Committee Nixes Bates Accelerator Funding

By Jeremy Hytton

In a move that has shocked researchers and administrators alike, a House subcommittee yesterday approved a plan that would eliminate funding for MIT's Bates Linear Accelerator and four other nuclear physics particle accelerators next year.

"It will have a devastating impact and we think it is totally undeserving," said Professor Robert P. Redwine, head of the Laboratory for Nuclear Science, which runs Bates. The cut "is not based on a real understanding of what goes on at those labs," he said.

The speed with which the budget mark was passed surprised MIT officials. The preliminary markup, released Tuesday, was approved yesterday. The markup eliminates the $18.6 million the Clinton administration had requested for Bates, as well as funding for four other accelerator programs across the country.

Located in Middletown, Mass., Bates employs 122 and is used by six MIT professors, several senior research scientists, and 22 graduate students. Researchers from across the country, including 30 graduate students from other schools, also use the Bates facility.

Two last-minute amendments to the budget proposal failed yesterday on a pair of 12-12 votes. The amendments were introduced by Rep. John W. Olver, a Massachusetts Democrat, and Rep. Vernon J. Ehlers, a Michigan Republican and a Berkeley-educated physicist.

"These facilities are not only vital for the training of students, but also conduct important research," Ehlers said.

Spokesmen from MIT and the Massachusetts Congressional delegation were hopeful that funding would be restored by the full House Science committee. MIT spokesman Kenneth D. Campbell noted that Rep. Robert S. Walker (R-Pa.), chair of the House Science Committee, voted for the amendment.

"This will allow unique experiments in this important research area," Redwine said. Bates also has the world's highest resolution energy loss spectrometer for measuring particle energy.

Along with Bates, four other

Congressional Cuts Hit Student Loans

By Sarah Y. Knightley and Jeremy Hytton

As the Republican-controlled Congress moves to balance the budget by 2002, it is proposing broad cuts in all areas of domestic spending, many of which will have a serious impact on MIT and the nation's higher education system.

A resolution passed late last month by the House of Representatives proposes to eliminate the Departments of Energy, Education, and Commerce as well as the school interest exemption for government student loans. By contrast, the Senate version eliminates only one department — commerce — and would eliminate only the interest subsidy for graduate and professional students.

In addition to abolishing the three departments, the House bill would lower funding for civilian science research in the House budget from about $32 billion last year to $24 billion in 2000, a cut that translates to a total reduction of about $24 billion over the four years.

The House and Senate budgets will be reconciled over the summer, and a final bill will probably be voted on by both houses of Congress in September.

Professor J. David Litster PhD '63, vice president and dean for research, cautioned that while the cuts would be serious if implemented, the budget was still far from being approved.

What finally counts is what the appropriation committees appropriate, what the Senate passes, what emerges from the House-Senate conference, and what the president signs," he said. "It will be a long summer."

By way of explanation, Republicans say the cuts, which will take aim at programs ranging from weather satellites to nuclear fusion programs, target waste and backing of corporations rather than basic science.

Loans, Page 10

Committee Nixes Bates Accelerator Funding

Moses Named New Provost

By Daniel C. Stevenson

Dean of the School of Engineering Joel Moses PhD '67 was confirmed as the Institute's next provost by the Corporation Executive Committee last night. President Charles M. Vest announced Tuesday afternoon his intention to nominate Moses to the position.

Moses succeeds Mark S. Wrighton, who is stepping down today to become the chancellor of Washington University in St. Louis.

The appointment fills the first of several gaps in the senior administration, which include, the dean of undergraduate education and student affairs, dean of graduate today, and chair of the House Science Committee.

Moses "will be the next in a line of distinguished scientists and engineers who have served superbly in this important position," said Vest. His "deep knowledge of MIT, varied educational background, eclectic intellectual interests, respect for faculty culture, and thoughtful understanding of the current pressures for change will make him an outstanding institutional leader for our times."

Moses brings a broad educational background and successful computer science and engineering career to the position. "For me, the magic lies in the endless opportunities to work with and to come to know individuals of the highest caliber across all the disciplines and ranks," Moses said.

In the 1940s, Vannevar Bush '16 promoted "the vision of federal support for university research and, implicitly, for the education of undergraduate and graduate students for the good of the country," said Moses. "That compact is now being questioned."

Joel Moses

Provost, Page 24

1,794 Students to Graduate Today

By Amy L. Hui

Today the well-kept grass of Killian Court will host MIT's 129th Commencement exercises, bringing together 1,794 graduates and an estimated 8,000 relatives and guests.

A total of 2,026 degrees, 961 undergraduate and 1,065 advanced, will be awarded from the Institute's five schools and 21 academic departments.

Hanna H. Gray, president emerita of the University of Chicago, will deliver the main Commencement address. President Charles M. Vest will give the charge to the graduates, and MIT Corporation Chairman Paul E. Gray '54 will preside over the ceremonies.

Exercises begin at 9:45 a.m. with the traditional academic procession from 77 Massachusetts Ave. to Killian Court. Students will begin the procession at the Johnson Athletic Center, where they will line up by degree and department. They will be led by marshals and Marshall R. Gary Schweickhardt SM '73, president of the MIT

Commitment, Page 24

The Weather

Today: Sunny, cool, 70°F (21°C)
Tonight: Increasing clouds, 57°F (14°C)
Tomorrow: Cloudy, 70°F (21°C)

Details, Page 2
Rescued Pilot Had Training, Gear to Survive for Days

By Dana Priest

WASHINGTON

Capt. Scott F. O'Grady fell from the sky with sophisticated military equipment, received advice that might have helped keep him alive, and used it. Now he is being hailed as a hero.

During his 17-hour ordeal, O'Grady used advice from a how-to manual. The manual is titled "Joint Services Survival, Evasion, Rescue, and Escape (SERE)" and was written to prepare military personnel for the kind of political drama that often accompanies war.

"It is a guidebook that all military people are trained to use," said Kenneth Bacon, assistant secretary of defense for public affairs. "It is a how-to manual.

"He learned how to relieve boredom," said a government official, who spoke on condition of anonymity. "He used the lessons taught in the manual.

"This is a guidebook that all military people are trained to use," said Bacon.

The White House on Thursday averted a political crisis by warning Congress that the request for $30 billion in new spending for the 1998 budget is unlikely to survive.

"We are so grateful and so appreciative," said White House press secretary Mike McCurry.

"They're not just satisfied with the excellent performance of the pilot. They're also happy that the pilot had a battery that worked, not a worry," said Bacon.

