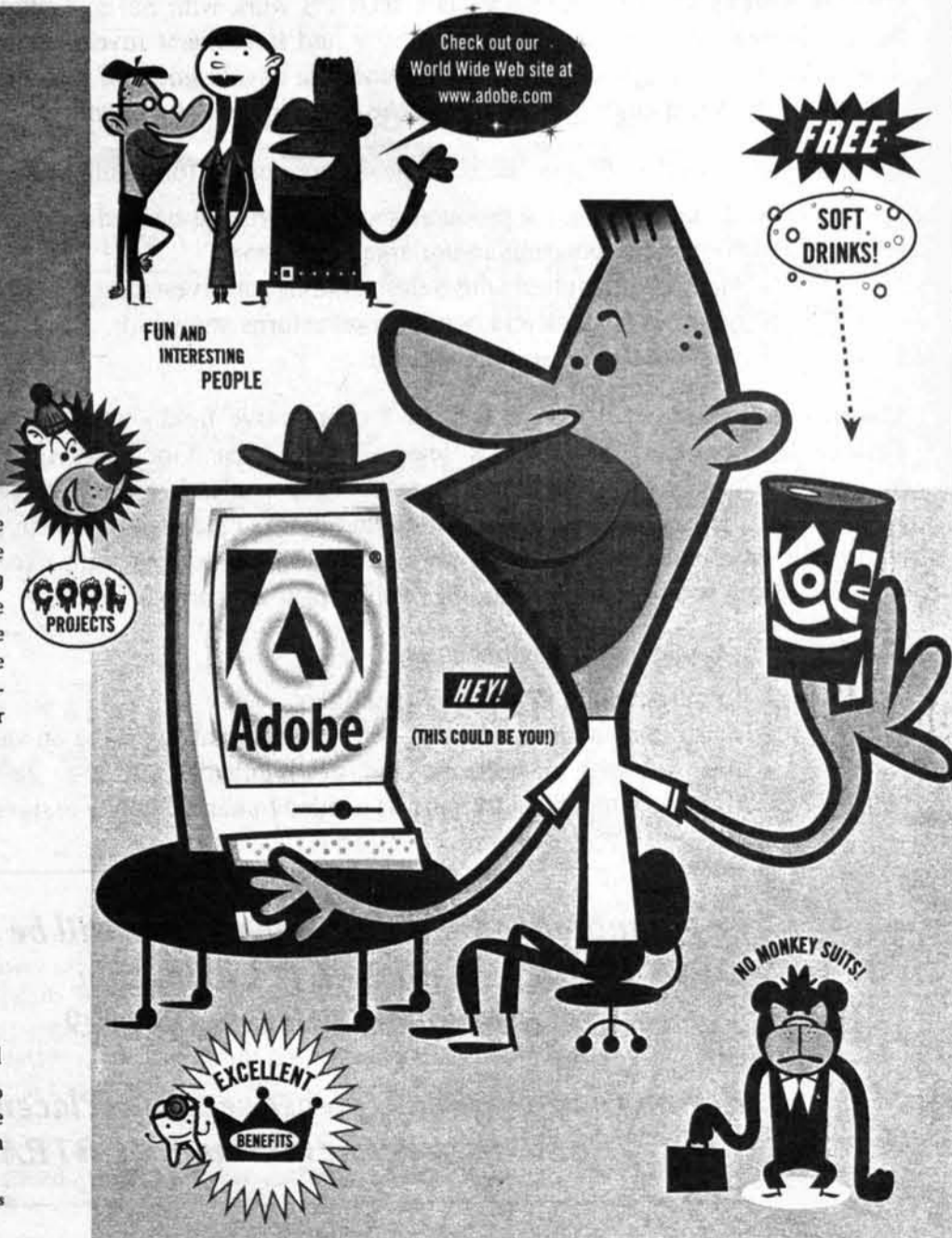
ON CAMPUS INTERVIEWS

Wed & Thurs, Feb. 10 & 11
Office of Career Services and Pre-Professional Advising

www.adobe.com/aboutadobe/employmentopp/college/main.html

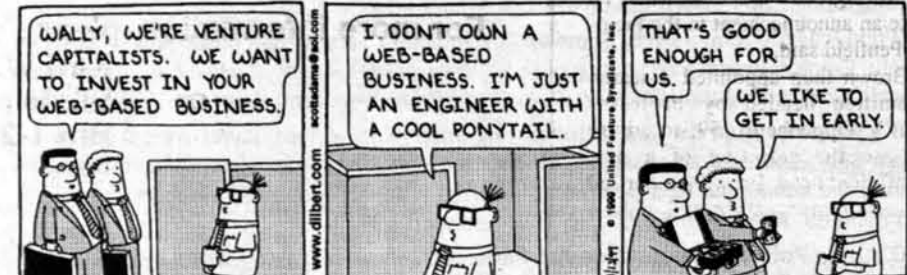
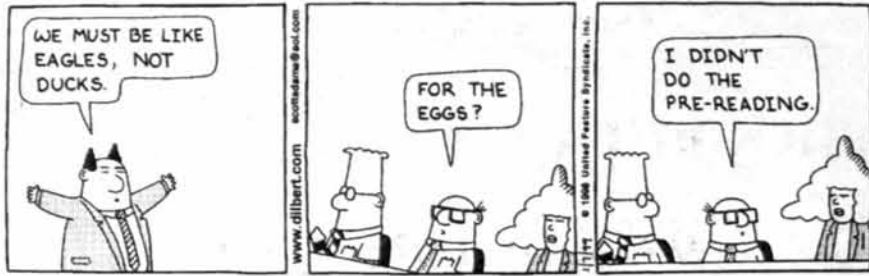
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by Scott Adams



