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

By Rima A. Arnaout

STAFF REPORTER

Professor John Penfield Jr. ScD '60 will step down as Head 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, he was the longest tenure as 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.

Residential System Design Contest Begins

By Frank Dobek

STAFF REPORTER

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 Lin '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.

The contest design asks participants to consider one of the "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 contest must address the timing and format of the FSLG system, 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 FSLG system.

Kolenbrander said that Institute housing currently provides mentoring for students but said that there is "no question that the FSLG 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 the short-term perspective. "We are asking students to look far beyond their life at MIT," Kolenbrander said.

Design Contest, Page 14

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 each student to make a small glass figurines, vases, and bowls from molten hot glass.

Taught by Professor of Materials Science and Engineering Michael J. Cima, this class allows students to study the art of shaping glass figures, vases, and bowls from molten hot glass. It will be run by the FSILG system beginning at 5 p.m. Tuesday in the first meeting. The contest represents a chance for students to make "a large and dramatic change in their daily lives.

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Glassblowing meets for four hours each week, two hours of lecture and two hours spent practicing techniques in the lab.
Clinton to Push for Passage Of Nuclear Test Ban Treaty

By Tyler Marshall

Washington, D.C.

Dissenting Army Officers Are Arrested by Mexican Military

By James F. Smith

Mexico City

Weather on a Hair Line Trigger

By Greg Lawson

Los Angeles, Calif.
Clinton Makes Final Payout in Jones Sexual Harassment Suit

By Peter Baker
WASHINGTON

President Clinton sent an expected $525,000 check to Paula Jones on Tuesday, finally closing out the sex scandal that has dominated 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 personal fund, a trust and an investment 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 eight years of legal wrangling. The deal would have 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 by the day before the settlement 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 to provide a separate policy.

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.

"We 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 battles that tested 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 lying to her about his secret affair with an Arkansas woman while she was staying at the Little Rock, Ark., hotel suite during a state conference May 8, 1991, when she was a 45-year-old state clerk and he was governor of Arkansas.

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

By Joan Biskupic
WASHINGTON

The Supreme Court on Tuesday struck down a state’s attemptive effort to regulate ballot initiatives, in a decision excellent deal with one of the merchant rights of people who circulate such petitions and sending a strong warn ing to legislators who try to rein them in.

In a split decision, the justices rejected Colorado’s requirements that people who circulate petitions must fill out identification cards, be regist ered voters in the state and add up to $10,000 in individual contributions on how much they were paid to collect sig natures.

The decision is likely to be carefully evaluated by state 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 give citizens an avenue for bringing issues to the ballot, which has been used to rewrite state laws governing everything from term limits to lottery and property rights and the legality of assisted suicide.

The court ruled that Colorado’s ballot initiative law has developed into a multi-billion-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, is the best test of whether the forefend 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 provides us to be vigilant," Justice Ruth Bader Ginsburg wrote for the court, "to guard against undemocratic pressures to political conversations and the exchange of ideas."


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Netanyahu Relaxes Fiscal Controls

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 the 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 acted 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 Labor Party legislator Aravam 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

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 courts from hearing the case brought by Tsai Vian Tseng, a hospital clinical nutritionist.

She sued the airline after 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 to board.

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 suit and 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 use state law because the treaty applied only to bodily injury.

The Supreme Court’s decision Tuesday reversed the circuit court. "We held 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
PHONE: 253-2195
EMAIL: gsc-request@mit.edu WEBSITE: www.mit.edu/activities/gsc

Spring Welcome Social Feb. 4
5:37 PM 50-220
Come see other graduate students and enjoy free food and drink. Proper IDs are 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 Ashdron 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, CSP)

Professional Development seminars, 3:30 - 5 PM, Hulsizer Room, Ashdron

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

Editors are the official opinion of The Tech. They are written by the editorial board, which consists of chief, managing editor, news editors, and opinion editors.

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. No letter will be returned.

Letters and cartoons will be published at the discretion of the editorial board and may be syndicated.

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.

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?

First, the announcement calls into question the winners, not the losers, from the 1950s with shows like the original "To Ten Downhill Again

The United States will now have a hard time generating an excuse to launch a ground strike to overthrow Saddam. With no weapons inspections to be redone. France has drafted a proposal that no member country can so monopolize a council. It's amazing in the first place that a single person can choose one poem and attach a plastic board over it with the words "poem of the week" on it to the world's reaction to one. Instead of randomly scribbling initials on a wall, people have the opportunity to create something positive, powerful, and meaningful, something entertaining, and something that others can learn from.