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Clinton Friend Pleads Guilty
To Misapplying Loan Funds

By Susan Schmidt
The Washington Post
WASHINGTON

Federal authorities arrested a for-
taker and a capital venture firm backed
by the Small Business Administra-
tion for personal and political ven-
tation in connection with a loan program.

John J. Goldman
Los Angeles Times

Customs agents posed as arms mer-
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and broadened into an examination
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have led to legal trouble for the
President's closest friends and polit-
ical associates.

The plea agreement said in early 1986 he and former S&L
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Management Services Inc., the
SHA-backed firm owned by David
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in the investigation since last year.
CM Int. Smith's

Agents said, originating in the
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"In the wake of the breakup of the Soviet Union, there have been
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"I may be an American, but-I am not a
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Indicted on charges of illegally
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"The potential result of their
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The arrests resulted from an elab-
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posing as an Iraqi defense minister.

Three Men Arrested
in Scheme to Export Nuclear Material to Iraq

By John J. Goldman
and William C. Rempel

NEW YORK

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Opinion

Letters To The Editor

Solar Car Team Adviser Ends Outstanding Tenure

Three years ago, the MIT Solar/Electric Vehicle team asked Kathleen Allen to become its faculty advisor. From her unusual initial qualifications of having a fine knowledge of the business of building working faculty and, possessing a conveniently-located woodworking shop, she became a valuable member of the team.

Sadly, this summer's Sunrayce will mark the end of her tenure with the MIT Solar/Electric Vehicle team. Kathleen has been a model of the optimal advisor. Servant as ombudsman, coordinator, manager, leader, and friend, she has instilled the group with a new sense of direction and purpose. By bringing together conflicting teams within and outside of MIT, Kathleen has carried the team unprejudiced levels of expertise. With her unique approach, Kathleen has added a human dimension which could not have been done otherwise.

Kathleen exceeds any standard of expectation of an advisor. While some faculty may be content to attend meetings, spout advice, and proclaim lofty goals, Kathleen enjoys being involved in the middle of things. With her informal style, she can never compose lay up. Kathleen is careful to

UESA Dean's Office Should be Divided

Column by Rachel A. Chitaley, Keita Hsu, and Stacy E. McGeever

We urge Charles President M. Vest and Provost Joseph Moses to divide the Office of Undergraduate Education and Student Affairs by appointing a Dean for Undergraduate Education (DU), reporting to the Provost, and a Dean for Student Affairs (DSA), reporting to the DUE. Further, as relevant personalities consider what changes the new Deans for Student Affairs, we would like to bring attention to someone with whom too many students and faculty are too unfamiliar yet students who are influential in student affairs: Stephen D. Immerman. Appointment of special services for the vice senior president.

A divided Dean's Office?

A community which is nervous about MIT,s direction and possibly of the faculty would understand why that a DSA sub-ordinating to a DUE might mean MIT is on the road to another divorce. This is a significant and important topic for undergraduate students.

We believe the true test lies instead in how effectively the DSA is supervised, and informedly guided by what is the true university of the undergraduate experience: the faculty.

The provost is a very busy person from whom many people need supervision and guidance. A dean can usually get the provost's attention easily enough, but keeping focused attention for very long can be much more difficult. If the DSA reports to the provost, it is therefore important to determine the faculty responsibilities of the DSA in order to make the office a member of the faculty and that he or she has some influence in the decision-making process of the faculty for compensation for the lack of persis-

Perhaps his most recognizable accomplish-

Of special services put him in successful private negotiation. Perhaps his most recognizable accomplish-

Dissents, marked as such and printed in a distinctive format, are

Letters and cartoons must bear the author's signatures, address,

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Policy Opinion

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The Tech is available online at http://www.the-tech.mit.edu. For

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The Tech's telephone number is (617) 253-1541. Electronic mail is the easiest way to reach any member of our staff. Mail to specific people is preferred in order to avoid mis-routing. For those who do not have access to electronic mail, mail should be addressed to:


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Guest Column by Kostas Arkoudas

words from the ever-expanding victimization

Finger-Wagging Moralists - Hurting Themselves, Society

...and barely had a chance to choose which

Painfully honest, Mr. Immerman's book is a

The Committee on Campus Race Relations

I wholeheartedly thank all of you who have submitted grants applications and worked on Committee-sponsored programs during the past year.

The deadline for application is 60 days after graduation. It is currently taking five weeks to have the application approved by the Immigration Service. Therefore, the procedures to follow and the documents required are available in the International Student Office (5-106).

Dean, from Page 4

ment affairs - informal and with great influ-

The Committee on Campus Race Relations would like to thank all of you who have submitted grants applications and worked on Committee-sponsored programs during the past year.

Next year, grant applications will be due October 15, December 15, and April 15. Application forms are available from the office of Dean Ayida Mthembu, Room 5-106.

We've just issued a newly revised Guide to Studies in Racial, Ethnic and Intercultural Relations. If you want to know what we've been up to and where we hope to go, our first Annual Report is also now available. Copies of both are available from Traci Trotzer at 3-1706 or tracitrotz@mit.edu.

Thanks for your support, and congratulations to all this year's graduates.
Congratulations to The Class of 1995 from The Coop and Sony®!

Get E-Mail, Get Organized, Get Portable, Get Magic Link™ by Sony!

It’s the easier, faster, smarter way to stay in touch with everyone. Magic Link communicator combines e-mail, faxing, phoning, on-line services and paging* in one portable lightweight package. E-Mail - Magic Link is AT&T PersonaLink™ Services and America Online ready! You can send and receive e-mail to anyone on-line - Prodigy, Compuserve, the Internet, X.400 and more! Fax - easily send faxes via your Magic Link communicator anytime, anywhere. Organize intelligently with the built-in features of your Magic Link communicator including Datebook Organizer, Name and Address File, Filing Cabinet and more. Also, with Pocket Quickem™ software and PenCall spreadsheet you can track your personal or business expenses and create a spreadsheet on the go! Get this much for this little-

$599.95

*Pager card is optional.

Plus You Can Get A $50 Rebate for Subscribing to AT&T PersonaLink™ Services.

Offer good through June 30, 1995. Details at The Coop.

Simply Incredible - It’s The Versatile Sony PRD-150 Portable CD-ROM Player.