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Salomon Smith Barney is an international investment banking firm that makes markets in securities and provides a broad range of underwriting, financial advisory and research services to governments, corporations, and institutional investors.

The **QUANTITATIVE RESEARCH GROUPS** work with Sales, Trading and Investment Banking to help Salomon Smith Barney clients quantify and implement investment, capital raising, hedging, and asset allocation strategies. This work includes the development of new theoretical models for securities valuation, statistical analysis of data, and the development of customized client presentations.

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Qualified candidates will have a B.S. in a quantitative field such as Computer Science, Engineering, Finance, Mathematics, Operations Research, or Statistics. Good analytical and computer skills (C/Unix preferable) are required. Because so much of the analyst's work involves direct interaction with the Firm's clients, strong interpersonal, writing and speaking skills are also important. While a background in finance or economics is helpful, we believe that an analyst with exceptionally strong quantitative skills can come to a deep understanding of the financial markets.

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For more information, please see your Placement Office to submit resumes through JOBTRAK

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Penfield To Teach 6.001

Penfield, from Page 1

Guttag seems to both take his new job seriously and treat it with a sense of humor. "The two most important jobs of a department head," he writes, "are attracting the best faculty and the best students. Once this is done, all that remains is to avoid turning a silk purse into a sow's ear."

The process for choosing new leadership for the EECS department began a year and a half ago when Penfield spoke with Provost Robert A. Brown, then Dean of Engineering, about stepping down.

"We agreed on a time when I'd make an announcement to the faculty," Penfield said.

Brown then appointed a search committee headed by Professor Alan V. Oppenheim '59, to advise him on the selection of a new department head. Brown announced the appointments at the end of June 1998.

Lozano-Perez replaced Guttag in the fall of 1998, but because Guttag and Reif asked that their new jobs begin in 1999, both Reif and Guttag will not assume their administrative responsibilities until January 15.

Penfield to create new course

Teaching 6.001 is only one of Penfield's new pursuits in undergraduate education. He is also taking the fall of 1999 to create a new freshman elective course, scheduled to be offered in the spring of 2000, with Professor Seth Lloyd of the Mechanical Engineering Department.

The new course will teach quantitative theory of information, as applied to computing, communications, thermodynamics, and possibly biology.

"The single most important idea in 8.01 is energy," Penfield said. "This course is going to do the same for entropy."

Professor Penfield has been on the MIT faculty since 1960. He served as associate head of EECS from 1974 to 1978 and as director of the Microsystems Research Center from 1985 to 1989. Penfield has been head of the EECS Department since 1989.

His research interests have included solid-state microwave devices and circuits, noise and thermodynamics, electrodynamics of moving media, circuit theory, computer-aided design, APL language extensions, integrated-circuit design automation, and computer-aided fabrication of integrated circuits.



ENGINEERING INTERNSHIP PROGRAM

ORIENTATION

Tuesday, February 2, 1999, 4-5PM, Rm (TBA)

To all SOPHOMORES in the departments of AERO/ASTRO, CIVIL, MATS. SCIENCE & ENG., MECHANICAL, NUCLEAR, OCEAN 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 a new 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, '85
or **Susie McClain**
Rm 1-211 / Tel: 253-8051 / eipstaff@mit.edu
<http://web.mit.edu/eip/www/>
SCHOOL OF ENGINEERING

DISCOVER COURSE 1

PUBLIC LECTURES

Wednesday, January 13

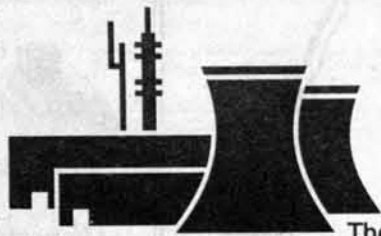
2-4 p.m.

Room 1-390

Want to hear about current, cutting-edge engineering projects? Let the faculty of the Civil and Environmental Engineering Department tell you how engineering is shaping your future.

Refreshments served.