My initial reluctance at spending twenty dollars on my magnetic poetry kit was unfounded. Magnetic poetry is actually a great way to write spontaneous poems without the fear or intimidation that often accompanies writing poetry. I'd like to introduce you to the world of the Slam Dunked on Magnetic Poetry

Guest Column
VEENA THOMAS

My sister didn't get me anything last Christmas. She said she was short on cash and had little to find transportation in order to shop for presents. Instead, she gave me some money, telling me to buy something special. On the all-applicable gift certificate to buy myself any thing I wanted. I found it to be a trip to write words on little pieces of paper and tape them up to my refrigerator. It's amazing in the first place that a single person can choose one poem and attach a plastic board over it with the words "poem of the week" on it to the world's reaction to one. Instead of randomly scribbling initials on a wall, people have the opportunity to create something positive, powerful, and meaningful, something entertaining, and something that others can learn from.

Veena Thomas is a member of the class of 2003.
Billy Joel
Rock legend ...

By Satwiksal Seshasai

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

And from there, Billy Joel gave, as would concentration on his classical scores. His harmonica and playing some of the old shit, and some of the new shit." While he fastened to apologize for "not having any new shit," his sensual 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. The concert was complimented by Joel's ability to have fun while he performs.

Many of his other brilliant tunes. Joel displayed his ability to live up to 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 "GoodnightSaigon." 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 hero 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, Billy Joel and roll career, Billy Joel will surely be missed.
Four Students Are Awarded Marshall Scholarships

By Sanjay Basu

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 OrtG. Bahcall '99, Valerie M. Joyner G., Yuka N. Miyake '99, and Paul T. Oppold '99.

Orti G. Bahcall

Bahcall, a biology major and political science minor, will attend Oxford University next year, where she will study medical and orthopedic engineering. She 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. His Marshall scholarship, as a gesture of thanks to Marshall, as a gesture of thanks to Britain after World War II, Marshall scholars receive a full scholarship to in all 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.

Valerie 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 in another opportunity for my community to shine," she said. Joyner competes with the MIT equestrian teams and participates in both the Interarsity 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.

Tax info, toll-free.

Tax questions? Call TeleTax for recorded information about 150 tax topics, 24 hours a day.

1. Purchase a six-inch Subway Sandwich and a 21-ounce soft drink and get a second six-inch Subway Sandwich and a 21-ounce soft drink of equal or lesser price for free upon presentation of a Student Value Package coupon. Offer expires June 30, 1999. Offer available in participating Subway locations and may not be combined with any other offer. One coupon per person per visit. Subway is a registered trademark of Doctor Adkins Inc. 2. Valid school ID or acceptance letter required. To qualify for X-Press Check and Reserve Card you must be at least 18 years of age and have no adverse credit history. 3. Online ordering with Business Bonus Card must be a lunch, including fries, during hours listed. There is a $2.50 monthly fee for Online Bill Pay service. 4. If you make withdrawals, deposits, transfers, and balance inquiries electronically by phone, 484, or computer only, for monthly fee is discounted to $3. The monthly monthly Student Value Package fee is $5.
The Tech

COMICS FUN PAGES

January 13, 1999

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dammed for life

by Jessica

ALBERT AND NEWTON TOOK THEIR TIME MACHINE...

WHERE ARE WE?

I DON'T KNOW...

ACCORDING TO MY CALCULATIONS, WE'RE 3 YEARS INTO THE FUTURE!

LOOK! THERE WE ARE!

So, Josh, are you coming to the same class as you gonna take another nap?

I TOLD YOU! MY NAP IS GOING TO BE A TIME OF ABSOLUTE REST. COMPLETE RELAXATION, ABSOLUTE...

Boredom?

IF YOU JUST STOOD WALKING ALL OVER THE PLACE, THEY'D GET WOULD WHERE YOU'RE GOING IN HALF THE TIME.

WHAT WILL I TELL THEM?

Josh, the answer is to it that I'm trying to get back.

IT SEEMS LIKE EVERY DAY IT'S THE SAME STORY - MINIMALISM, LAYOFFS, LEFT POWERS, RIGHT POWERS, TALKING UP A BALONEY POINT...