It connects to the PCMCIA slot of your DOS/Windows compatible computer. It’s a unique portable compact disc player but it’s also a truly lightweight, portable multimedia CD-ROM drive for your laptop PC. This CD-ROM Discman player features double speed, 300Kb per second data transfer, and is compatible with CD-ROM types I and II Discs, photo CD (single or multi-session), CD-ROMXA Disc, and all audio compact discs. Operates on supplied AC adapter or 2 AA batteries (not included).

$399.95

1995 Sony Electronics Inc. Sony and Magic Link are trademarks of Sony. All other trademarks or service marks are trademarks or service marks of their respective holders.

Sony will be demonstrating the Magic Link and portable CD-ROM player from June 5-8, Mon-Thurs 11AM-4PM, at the Harvard Sq. and Kendall Sq. Coop.

Kendall Sq. Cambridge
For more information call 617-499-2000
email: info@thecoop.comW: http://www.thecoop.com
Some People Commit Child Abuse Before Their Child Is Even Born.

According to the surgeon general, smoking by a pregnant woman may result in a child's premature birth, low birth weight and fetal injury. If that's not child abuse, then what is?

Retiring Dean of Undergraduate Education and Student Affairs
Arthur C. Smith shown in the 1970s.

"But to make up for that, if you like, the computer industry has appeared on the scene, and it seems to be a place also where I think it's particularly congenial to a lot of what I think of as MIT-type people who had a little bit of spirited adventure, are very bright, are willing to put their career where their mind is, in the sense that they will form a company, they will go and work in startups, companies," Smith said. "That was not quite as prevalent then. The chip has not only reduced the size of the devices and made things possible of increasing complexity but it has made easier in some ways easier to take an idea to marketable. So I think the role of the entrepreneur is different now than it was then," Smith said. "A good idea, a clever program, and you're on your way. At that time, the scope of what it took to make a useful device was just a lot different."

But everything was different. Despite these integral changes in technology, society, and economic reality in the past three decades, students then and now share fundamental similarities, Smith observed.

For one thing, "they're still about the same age," Smith said. "The students then were very bright, very quick, as they are now. They were fun to teach because they caught on very quickly. They often asked questions you didn't know how to answer. They were willing to work hard, and did, all of which are characteristics of ... students I know now."

Dean post once not so certain
Smith's extensive experience with students was recognized last month with the naming of a new Institute award in his honor. The award will be given to a faculty member for "meaningful contribution to student life." It may then come as somewhat of a surprise that in 1990 Smith was reluctant to become acting dean for student affairs.

Smith was asked to be acting dean by then-outgoing Provost John M. Deutch '61 and President Paul E. Gray '54. "Certainly the thought that I wasn't taking it with the idea that they had made me a long-term promise, is true. However, I may have said I didn't believe it was ever in my mind that I was going to quit doing it within a year unless somebody else was found to do it."

The shift to becoming dean "did involve some very major changes not only in how I work but in what I do," Smith said. "I had been doing the job as graduate officer in electrical engineering and computer science for something like 17 years, which was pretty habit-forming, and also a little hard to turn off. I taught 6.012 (Electronic Devices and Circuits) that fall while being dean, which was difficult. And then while we had somebody else to do most of the graduate officer work, I did the graduate admissions in the spring."

"Maybe I wanted to find out whether I really had to do or not," said Smith of his reluctance. When Smith's predecessor was being selected, "there was a search and somebody asked me if I wanted to be dean. I didn't want to be dean. I just didn't have time because I think I had an exaggerated idea about how much of your time you take up with the 'bad side' of deanings as opposed to the 'good side.'"

"Hearing to be the person who deals with the tragedies that occur, having to be the person who deals with the mishap - those are the bad side kinds of things, the things that need to be done, and end up being done in the Dean's Office. It turns out that the dean himself doesn't actually have to do much of that sort of thing," Smith said.

Smith Looks Back on Students, Life Then and Now
By Ramy A. Amaut

First of two parts:

Dean for Undergraduate Education and Student Affairs Arthur C. Smith will retire at the end of this month after 30 years of teaching and advising students at MIT. While he is notable in part for being the first dean to unite the offices of undergraduate education and student affairs, Smith's tenure at MIT and experience has also given him a unique and valuable perspective on the relationship between the Institute and its students.

During his career, Smith has seen notable changes in both the composition and social habits of the student body, he observed in a recent interview.

"When I came here, I think there were three black students," Smith said, who has also served as EECS' graduate officer. "The students then were very bright, very quick, as they are now. They were fun to teach because they caught on very quickly. They often asked questions you didn't know how to answer. They were willing to work hard, and did, all of which are characteristics of ... students I know now."

But not everything was different. Despite these integral changes in technology, society, and economic reality in the past three decades, students then and now share fundamental similarities, Smith observed.

For one thing, "they're still about the same age," Smith said. "The students then were very bright, very quick, as they are now. They were fun to teach because they caught on very quickly. They often asked questions you didn't know how to answer. They were willing to work hard, and did, all of which are characteristics of ... students I know now."

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Congratulations to all those graduating. For all those still here, good luck getting through "hell," and consider being a part of Technique.
The MIT libraries will undergo two important changes this summer as a search committee narrows its choices for a new director of libraries with Jay L. Lucker, who is retiring, and administrators work to install a new computer operating system.

The search committee has winnowed the field of candidates down to nine, according to Professor Peter S. Donaldson, head of the literature section and chair of the committee. The committee chose seven candidates to present to the committee on the topic "The Role of the Research Library in the 21st Century," and the rest will do so next week, Donaldson said. While he declined to name names, Donaldson did say that none of the candidates are MIT staff or faculty.

The committee plans to report its recommendations to the provost and president within the next several weeks, Donaldson said. The committee hopes they will choose a new director by Sept. 1, a day after Lucker's Aug. 31 scheduled retirement.

Committee members noted that the new director must have a strong interest in and commitment to technology. Besides being interested in "traditional library services," the new director must "lead the MIT Libraries in terms of information technology," said Dutch D. Chung W, one of two students on the 11-member committee.

The top candidates must have the "capacity to lead change in the library world" by making use of the technological and information revolution being brought about by the Internet and the World-Wide Web, Donaldson said.

"Everyone considered has had great interest in information technology," Donaldson said. The new director "doesn't have to be a technologist, but should have familiarity with information technology and with what is hot."

In general, the committee is looking for a "candidate interested in user input and improving service to the libraries," Chung said.

New system ready by fall

In addition to a new director, the libraries will be moving to a new computer operating system this summer, said Greg Anderson, MIT Libraries' associate director for systems and planning. The new system will be more powerful, have more sophisticated indexing, searching, and processing capabilities, and be better structured than the current GCAC 9000 system, Anderson said.