Contact: Patricia Dixon, 1-290, x3-2335, patdixon@mit.edu



ARSENIC AND OLD WASTE

PROF. HAROLD HEMOND

2-3 P.M., ROOM 1-390

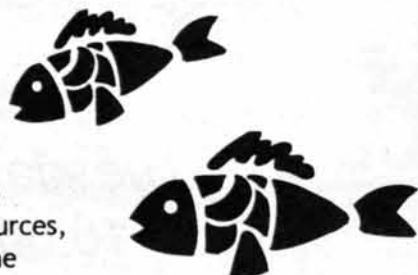
The events portrayed in the recently-released film, "A Civil Action", make reference to the contamination, by organic solvents, of city wells located in the Aberjona River valley. Yet, with a history of almost two centuries of industrial activity, the valley has become contaminated with many other chemicals as well. We will discuss other chemicals now present in the watershed of the Aberjona River, and focus especially on arsenic.

CAN OCEAN CO₂ SEQUESTRATION HELP PREVENT GLOBAL WARMING?

DR. ERIC ADAMS

3-4 P.M., ROOM 1-390

One option to help reduce the build-up of atmospheric greenhouse gases is to capture carbon dioxide from power plants, or other stationary combustion sources, and inject it directly into the ocean. Most of the CO₂ which we now put in the atmosphere enters the ocean anyway, but the so-called biological and dissolution pumps are very slow; direct injection could speed the process, short-circuiting the CO₂'s deleterious residence within the atmosphere. Would this be an effective strategy? In particular, (1) will the injected CO₂ remain in the ocean sufficiently long to justify the costs, and (2) will there be adverse impacts to the marine environment that offset the reduced atmospheric-terrestrial impact? We will summarize modeling studies which address these two issues, and describe an upcoming internationally sponsored pilot scale field experiment designed to help test the strategy.



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WED., 1/13/99, 5:30-6:30PM*
TANG HALL, 24TH FLOOR

MON., 2/1/99, 5:30-6:30PM*
PDR 1&2, 3rd FLOOR, STRATTON STUDENT CENTER

*THERE WILL BE PIZZA AND SODA AVAILABLE!

**MIT Seniors - You can submit an application prior to acceptance to an MIT graduate program.

For more information or to pick up an application, stop by the Office of Residential Life and Student Life Programs in W20-549, or call 253-6777.

Or go to the web at
<http://web.mit.edu/residence/www/tutor/app.html>

Application deadline is February 8th, 1999

for the 1999-2000 academic year.

COME HELP US BUILD

WORLD'S LARGEST MATZAH BALL!

MIT Hillel

Alpha Epsilon Pi

Tuesday, January 19th
10:00am - 3:00pm

Be a part of MIT and Hillel Folklore as we try and create the "World's Largest Matzah Ball"! We need YOUR help as we bring a whole new meaning to an old recipe. Afterwards...eat part of history as we sell portions of the giant matzah ball with broth to raise money for a local soup kitchen.

Info?
ADAM BOVILSKY
W 11-040, X2-1521
ADAMBOV@MIT.EDU

POLICE LOG

The following incidents were reported to the MIT Campus Police between Dec. 24, 1998 and Jan 3, 1999. This information is compiled from the Campus Police's weekly crime summary and from dispatcher logs.

This report does not include alarms, general service calls, or incidents not reported to the dispatcher.

Dec 24: Bldg. 24, copper stolen, unknown value; Tang Hall, burnt food set off fire alarm, building evacuated; Bldg. 10, report of a fight, officers discovered friends just horsing around; Bldg. E19, officer assisted with potential personnel problem.

Dec 25: Walker Memorial, report of homeless person, given trespass warning; Assist Cambridge Police, Pacific St., MIT students involved in a dispute which resulted in an assault and battery.

Dec 26: Rear of Bldg. NW14, routine check of two individuals; Assist Cambridge Police, Pacific Street, intoxicated homeless person.

Dec 27: Bldg. 3, report of a disorderly person, same given trespass warning;

Dec 28: East Campus, stereo stolen \$150; Student Center report of homeless person, individual gone upon officers arrival; Walker Memorial, report of annoying phone calls; Bldg. E51, report of a person with binoculars looking into another building; Bldg. 9, men's room suspicious activity; Bldg. NW13, report of a homeless and intoxicated person, person was making his way to the shelter.

Dec 29: Memorial Dr. Assist State Police with truck vs. bridge; Bldg. W59, Charles E. Cashman or 240 Albany St., Cambridge arrested for breaking and entering; Kresge, camera stolen \$2,330; Bldg. NW10, report of homeless person trying to enter, same making his way to shelter.

Dec 30: Bldg. 36, miter saw and vacuum stolen \$305; Bldg. NW15, report of homeless person on loading dock; Bldg. E15, attempted larceny of laptop computer, suspect chased out of building.

Dec 31: Bldg. 9, flatware and coffee pot stolen \$50; Bldg. E17, cellular telephone stolen \$250.

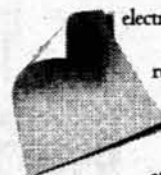
Jan 1: Massachusetts Ave. at Amherst St., assist Cambridge Police with bicyclist stuck by motor vehicle.

Jan 2: Bldg. 14, suspicious person, trespass warning issued; Bldg. 24, Cambridge Police report 911 call, area checked, no cause found; Bldg. W5, hang-up on campus emergency telephone, no one in area.