I'M LEANING, IF YOU STAND ANYTHING ABOUT THE HOSPITAL, I COULD ENSURE IT START. ONE OF THESE COMPANIES WOULD TO BE ONE OF AN INVESTMENT.
**TechCalendar**

**Wednesday's Events**

- 6:30 a.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.

- 8:10 p.m. - Weekly LEMS Service and Supper. Eucharist in the Chapel every Wednesday at 8:10 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. - Scruinous Songs. Join us as we explore scruinous songs from Period (c. 1000 to 1600 A.D.). Bring your sense of humour and fun, and come enhance your knowledge of funny Period pieces. 1:150. Sponsor: Society for Creative Anachronism.


- 7:00 p.m. - 12:00 a.m. - Party Sampler. The ghosts of parties past have invaded Epsilon Visuals. Bubbles, cheese, sandwiches, and more! Be there or be square! 7:00 p.m. - 12:00 a.m. Sponsor: Roadkill Buffet.

- 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. 21:25. Sponsor: The Tech

**Friday's Events**


**Saturday's Events**

- 11:00 a.m. - 5:00 p.m. - Elizabethan Garb Workshop. Create an Elizabethan doublet, kirtle, and hose. Please e-mail sca@mit.edu if you're coming, so we know to expect you. 20 Chiming. Sponsor: Society for Creative Anachronism.

**Sunday's Events**


- 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.

- 7:00 p.m. - The Hunt for Red October. 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. 10-250. 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**


- 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.

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**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, Food, and fun. 10-250 and environs. Sponsor: Academic Computing.

- 7:00 p.m. - Animation Festival, Animer, 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.
Quantitative Research Analyst

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.

Quantitative Analysts will specialize in one or more of the following areas:

- Modeling financial products such as mortgage-backed securities and options
- Portfolio structuring and/or asset allocation
- Analysis integrated with Sales, Trading, or Investment Banking activities
- Analysis of stock and bond market returns and yields
- Analytical systems development

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.

Training for quantitative analysts includes:

- An introduction to securities analytics
- Immediate hands-on training with professionals working on various projects
- Licensing with the securities industry regulators
- Additional technical training as needed to handle newly assigned tasks

The Quantitative Research Department will be interviewing on the M.I.T. Campus on Monday, February 8, 1999

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

Salomon Smith Barney is an Equal Opportunity Employer M/F/D/V.
Penfield To Teach 6.001

To all SOPHOMORES in the departments of AERO/ASTRO, CIVIL, MATS, SCIENCE & ENGR, 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 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 processes 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 ongoing internationally sponsored pilot scale field experiment designed to help test the strategy.

The TECH Page 11
**MIT Seniors** & **GRADUATE STUDENTS**

Do you enjoy working with people?
Are you good at solving problems?

Become a

**GRADUATE RESIDENT TUTOR**
in an

**UNDERGRADUATE RESIDENCE HALL**

IF YOU ARE INTERESTED, PLEASE ATTEND ONE OF THE FOLLOWING, LAST & FINAL, INFORMATION SESSIONS:

**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 **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.


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**COME HELP US BUILD**

**WORLD'S LARGEST MATZAH BALL**

MIT Hillie

Alpha Epsilon Pi

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

**Police Log**

The following incidents were reported to the MIT Campus Police between Dec. 24, 1998 and Jan. 2, 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. 19, 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 answering 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. Kreuze, camera stolen $2,336; Bldg. NW10, report of homeless person trying to enter, same making his way to the shelter.

**Dec 30:** Bldg. 36, miter saw and vacuum stolen $305; Bldg. NW15, report of homeless person on loading dock; Bldg. E15, tampered with 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, no one in area.

Jan 4: Bldg. 59, Charles E. Cashman or 240 Albany St., Cambridge arrested for trespassing, also investigated past fire due to disposal of cigarettes.

Jan 5: Bldg. NW10, report of homeless person, given trespass warning; Bldg. E15, suspect chased out of building, attempted larceny of laptop computer, suspect chased out of building.

Jan 6: Memorial Dr. Assist State Police with truck vs. bridge; Bldg. W59, Charles E. Cashman or 240 Albany St., Cambridge arrested for breaking and entering; Kreuze, camera stolen $2,336; Bldg. NW10, report of homeless person trying to enter, same making his way to shelter.

Jan 7: Bldg. 36, miter saw and vacuum stolen $305; Bldg. NW15, report of homeless person on loading dock; Bldg. E15, tampered with computer, suspect chased out of building.