"For its time, the current system served MIT well," Anderson said. "In today's computing and networking environment, however, the system is not powerful, open, or flexible enough to meet the requirements of the MIT community."

The conversion to the new system begins next week; it should be up and running by the end of the summer, Anderson said. The transition has made some services unavailable, such as placing holds or recalls on books and renewing books by phone.

Anderson views maintaining the accuracy of the library database as a top priority in the conversion to the new system. "Library catalog information is at the heart of MIT because it represents and provides access to much of the intellectual capital of the Institute," he said.

Culminating the changeover will be the development of a client/server system for the Libraries. That part of the new system, also a joint effort between MIT and the Newtonville, Mass.-based GEAC, will be in place by next summer, Anderson said. The current system is host-based, which means that one central computer does all the processing of data for every user of the system, and individual users connect to this machine. Professor of Electrical Engineering and Computer Science Jerome H. Saltzer '61, head of the Library 2000 Group at the Laboratory for Computer Science, described this as the "milking machine attachment mechanism."

By contrast, in a client/server system like the one on which Athena is based, client software on the computers of individual users access data and information from a small number of server machines, and the clients themselves do the actual processing. This more evenly distributes the burden of processing throughout the network, and makes the system more flexible and adaptable to future changes, Anderson said.

The client/server model is an essential part of the planned development of clients for platforms such as the World-Wide Web, Anderson said.

The $360,000 system is the result of a five-year-long collaboration between the Libraries and Information Systems to improve public access, Anderson said. Originally scheduled for completion late last year, the project was delayed last June when the company originally chosen to design the system changed its plans "MIT Libraries' Barton Replacement on Hold," Sept. 23. "For its time, the current system served MIT well," Anderson said. "The system is not powerful, open, or flexible enough to meet the requirements of the MIT community."

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In Quest for Balanced Budget, Congress Hurtles Student Loans

Loans, from Page 1

ence research.

But Democrats in Congress and the Clinton administration say the cuts would have a much deleterious effect. "Whatever the reduction is — a quarter or a third — it's big, and it's a reversal of historic trends," said John H. Gibbons, presidential science adviser.

"We've lost sight of federal funding in education and research as investments," said President Charles M. Vest. "People are looking at them as costs and budgets to be cut down."

Many administrators and faculty have been working very hard over the past few years to let people see the importance of MIT and the nation's other research universities," Gibbons said. "We will be calling upon that sense of responsibility, that sense of commitment, to go on working very hard and be very well aware of the significance of many of the proposed cuts," Lister said.

Student loans will be hurt

Stanley G. Hudson, director of student financial aid, described the House cuts in student loan programs as "draconian." The House budget, while not specifying cuts, indicates that the interest exemption would be eliminated for all students.

A late amendment to the Senate version of the bill restored $9.4 billion of $13.8 billion in cuts to student loans. The Senate cuts "are a bit less troublesome but still considerable," Hudson said.

It is possible that President Clinton could veto the budget, Hudson said. He has made strong statements against cuts in education, but it might be difficult to veto the whole budget.

At any rate, there will be a "clear reduction in grant money available," and possible loss of the in-school interest subsidy, Hudson said. The interest subsidy helps not only the neediest families, but also middle-income families, he said.

One Senate proposal is a compromise on the interest subsidy where it would only be eliminated for graduate students. For students in long-term PhD programs in departments that do not have many fellowships, costs could go up by 22 to 25 percent, Hudson said.

A secondary effect of these cuts is that potential students might be discouraged to apply to places like MIT even more so than usual, he said. "We think we saw the effect back in the 1980s in terms of a drop-off in the number of applicants from lower-income families; even though the cuts did not go through.

The Massachusetts delegation "will very likely be looking into possible replacements. W,ojdowski said [see article, page 25].

That advocacy is particularly important "with the funding cuttings issues for research assistants," Wojdowski said [see article, page 1]. "The dean of the graduate school has had to assure us that he will really work to help the problems that arise because of the cuts."

The academic dean "needs to be aware of what's happening in graduate school," Wojdowski said, adding that the new dean "looks at innovative ways to make sure that graduate students can continue to be funded at least as well as present levels."

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Grad School Dean Should Be in Place By End of Summer

By Ramy A. Arouna

The successor to Dean of the Graduate School Frank E. Perkins '55 will very likely be named by summer's end, according to President Charles M. Vest. Perkins has announced that he will step down from his current role in late August to resume teaching and research in his role of Civil and Environmental Engineering.

Professor Robert L. Jaffe said the committee named earlier this year has been looking into possible replacements. "We're quite a ways along in the process," he said. "We've specifically talked with those about their careers in an inspiration," Jaffe said.

Negotiations for the new dean continue, said former Graduate Student Council President Roger G. Kermode G.'90. "The process didn't 'work.'

The[m] is the one who should continue to be open for graduate students experiencing difficulties.

That advocacy is particularly important "with the funding cuttings issues for research assistants," Kermode said. "The office should be open for graduate students experiencing difficulties."

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The Tech News Hotline

253-1541
Woman Collapses
After Chemical Spray
Attack in Restroom

By A. Arif Husain
ASSOCIATE NEWS EDITOR

Several people were overcome by fumes and one woman collapsed after an attacker released a chemical irritant spray in a Building 4 restroom (4-352) on May 18, according to Campus Police Sergeant Cheryl D. Vossmer. Buildings 4 and two adjacent buildings were evacuated because of the fumes.

The incident, which took place at around 10:30 a.m., was reported when a number of people nearby smelled the fumes and mistakenly suspected a chemical spill, according to a letter issued by Mary M. Tobin, Physical Plant operations center supervisor.

According to Campus Police Chief Anne P. Glavin, man entered the women’s restroom and sprayed “a cayenne pepper spray” at a woman over a stall door. The spray is believed to have been of the type used commonly for self-defense. The suspect immediately fled, she said.

The victim, whose name has not been released, was an undergraduate, Vossmer said. She was taken to the Medical Center, where she was treated and released. Other women who had been in the restroom during the attack were also given medical attention for exposure to the spray’s fumes.

The Campus Police, Physical Plant, and the Cambridge Police and Fire Departments responded. Buildings 4, 10, and 3 were evacuated while the situation was investigated. Evacuees were allowed to return the buildings within a short time, Glavin said.