Jan 3: Pacific Lot, homeless person on campus emergency telephone, request Cambridge Police for assistance; Bldg. 3, male arrested for trespassing, also investigated past fire due to disposal of cigarette; Bldg. 66, broken water pipe; Bldg. NE 13, broken water pipe; Student Center Athena Cluster, backpack stolen \$1,300.

BE LESS PRODUCTIVE AT THE OFFICE.

The office has always been a place to get ahead. Unfortunately, it's also a place where a lot of natural resources start to fall behind. Take a look around the next time you're at work. See how many lights are left on when people leave. See how much paper is being wasted. How much



electricity is being used to run computers that are left on. Look

at how much water is being wasted in the restrooms. And

how much solid waste is being thrown out in the trash cans. We bet it's a lot.

Now, here are some simple ways you can produce less waste at work.

When you're at the copier, only make the copies you need. Use both sides of the paper when writing a memo. Turn off your light when you leave. Use a lower watt bulb in your lamps. Drink your coffee or tea out

of mugs instead of throwaway cups.

IT'S A CONNECTED WORLD. DO YOUR SHARE.

Set up a recycling bin for aluminum cans and one for bottles. And when you're in the bathroom brushing



your teeth or washing your face, don't let the faucet

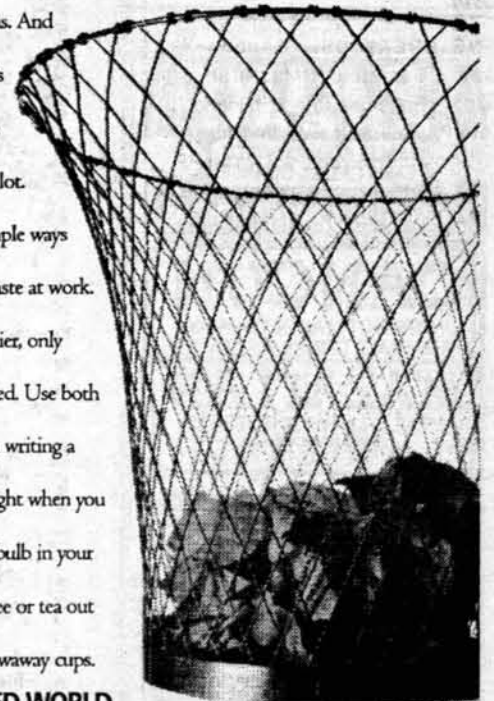
run. Remember, if we use fewer resources

today, we'll save more for tomorrow.

Which would truly be a job well done.

FOR MORE INFORMATION AND TIPS

CALL 1-800-MY-SHARE



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Assistant Needed Female faculty member looking for responsible female student to assist with printing info from the Internet, xeroxing and organizing files, packing and miscellaneous tasks. Flexible hours between 11-4:30. \$10-12 an hour. References required. Walking distance to Harvard Square and on bus line. Call 492-6813 afternoons or evenings.

EGG DONORS NEEDED! Desperately wanted by infertile, hopeful parents. All races needed. Ages 21-30. Compensation \$3,500. Please Call OPTIONS National Fertility Registry (800) 886-9373

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SECRETARY NEEDED 2 TO 3 DAYS/WEEK IN BUSY OFFICE AT MASSACHUSETTS GENERAL HOSPITAL. WORD PROCESSING, ANSWERING TELEPHONE, FILING. SUPERVISION PROVIDED. SALARY BASED ON EXPERIENCE (STARTS AT \$11.00/HR). CALL DR. HOLMES AT (617) 726-1742.

\$200 In Grocery Coupons of your choice for only 25 dollars. Call 1-888-538-7438 for free details.

Legal Problems? I am an experienced attorney and an MIT graduate who will help you resolve your legal problems. My office is in downtown Boston, accessible by MBTA. Call Esther Horwich at 523-1150.