Jan 8: Pacific Lot, homeless person on campus emergency telephone, no one in area.

Jan 9: Bldg. 59, Charles E. Cashman or 240 Albany St., Cambridge arrested for breaking and entering; Kreuze, camera stolen $2,336; Bldg. NW10, report of homeless person trying to enter, same making his way to shelter.

Jan 10: Bldg. 36, miter saw and vacuum stolen $305; Bldg. NW15, report of homeless person on loading dock; Bldg. E15, tampered with computer, suspect chased out of building.

Jan 11: Massachusetts Ave., at Amherst St., assist Cambridge Police with bicyclist stuck by motor vehicle.

Jan 12: 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 13: Pacific Lot, homeless person on campus emergency telephone, no one in area.

Jan 14: Bldg. 59, Charles E. Cashman or 240 Albany St., Cambridge arrested for breaking and entering; Kreuze, camera stolen $2,336; Bldg. NW10, report of homeless person trying to enter, same making his way to shelter.

Jan 15: Bldg. 36, miter saw and vacuum stolen $305; Bldg. NW15, report of homeless person on loading dock; Bldg. E15, tampered with computer, suspect chased out of building.

Jan 16: Pacific Lot, homeless person on campus emergency telephone, no one in area.

Jan 17: 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 18: Pacific Lot, homeless person on campus emergency telephone, no one in area.

Jan 19: Bldg. 59, Charles E. Cashman or 240 Albany St., Cambridge arrested for breaking and entering; Kreuze, camera stolen $2,336; Bldg. NW10, report of homeless person trying to enter, same making his way to shelter.

Jan 20: Bldg. 36, miter saw and vacuum stolen $305; Bldg. NW15, report of homeless person on loading dock; Bldg. E15, tampered with computer, suspect chased out of building.

Jan 21: 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 22: Pacific Lot, homeless person on campus emergency telephone, no one in area.

Jan 23: Bldg. 59, Charles E. Cashman or 240 Albany St., Cambridge arrested for breaking and entering; Kreuze, camera stolen $2,336; Bldg. NW10, report of homeless person trying to enter, same making his way to shelter.

Jan 24: Bldg. 36, miter saw and vacuum stolen $305; Bldg. NW15, report of homeless person on loading dock; Bldg. E15, tampered with computer, suspect chased out of building.

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

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 toilets.

We’ll save a lot of aluminum cans and one for batteries. And when you’re in the bathroom brushing your teeth or washing your face, don’t let the faucet run.

Drink out of cups instead of drinking sugary drinks and fewer resources today, we’ll save more tomorrow.

Which would truly be a job well done.

FOR MORE INFORMATION AND TIPS CALL 1-800-SHARE.
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.”

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 interwar Jewish life in Poland.

*“Mirele Efros” 1939, USA. The melodramatic masterpiece of Jacob Gordin, 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

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-aggregation 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 administrator, an alumnus, 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.
Alleged Counterfeit Revealed at Ohio U.

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 adminstrators 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 officials 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 Lerner.

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 police and that he did not kill Jovin. His appointment as lecturer remains active, and he will continue to draw his salary.

Van De Velde, 19, was charged Jan. 8 and then was dismissed when the state showed no intention of pressing charges.

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 Clarion Hills, Ill., allegedly passed one counterfeit $20 bill at Red Wagon, according to an APD report. The next day he allegedly paid for a can of pop 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 Carmalene 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 suspicious of his money, Byrd said.

"He was obviously nervous and afraid. He asked a lot of questions about the register 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 acting strangely. All he wanted was pop and 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.

To Students, Faculty, Staff and Employees of M.I.T.

Bose Corporation was founded and built by M.I.T. people. Our success in research and in business is a result, in no small part, of what M.I.T. has done for us.

As one measure of our appreciation we are extending special purchase privileges to all students and employees of M.I.T. for their personal use.

Please direct all inquiries to the "M.I.T. Purchase Program."
IAP Activities, from Page 1

"I always walked by the work- shop 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 metalurgy, 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. Jakelowski, 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 Duport 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.

Investment casting allows the student to become familiar with a variety of different woodworking machines located in the basement of Duport Athletic Center. They use facilities provided by the Materials Science and Engineering Department to teach the course. The course proved to be extremely popular. Forty people signed up, although enrollment was limited to 10 students.

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Thanks to you, all sorts of everyday products are being made from the paper, plastic, metal and glass that you've been recycling.

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