The suspect is believed to be a white male 25 to 30 years old with a square chin and heavy build. He was reported to have been wearing heavy dark framed glasses and had stringy hair pulled forward, Vossmer said.

While the Campus Police has gathered photos of possible suspects, the victim was unable to make a positive identification, Glavin said. The case will be difficult to pursue without further leads, she said.

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Jim’s Journal

by Jim

Steve asked me to come to a baseball game today.

We sat and talked during the slow parts of the game.

Steve isn’t really a baseball fan or anything, but we decided it would be fun.

Once, people started booing and Steve yelled, “Ya bum!”

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PAPA FLASH & THE WONDERS OF STROBE ALLEY

SEEING THE UNSEEN

Dr. Harold E. Edgerton and the Wonders of Strobe Alley

edited by Roger R. Bruc

introduction by James L. Enyeart

essays by Douglas Collins and Joyce Bedi

"just as place names the Cape Codmerial and Kitty Hawk have become cultural artifacts, so has Harlor Edgerton’s 1927 photo of a bullet’s trajectory in flight -- a wonder of both art and science. For decades these amazing images punched out of MIT’s Strobe Alley, Doc’s name for his lab rooms and the corridor into which so many of his experiments seemed to spill. Previous accounts of this work have focused on the artistic quality of these images. Seeing the Unseen differs in its dual focus on the art and the science of this exemplary teacher/entrepreneur whose innate curiosity led him to fashion wonderfully imaginative means of stopping time to investigate the details of natural phenomena."

A biographical essay by Douglas Collins traces Edgerton’s odyssey from Aurora, Nebraska, to Cambridge, Massachusetts, where he taught several generations of engineers to think creatively, and where he developed the tools that allowed him to capture high-speed photographic images. And an essay by Joyce Bedi reviews the historical antecedents of Doc’s innovative technology: Innumerable are the Kirkside inventors who explain the tools and techniques of high-speed photography. The essays are accompanied by 143 illustrations from Edgerton’s work.

Seeing the Unseen also contains an “electronic gallery” – a Kodak Portfolio Photo CD for both Macintosh and Windows – with 122 additional images, selected primarily for their aesthetic appeal.

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STOPPING TIME

The Photographs of Harold Edgerton

forward by Harold Edgerton

text by Estelle Jusser

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The book features a large collection of Doc’s photographs on postcards and t-shirts.

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Technique effectively covers MIT student life

TECHNIQUE 1995
Lee Zamie '95, Laydown Editor.
Bridgeit M. Hunsar '93, Managing Editor.
Amy Alexander '96, Photography Editor.
368 pp.

By Evelyn Kao

A

A graduate student, I would say that I was pleased with this year's Techni-

que. This college yearbook has a hard task. It must record what the MIT

experience was to a large, diverse group of students, many of whom had

never met before. I believe that Technique 1995 has much to offer the dif-
f
ferent members of the MIT community. It effectively captures in pictures many different aspects of MIT, from sports to living in dorms, and will serve as a reminder of what I found MIT to be.

The book is broken up into signatures (groups of sixteen pages). The first two sig-
natures are mainly displays of various MIT buildings in color and duotone. There

are some amazing pictures of the Institute with which the Tech staff has, in many

cases, managed to transform the mismatched, looming buildings into geometrical pieces of light and color. Among these pictures, the Boston skyline and the police car back on top of the big dome. The pictures are generally clear, a nodding, well-done.

The first titled section is called "Journal." It provides a short history of the world and of MIT from February 1994 to February 1995 using times that is interspersed with news articles and dated pictures of MIT events.

The next section, entitled "Life in Hell," provides us with a cooler look on student life by including photographs of different aspects of MIT, such as dorms, professors, clubs, members...

Vital MIT things like Athena, alcohol, cafe, lectures, studying, partying, dorms, "Courses from Hell," and numbered every-

thing. The last subsection, "Questions & Answers from Hell," is the result of the ques-
tions that were posted on the columns at the registry of the infinite corridor. "What makes MIT MIT?" and "What made you laugh at MIT?" It is one of the most inter-
esting sections of the yearbook and offers direct feedback from members of the student body.

The remainder of the book focuses on stu-
dents, Tech staff, the Arts, "Courses from Hell," "Living Groups," and "Seniors" draw attention from the buildings to their inhabi-
ants, the exact opposite of the year before. The book is well-covered, with many photos of students acting, playing instruments, singing, running, jumping, and attacking. Each club or sport has an "action" shot. Unfortunately, there are no captions so the reader is left to figure out what the students are doing. Authors warn, "your family, your significant others, your Am-Ex payments."

Overall, this year's book is an improve-
m ent over last year's. Lee Zamie '95 deserves much praise for the layout and design of the book. It is well-written and consistent: there is continuity throughout. The break pages are understated and elegant with simple lines and pictures to indicate what is to come in the next section. Attention to detail will provide the viewer with something new to see each time the Technique volume is opened.

While there are more different people pic-
tured this year, there could still be more people. The number of candid student pictures should match the number of pictures of the Green Building. While these photos have much aris-
tive value and are pleasing to the eye, it is questionable that students will value the pic-
tures of buildings over more pictures of peo-
lle.

Fifty years from now, I will be able to come back to MIT and still see the build-
ings, in all their splendor and ruin. It is also

bad that too some of the team pictures are not in the yearbook, and there is also a defi-
cute lack of pictures of the Chorallaries. The book is a solid effort that most

readers would enjoy. However, if I had to choose my favorite section of this year's Techni-

cue, it would have to be the "Living Groups." I enjoyed the different perspectives from each group, and I am glad to own.

Chorallaries' Earshot infuses too much sensitivity

EARNSHOT

The Chorallaries of MIT.
Dean Cerrato G. director.

Technique 1995 is a tasteful keepsake that could still use more photos of people.

By Scott Deskin

The Chorallaries' latest release, Earsort, comes a scant year after their last effort, "24 Hour Notice." While the group is eager to serve up a new set of riffs and rhythms for MIT's ears, the result is marred by a lack of cohesiveness and consistency.

While the group is eager to serve up a new set of riffs and rhythms for MIT's ears, the result is marred by a lack of cohesiveness and consistency. The narrators' advice is sound, and much of their technical ability is diminished in recent years, as se-

en in the increasing length of the last se-

veral Bad Taste tours. However, if Earsort isn't a technical marvel, it does give the group a much-needed shot in the arm as far as its music is concerned.

As with the previous album, the songs are carefully divided into sections that are,

mainly arranged for solo voice and accompa-
niment, often with minimal instrumentation.