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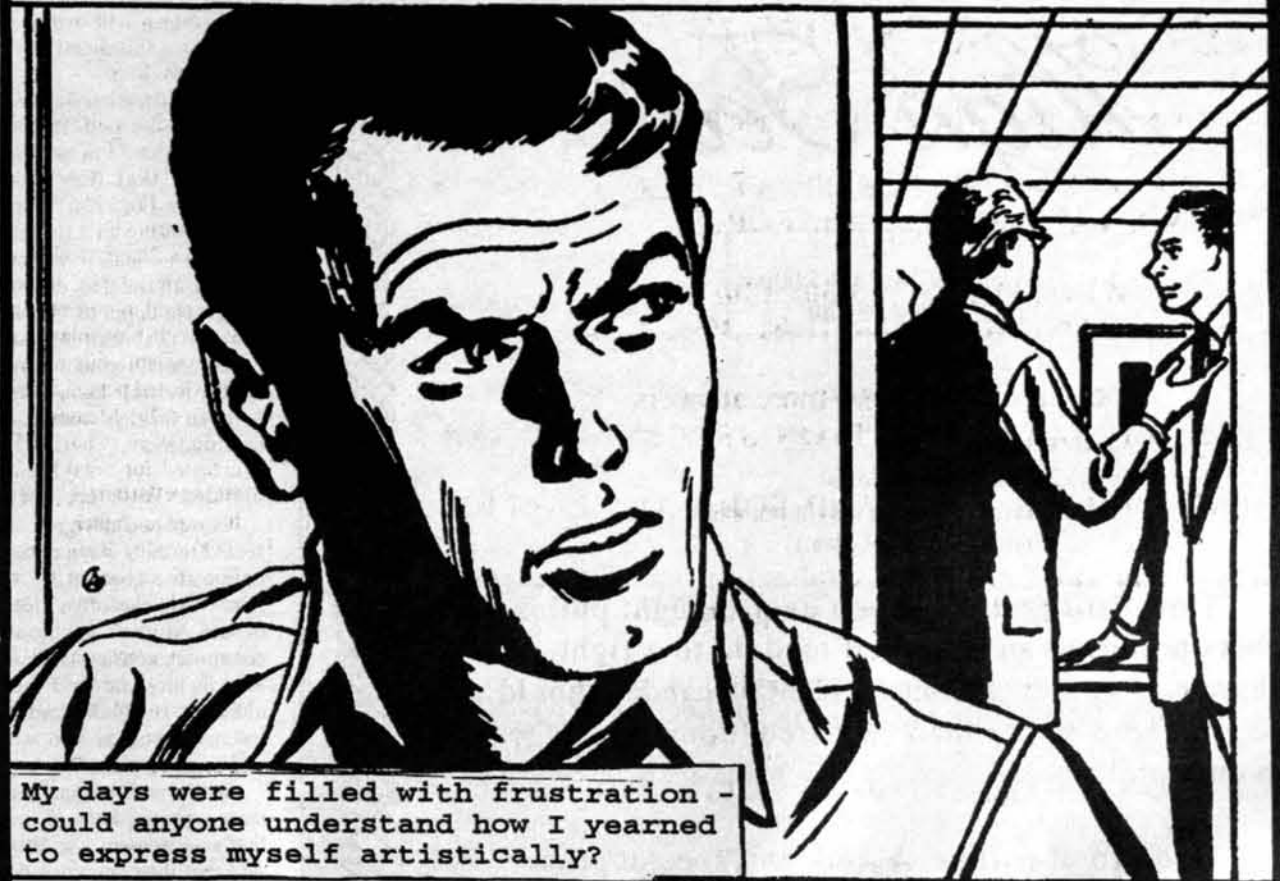
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Classified ads are due at 4:30 p.m. two days before day of publication, and must be prepaid and accompanied by a complete address and phone number. Send or bring ads, with payment, to W20-483 (84 Mass. Ave., Room 483, Cambridge, MA 02139). Account numbers for MIT departments accepted. Sorry, no "personal" ads. Contact our office for more details at 258-8324 (fax: 258-8226) or ads@the-tech.mit.edu.

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ANOTHER ARTS SUCCESS STORY!!

Next grants deadline: January 22!!



My days were filled with frustration - could anyone understand how I yearned to express myself artistically?

One day my office mate, Ted, seemed particularly fulfilled....

Why so happy, Ted?



I just got funding for my video project!

Wow! How did that happen?



I applied to the Council for the Arts at MIT Grants Program!!

I stopped by E15-205, the Office of the Arts.

Just fill in this application and supply some supporting material...



How about my resume? And letters of recommendation?

About one month after the deadline, it was time to meet with a member of the Council to talk about my project



I brought a tape of my work and those updated budget figures you asked for!

My site visit with a Grants committee member went well. Encouraging? And how!



Bill, I am confident that your song cycle "Problem Sets", will have a great deal of relevance for MIT students....

The next day....



I got the Grant! Now my artistic yearnings won't wither and die due to lack of funds!

That's right!!! You too can be part of an ARTS SUCCESS STORY!!!
 Apply to the Council for the Arts at MIT Grants Program !!!!
 Applications & Guidelines available at E15-205. Contact cohen@media.mit.edu for more info, or go to:
<http://web.mit.edu/arts/grants.html>

Deep Thought over High Tea

IAP
January 14, 3:00-5:00pm
Room 2-349

Deep philosophy has three answers:

1. I exist.
2. You might not exist.
3. Physical reality might not exist.
(But it is a cool idea.)

How hard is that? If you ever thought philosophers preferred an irrational muddle to a right answer, if you ever thought Kant's scandal should be embraced rather than censured, come to our tea to chat philosophy.

Good food will be served, and special attention will be given to Gian-Carlo Rota's critique of the "reductionist error."

Winning Designers Will Go to England

Design Contest, from Page 1

Kolenbrander said.

All of the specifications considered by the design contest are formulated under the assumption that all freshmen will live on campus in 2001 as announced by President Charles M. Vest.