The human voice carries the group, the

ensemble comes together best on the backing vocals. However, the fact that the instrumental drum beats and various choral intonations that provide a firm basis for each of the songs on the album is a testament to the group's talent.

To kick things off, Duran Duran's "Rio" for the most part, evokes a distant sound that tends toward overblownness, and the voices which simulate synthesizer hooks and drum machines sound much closer than they should be, if the group were locked into one of its "Twelve" or "O.J." paradises at the Bad Taste concerts. The Indigo Girls' "Airplane" lends itself to a better capella interpretation, although the "jing-jang" grate after a while, and the pretentiousness of the lyrics — "closer

ey God to the — isn't suited from the original version, no doubt.

Two compositions by Sting, "Mad About You" and "Synchronicity I," find the group settling into a more relaxed groove (although some dead spots mar the technical favor of the latter song), and R.E.M.'s "Find the River" (with a heartfelt solo by original Peter Cho '97) are all welcome efforts, although the lyrics are still weighty. One wonders if the Chorallaries strive to find "sensitive" songs that complement their eager-to-please stage personas.

As always, most covers fare best when they stick close to the spirit of the origi-
nal song. This is evidenced on the playful and fast-moving rhythms of Thomas Dolby's "Blinded With Science," Peter Gabriel's "Kiss That Frog," and the B-52s' "Love Shack." Abright, so Michael Daly '95 is no Fred Schneider (in the case of "Love Shack"), but these songs showcase the group's flowing, well-tuned vocals that combine and adapt to the frivoly of their material.

When an a capella group like the Chorall-
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I down to specific locations. The fact that it whole city gives the story many more oppor-

The three stars act well, but their characters don’t evoke as much emotion from the viewer as those in Braveheart. In this third film, the lead character John McClane (Bruce Willis) enlists the help of Zeus Carver (Samuel L. Jackson), a streetwise shop owner in Harlem, to engage in a battle with criminals mas-

Based on the novel of the same name

The music was at best good, but soon draws

1. **Before the Rain**

Tony Scott’s latest action film (produced by the Simpson-Bruckheimer team behind Spinelli and being less confident — even the man born perhaps of Hans Gruber (from the first film), and Jackson), a streetwise shop owner in Harlem,

The Englishman is a low-budget, feel-good movie that excels at providing an in-depth look at provincial life in early twentieth-cen-
tury Wales. The plot is simple: Two English

However, the story in the original Die Hard was much more believable than this story. The slimmer number of coincidental encounters between the good guys and the bad
guys defies the laws of probability in favor of
dumb luck. Such events make action films interesting, but too many of them can turn the
effect.

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er who could not find inspiration, Naked Lunch involved a man whose entrance into a world of drugs and homosexuality was inspiration enough that his book basically wrote itself. Peter Weller gave a droll performance as the exterminator-turned-writer, Bill Lee, and the drug-induced settings of Interzone were very well made. The man behind the remake of The Fly and Dead Ringers has cre-
ated another morbidly intelligent, horrific and

New York’s under siege in third Die Hard film

**French Kiss**

French Kiss is an very good movie with a strong cast and well-crafted humor. Kate (Meg Ryan) chases her fickle fiancé Charlie (Tim Robbins) to Paris to win him back from a beautiful French woman (Susan Anbeh). On the plane trip, she encounters a mysterious Frenchman named Luc (Kevin Kline), who immediately cures her fear of fly-

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Costello celebrates variety, history of pop music

KOJAK VARIETY
Elin Costello
Warner Bros.

By Scott Deskin
STAFF REPORTER

Elin Costello's musical career has been as varied as that of any "survivor" in pop and rock critics' reviews of his last album,

"BRAVEHEART"

Directed by Mel Gibson.
Written by Randall Wallace.
Starring Mel Gibson, Catherine McCormack, and Patrick McGroohan.

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Braveheart is a bloody but fascinating drama

The Scottish clansmen and the English royalty intersect when Isabelle becomes infatuated with the passionate peasant hero, Wallace. Sent by the tricky king to offer gold and a truce to Wallace in person, her crush intensifies when she learns that the "savage" is trilingual. Suffice it to say that their covert liaison threatens to reconfigure the royal bloodstream.

Although the Scots have a impassioned ring leader and military strategist on their side, their cause is weakened by a handful of wishy-washy and traitorous nobles who managed to survive Edward's last round of peace talks. In addition to these internal conflicts, the English army has a decided technological advantage.

Starving, ill-equipped and vastly outnumbered, the rebellious Scots take on legions after legions of Briton's best in a series of bass- underscored battlescenes guaranteed to get your heart pounding. "They fought like war rior poets," the narrator says. Unfortunately, they died like misguided lambs.

Although a great many of the scenes in Braveheart are unusually gruesome, it is diffi cult to avoid being drawn into the ubiquitous life-and-death struggles. The battle scenes may be far-fetched and the sheer quantity of impaled, gouged, hacked, or smashed bodies a bit extreme, but the film as a whole is immensely satisfying.

Let's Party Europe is a humorous, helpful guide

Europe, from Page 14

in many ways Europeans are still going through the hunter-gatherer phase of evolution... anything they don't obliterate by deep frying, they drown in oil that has the same smell and consistency as Exxon crude.

The narrators have advice on just about everything, from hip-hop to personal hygiene. "If you're worried about wearing the same shirt five days in a row," the authors tell us, "it's okay... Regarding that three day stink you may acquire -- a few days smelling around Europe will convince you that nobody will notice."

All jokes aside, this reviewer is certain that MIT grad students will appreciate the great length to which the authors have gone to assure fairness and objectivity in their quantitative analysis of Europe's respective desensitizing tips.

An establishment's "fun factor" was derived through the use of a far-fetched mathematical equation, as follows: 

\[ \text{fun factor} = \text{decibel level measured at full capacity} \times \text{layers of gruff-fit found in the men's room} \times \text{how often the establishment gets busted by the cops; and the upshot} \]

An excellent alternative to traditional travel guides, Let's Party Europe conveys its nonsense advice in a humorous, readable, and portable package.

The MIT Public Service Center extends its sincerest gratitude to all MIT groups and individuals who made the Third Annual MIT/Cambridge Science Expo on May 3rd, a celebration of science for Cambridge 5th through 8th graders, a tremendous success:

MIT Student Volunteers:
Team of Coordinators: Andrea Shochet, Susan Lin, Laura Voyodich, and Sabrina Kwon.


Tour Representatives: Anthony Ives, Catherine Lavoie, Brian Choi, Michelle Miles, Annie Fortunato, Lee Henderson, Lee Ken Michlitch, Brad Rickerson, Joe Wenisch, Chris McNulty, Peter Rice, and Jim Rath.


Hands-on Demonstration Volunteers: Tony Caloggero and Kim Vandin from the Edgerton Center; David Otten and the MITEE Mouse from the Lab for Electromagnetic and Electronic Systems; Jason Wong and Jennifer Reyna for the Chemistry Magic Show; Lik Mui and other members of Eta Kappa Nu for their Aero-plane exhibit; and Sharon Yang Pong for her Environmental Conservation demo.

MIT Departments and Groups:
Mike Foley and Campus Activities Complex; Campus Police; the Saftey Office; Corrie Lathan, Sherry Modestino and the Department of Aeronautics and Astronautics; Professor Kellenbrander and Eric Wewa and the Department of Material Science And Engineering; Dick Pedricchizz and the Wind Tunnel; PaulThomas, Paul Rivenberg and the Plasma Fusion Center.

Congratulations to the Class of 1995! Continue your spirit of community and public service after graduation!
Imagine... a world not dependent on fossil fuel energy, no longer relying on fusion power and irrelevant hot fusion experiments.... A world of inexhaustible, clean, cheap energy that knows no national boundaries. That world is coming....very soon. READ ABOUT IT NOW! Take nothing for granted—especially reports from vested interests. Study the now voluminous technical literature of "cold fusion" and new energy technology. Scientists, engineers, and investors: You cannot afford to be without this information.

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Dr. Eugene F. Mallove
Cold Fusion Technology, Centro, N.D., 58721
Cold Fusion & New Energy Technology—An Overview
Edited from professionally taken video footage of the Hydrosonic Pump under test as presented at the Fifth International Conference on Cold Fusion (ICCF5) held in Monte Carlo, Monaco in April 1995.

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Nuclear fusion is a highly speculative approach to generating power that is difficult to understand. The technologies involved are not yet sufficiently developed to produce fusion on a large scale. Moreover, the costs of achieving nuclear fusion are expected to be high.

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Our students keep getting better. Our applications and acceptance rates went up this year quite dramatically. Despite the slowdown in the economy and the cost-cutting, we've hired well over 100 faculty in the last four-and-one-half years. If we can just define our goals and make some shifts and changes... I think we'd do just fine.

The Tech: The House of Representatives just passed a budget resolution yesterday that cut the research base for universities and institutions of higher learning - and in a way that is very unfortunate. These were the last four-and-one-half years. There is no question that research universities are in a very difficult situation. Further, the House cut the part of the budget that goes to support research and education and they seem particularly threat- ened. And they seem to be threatening the support that the House has spoken around Congress that was signed by Republican and Democrat. The other area I'm very concerned that we're operating too reactively and that we're not getting mired down in that and to keep moving ahead.

Vest: I think we ought not only to look at the immediate actions but the potential actions for the long run. That's an important accomplishment to date.

Vest: Well, first of all I appreciate your optimism. It's a bit frustrating during these last four years. The Institute's main research office have been much more dominated than I would like by concerns of the federal government and public 

Vest: There's a tremendous change for the Institute. One of the things that is most immediate problem is that the Congress appears to be deciding to have extraordinarily deep budget deficit over a fairly short period of time. And the general approach is very single-minded: Let's just get the budget in and worry about the consequences in maybe a year or two later. That's what's creating these very important immediate dangers.

Vest: We're having very hard to get all of the budget cuts out of the endowment. That will dramatically reduce the productivity of faculty on research grants and contracts, so that as funding declines, it will be much harder to get support and infrastructure-building and things like that. It's slightly harder to do re-engineering that long run it is an important piece of our strategy.
Charles M. Vest

need to be cut out in order to foster others.

We'll probably have to do more of that, but those aren't decisions that should be made unilaterally from the central administration. But we may have to put in processes to think about those more distinctly.

But it is a great challenge and unannounced at all very good at it.

The Tech: I wanted to ask about two very immediate concerns. When do you expect to name the next dean of the graduate school and of undergraduate education and student affairs are those two things?

I expect that the two deans will be announced in the next few weeks. For the sake of students, I wish I could make the announcement before the end of the semester with some future becoming more faculty coming with a committee having done the search.

The Tech: Looking at undergraduate education, do we have any changes over the last few years — the new biology requirement and the review of the practice of teaching in science and engineering, the added success to the endowment for scholarships. That's something that I've talked about and the focus on the graduate school as vice president for development. Glenn P. Strehle '58 became chief financial officer for the institute as vice president for finance, and continued as treasurer. James C. Follum became vice president for administration. And Joan Rice took a newly defined role as associate provost for the arts and human resources. It was a very major reorganization and I must say I am extraordinarily happy with the way it is working out. We've brought some major new talent into the team and we've virtually everybody on that side of the house some new duties and challenges, and I am very pleased with the way that is working.

If we can do as well with the academic appointments, I'll be very happy.

The Tech: That's the side of the administration that really doesn't see directly the financial side of the house and how can you organize the success of the changes?

Vest: There are two or three things that come clearly to mind. First of all, the changes that have occurred in terms of improving the quality of service and increasing their cost-effectiveness. And that's the way in which I've been calling on most of the people for leadership.

But in the meantime, I'm pleased up making really quite radical changes in terms of reengineering in science and engineering, increasing their cost-effectiveness. What is the way in which I've been calling on most of the people for leadership.

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The Tech: That's the side of the administration that really doesn't see directly the financial side of the house and how can you organize the success of the changes?

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The TECH
Today I was just sitting around when I realized I was really tired.

So I took a nap.

I got up when Mr. Peterson knocked something off the table in the other room.

Today while I was watching TV, Mr. Peterson sat on my lap and purred.

I was watching some kind of loud car chase show, and the volume was turned way up.

But Mr. Peterson slept and purred despite all the noise.

Then, at one point, Mr. Peterson got up and shifted her position a little bit, then fell back to sleep.

Congratulations
to these graduating Tech staffers.
Thanks for all your help, and good luck with your future endeavors.