"That decision has been made," Kolenbrander said. He said further, however, that "I'm not going to tell anybody that they can't try to change the president's mind."

According to Liu, while Vest's decision is final, in the contest "we have a chance to change everything." He hopes to "see a residence system that can fundamentally change MIT's community" to fight apathy as well as self-segregation between faculty, students, and graduate students.

Steering committee picks winners

Completed designs will be presented to the system design steering committee chaired by William J. Hecht '61, executive vice president of the Alumni Association. The committee consists of four students, four faculty and staff members, an alumnus, an alumna and is carefully balanced between men, women, ILG and dormitory members.

Teams were originally required to have a similar level of diversity but that requirement was dropped. Liu said that the committee dropped the requirement in an attempt to be "very unrestrictive" but said that diversity would be helpful to any team.

The committee will decide on two winners. The first place team

will receive a trip to Cambridge, England for up to six of its members, ostensibly to observe the housing system of Cambridge University. The second place team will receive a similar trip to either Stanford University or the California Institute of Technology. Kolenbrander said that these schools had "interesting systems" worthy of observation.

Following the steering committee's selections, the designs will be discussed at series of campus-wide events during the spring and summer and changes will be made by the steering committee.

On September first, the final designs will be submitted to Bacow who will have the responsibility of implementing them. Bacow, as chancellor, has the authority to modify the designs as desired, but Liu said that most changes to the designs after they are completed will be made by the committee. In addition, Liu said that the "Chancellor has been very supportive" of the design contest. "The Administrations view is that [the problem] is in our hands... we are the experts."

Kolenbrander said that the administration wants the final design to resemble the IAP design as much as possible. We "expect extraordinary" designs, he said.

Students interested in participating in the contest should come to the launch celebration today in the Bush room at 3 p.m.. Liu stressed that many teams will form during the contest - having a team by today is not a requirement for entry.

TWO CLASSIC YIDDISH FILMS

"MAMELE"

Wednesday, January 13

"MIRELE EFROS"

Wednesday, January 20

7:00 p.m. MIT Room 66-110

Film Introductions by

Alan Brody, Assoc. Provost for the Arts

Yiddish with English subtitles

• "Mamele" ("Little Mother") 1938, Poland. A musical comedy featuring Molly Picon, Mamele embraces the entire gamut of inter-war Jewish life in Poland

• "Mirele Efros" 1939, USA. The melodramatic masterpiece of Jacob Grodin, this retelling of the King Lear story from the perspective of a Jewish mother recreates Jewish life in turn-of-the-century Poland.

• Sponsored by MIT Hillel and the MIT Communications Forum with support from the IAP Fund
• For information call 253-2982



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Alleged Counterfeit Revealed at Ohio U.

FROM UNIVERSITY WIRE

After a search of his Wilson Hall room turned up more than \$5,000 worth of fake \$20 bills, an Ohio University freshman is being investigated by the U.S. Secret Service for allegedly making and passing counterfeit money.

Short Takes

John J. Swieton, 19, was charged Jan. 7 with carrying a false or altered identification and forgery, according to Athens County Municipal Court records.

The case was brought before Athens Municipal Court Judge Doug Bennett Jan. 8 and then was dismissed when the state showed no interest in it.

The state no longer has jurisdiction and Swieton now could be charged on the federal level, Bennett said.

The Secret Service is investigating the incident but cannot discuss it because it is active, Shawn Young, a Secret Service spokeswoman, said yesterday from Washington, D.C.

Last week Athens Police Department officers investigated complaints filed by the Hocking Valley Bank, 23 S. Court St., Taco Bell, 41 S. Court St., and Red Wagon, a vendor on E. Union Street.

On Jan. 6, Swieton, of Clarendon Hills, Ill., allegedly passed one counterfeit \$20 bill at Red Wagon, according to an APD report. The next day he allegedly paid for food at Taco Bell with another counterfeit \$20 bill.

"One of the businesses had spotted one of the counterfeit bills being issued and gave a description (of Swieton).

"A uniformed officer located him then," APD Investigator Jeff Gura said.

Through communication with other Uptown businesses, Taco Bell General Manager Carmaletha Byrd said her store received word to watch for counterfeit money being passed.

Two more counterfeit incidents occurred in Athens last week, but neither have been traced to Swieton. Hocking Valley Bank reported counterfeit \$20 bills were received in a deposit on Jan. 6 and another counterfeit \$20 bill was received at Red Wagon early last week.

Swieton's alleged actions during the Taco Bell transaction lead workers to be suspicions of his money, Byrd said.

"He was obviously nervous and afraid. He asked a lot of questions about the register to see if there was a way they were going to scan it to see if it was fake. Those questions, in general, lead to suspicion," she said.

Matt Billow, a Red Wagon employee, said Swieton used a counterfeit \$20 bill to pay for a can of pop.

"He was a little bit nervous and was acting strangely. All he wanted was a pop but all we had left was Vernor's. He hesitated for a while and then decided to take it and threw the money up, grabbed his change and left," Billow said.

Billow said he noticed the bill was fake after he finished the transaction.

"As soon as I finished up with the customer, I unwadded the money and thought that it felt funny. There was one earlier in the week and we knew to be on the lookout for them," he said.

Billow said he then put the bill in an envelope for the police to use for fingerprints.

Swieton, who was reached by telephone, declined to comment.

[The Post, Jan. 12]

Yale lecturer suspected in murder
Yale officials have canceled

James Van De Velde's classes this semester, saying the political science lecturer has turned up on a list of New Haven Police suspects in the killing of Suzanne Jovin '99.

Van De Velde was Jovin's senior thesis advisor and saw her the night of her death a mile from campus on Dec. 4, 1998.

More than 40 students were turned away Monday morning when the University canceled both of Van De Velde's spring semester classes. Yale administrators said their decision was prompted by information that the New Haven Police Department's pool of suspects for the killing of Jovin includes the Yale lecturer.

"Under the circumstances, his presence in the classroom could inevitably give rise to speculation about events outside the classroom," said Yale College Dean Richard Brodhead. "That would be a major distraction to students and impair their educational experience."

Yale officials said police plan to continue questioning people on campus about Van De Velde and the homicide and that his involvement in the case would interfere with students' educational experience.

Brodhead emphasized the University presumes Van De Velde's innocence, and the decision to cancel his classes will not affect his chances for tenure. His appointment as lecturer remains active, and he will continue to draw his salary.

Yale officers said they decided over the weekend to cancel the classes and allow Van De Velde to concentrate on research or scholarly projects.

"The decision was communicated [on Sunday] to Mr. Van De Velde," said Yale President Richard Levin.

He added that Van De Velde is welcome to continue his research in the Yale libraries this spring.

Neither Van De Velde nor his lawyer Ira Grudberg could be reached for comment last night. Yale Acting Director of Public Affairs Tom Conroy said he was not aware of the lecturer's whereabouts.

Although news that Van De Velde is a suspect in the case provoked the decision to cancel Van De Velde's classes, Yale officials said they don't wish to imply that Van De Velde was involved in the homicide.

"We want to underscore that we are presuming him to be innocent," said University Secretary Linda Lorimer.

Political science professor Rogers Smith said the decision to cancel the classes might lessen media pressure on the political science department.

"The main effect [of the murder investigation] on the political science department has been the extensive media attention and the presence of investigators," Smith said.

Citing unnamed sources, the New Haven Register named Van De Velde as a subject of police investigation in the Jovin case in mid-December. Van De Velde said publicly he was interviewed twice by police and that he did not kill Jovin.

But the recent media attention and police attention did not sway more than 40 students from shopping his Monday morning "Intelligence Collection and Analysis" course.

Howard Clark '01 picked his way through the sparsely populated WLH classroom. As he scanned the room for a stack of Political Science 181b syllabi, he saw the writing on the blackboard:


"PoliSci 181b canceled for Spring."

"The subject matter was enticing, and I heard he was an exhilarating lecturer," said Clark. "I'm very disappointed that his classes won't be offered."

[Yale Daily News, Jan. 12]

MIT IAP PRESENTS

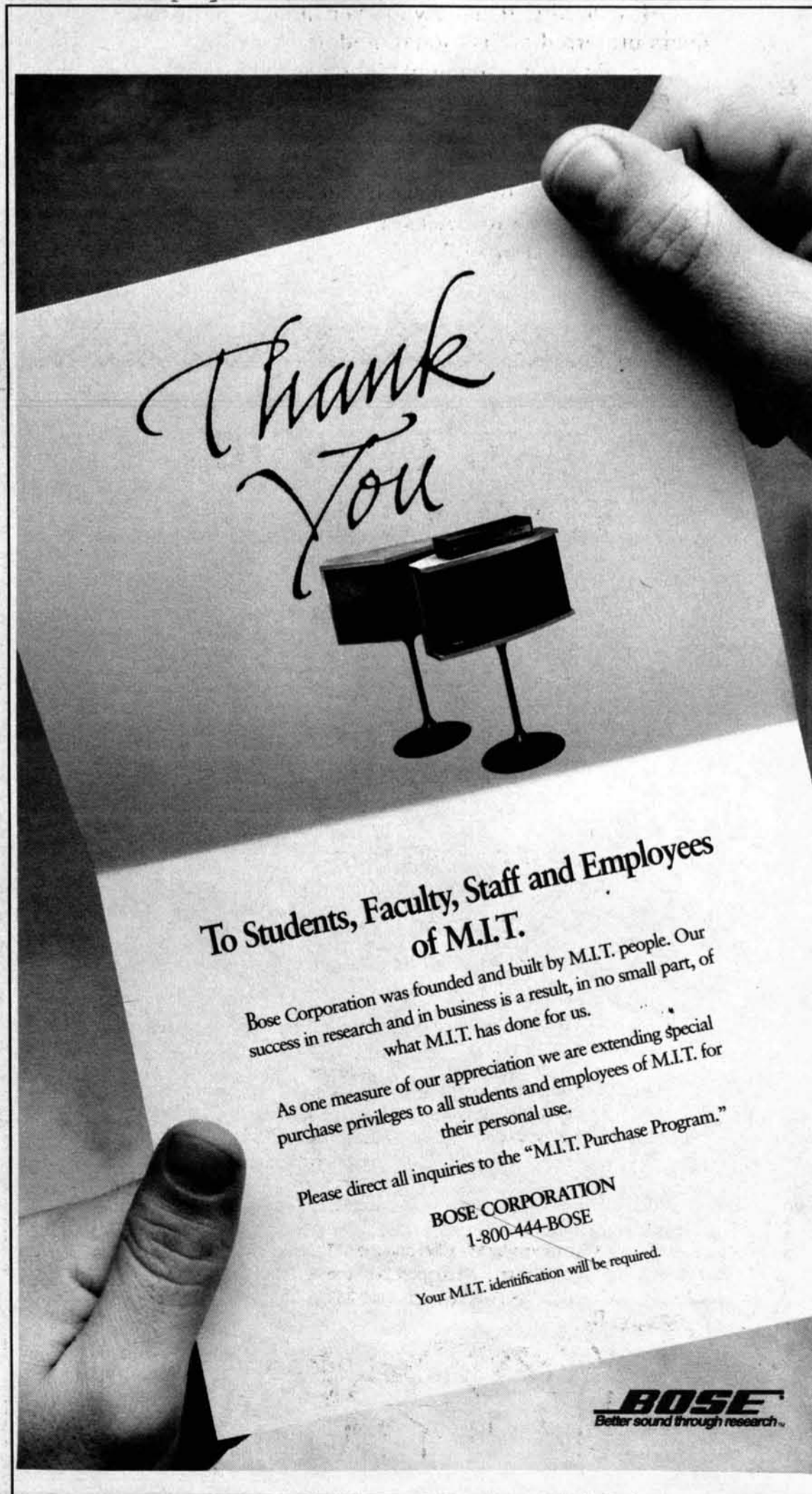
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January 19, 1999
1:00 to 3:00 pm

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Investment Casting Class Resurrects Ancient Craft

IAP Activities, from Page 1

"I always walked by the workshop in the basement on my way to classes and I thought they made some cool stuff," said Alan T. Asbeck '02, a student enrolled in the course. A popular course during IAP, glassblowing inevitably ends up heavily oversubscribed. Students

suggest signing up early.

Investment Casting of Silver

The process of investment casting is over a thousand years old and involves creating figurines from molten metals such as gold, silver, and bronze.

Students create their own plaster molds from wax kits and then pour

the liquid metal into these casts. The cast is then plunged into cold water, where the metal hardens.

Neil Jenkins G, a graduate student in Materials Science and Engineering, was very interested in metallurgy, so he decided to team up with his friend Benjamin M. Linder G, a graduate student in Mechanical Engineering, to offer the

course. They use facilities provided by the Materials Science and Engineering Department to teach the course.

"We haven't been casting for a very long but both of us have extensive knowledge about the process," Jenkins said.

Investment casting allows students to spend approximately 10 hours total learning about the process and creating their figurines.

Each person makes about 4-6 casts, depending on individual interest, Jenkins said.

"I became interested in investment casting because I work in an archaeology lab at MIT, so I know the process is of significant historical value," said Katherine E. Jakielski, a research specialist in the Department of Archaeology who enrolled in the course.

The course proved to be extremely popular. Forty people signed up, although enrollment was limited to 10 students.

Woodworking

"My main goal is to allow the

students to have fun and feel comfortable while learning how to safely operate a number of different important woodworking machines such as a jointer and a band saw," said Roy Talanian who teaches the course.

Students enrolled in the woodworking class over IAP learn how to build a small upholstered footstool through the use of a variety of different machines located in the Hobby Shop in the basement of Dupont Athletic Center.

"I took a shop class in junior high school, but we were not really allowed to use many woodworking machines. I thought that I could learn a lot more about using a variety of different tools in this course," said Amy C. Lin '02.

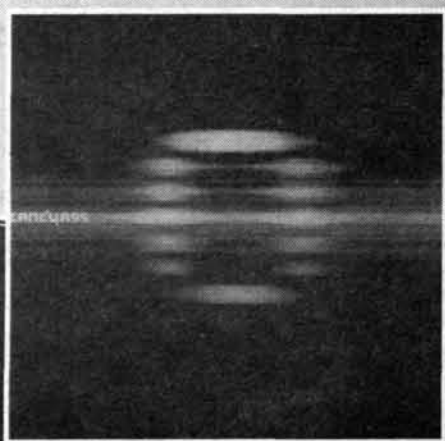
Students in the class seemed to feel this course allowed them to learn skills they would be able to use in the future.

"It gives me a sense of accomplishment when I know I can safely operate the woodworking machines to create something useful," said Jennifer J. Yu '02.

Fire up the grill, I'm bringing home some fresh cuts.



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