Diana Bancila
Raajnish A. Chitaley
Rich Domonkos
Teresa Esser
Evelyn Kao
Sarah Y. Keightley
Matthew E. Konosky

Yueh Z. Lee
Garlen C. Leung
Trudy Liu
Michael C. Morgan, PhD
Eva Moy
Matt Neimark
Carrie Perlman

Ben Reis
Eric Richard
Nicole A. Sherry
Pradeep Sreekanthan
Justin Strittmatter
Jeanne Thienprasit
Oscar Yeh
**POLICE LOG**

The following incidents were reported to the Campus Police between May 13 and June 1:

**May 13:** Student Center, bicycle stolen, $400; Bldg. 9, old bicycle stolen, no value.

**May 14:** Rockwell Cage, funny pack and contents stolen, $120; Bldg. N51, larceny of cash and supplies, $690.

**May 15:** Bldg. 2, suspicious person; Bldg. E5, harassing mail; Bldg. 8, harassing phone calls; Bldg. E32, suspicious mail.

**May 16:** Bldg. 14N, larceny, $23 cash; Walker Library, larceny of cash and pager, $100; Bldg. W11, larceny of cash, $50; West Annex Lot, 1988 Jeep stolen.

**May 17:** Hayden Library, larceny of wallet and jacket unknown value; Ronch Library, larceny of a laptop computer, $2,800; Bldg. E32 Plaza, larceny of a bicycle, $1,200.

**May 18:** Bldg. 10, larceny of hand truck, $200; Bldg. 66, larceny of laptop computer, $2,000; West Annex Lot, larceny of a "91 Honda Accord; West Annex Lot, recovery of a stolen motor vehicle; West Annex Lot, attempted larceny of a motor vehicle; Bldg. 4 third floor women's room, aggravated assault; Bldg. W20, Athena cluster, larceny of a backpack, $130.

**May 19:** McCormick, harassing phone calls; Bldg. 66, James Norton, of 169 Chestnut St., Waltham, arrested for trespassing; E52 Plaza, larceny of a Raleigh bicycle, $250; Massachusetts Avenue and Memorial Drive, Carl Estrella, of 29 Newton Ct., Cambridge, arrested for disorderly conduct; Beasley, larceny of a microwave oven, $150; Bldg. 38, larceny of a 10 speed bicycle, $100.

**May 20:** New House, larceny of a mountain bicycle, unknown value; E52 Plaza, larceny of a Trek bicycle, $200.

**May 21:** Bldg. E15, larceny of a computer notebook, $500; Bldg. E19, harassing phone calls; Sailing Pavilion, attempted larceny of boats.

**May 22:** Beasley, larceny of a mountain bicycle, $200; Bldg. 10, suspicious activity; Bldg. 1, larceny of cash, $80; Bldg. 15, larceny of a wallet, $30; Bldg. W20, larceny of a wallet, $20; Bldg. E15, larceny of airplane tickets, $4,413.

**May 23:** Bldg. 10, larceny of cash, $12; Westgate, larceny of clothes, $107; Bldg. E15, larceny of a computer, $6,700.

**May 24:** Hayden Library, larceny of cash, $15; Hayden Library, larceny of a pocketbook, $25.

**May 25:** Bldg. 7, Derek Burrill, of 183 Curvin Circle, Lynn, arrested for trespassing; Killian Court, striking and vandalizing, $800; Bldg. 11, wallet containing, $560 stolen; Johnson Athletic Center, generator stolen, $700; wallet stolen from Hayden recovered in Bldg. 4 minus $12; Student Center, Nathaniel J. Kaplis, of 31 Calvert Rd., Waltham, arrested for assaulting an officer and trespassing.

**May 26:** Next House, loading dock, car window broken and a suitcase stolen, unknown value.

**May 27:** New House, laptop computer stolen from unlocked room, $2,000.

**May 28:** Bldg. 66, scale stolen, $1,000; Bldg. E19, annoying phone calls; Bldg. 36, $110 cash stolen.

**May 29:** Bldg. E17, $50 cash stolen; Bldg. 35, computer chips stolen, $200; West Annex parking lot, Honda Accord broken into, $600 lost; Bldg. 19, $100 cash stolen.

**June 1:** Burton bicycle rack, Trek bicycle stolen, $410; Bldg. E15, walkman and headphones stolen, $120; Hayden Library, suspicious mail; Bldg. 48 lot, Toyota Camry broken into, stolen car phone, $250; Bldg. 10, vandalism.

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if you're returning to MIT in the fall:

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*except for special programs

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Seeds for Basic Education Change Planted, Vest Says

Vest, from Page 21

We've actually increased the percentages of women and minorities in every category — undergraduate, graduate, and faculty — with Paul Gray and John Deutch, we've made enormous progress in the nature of our undergraduate student body, and I think we should be institutionally very proud of that. The notion of getting to make inroads into the graduate program, I'm disappointed that it hasn't been more rapid, but it is coming along. And the faculty, of course, has been the biggest disappointment. We have gone up in terms of percentages for both women and minorities, but the absolute numbers are far too low, and I consider that close to a failure at this point. We've got to double and redouble our efforts in that area.

I think we have made substantial progress in the area of computing. Bring the sound, rational MIT approach to both the science and technology and ultimately the policy of major environmental issues — we've made good progress there. We certainly have retained a very leading position in information technology broadly and some new work is starting. I've got a very high on my agenda. We've done very strong work together with Lincoln Laboratory and private industry in developing all-optical, very high speed communications technology. Work at the Laboratory for Computer Science and Media Lab and AI Lab, continues to be strong, and our new role in the World Wide Web is important, and I think we will continue to see increasingly more innovative work in terms of technology and what they ultimately mean for society. So we're coming along in those areas.

We have not been able to accomplish as much as I had hoped in really my hope over these next several years to be possible, but I've had to shape my approach, and we've not been able to develop the funding to do on as massive a scale as I had hoped. So we've got a lot more work to do in that area.

The biggest disappointment is that I had to spend on much time fighting with the federal government. It is a disaster to have a very leading position in information technology. Work at the Laboratory for Computer Science and Education, and sym- phony-goers. MIT has also received some support from the National Science Foundation, which is part of the national program in University to function in the best possible way in this budgetary climate. MIT is committed to continue was recognized as a very important part of the national program in nuclear physics. The nuclear physics community, including John H. Gibbon, science adviser to President Clinton.

Local congressmen oppose cut

Rep. Peter G. Torkildsen, whose district includes Bates, and other members of the House Appropriations Committee were quick to challenge Bates and the importance of the accelerator program at a whole.

Torkildsen released a statement yesterday thanking Torkildsen for his sup- port. "MIT is committed to continuing to work on behalf of this area of national significance. We hope it can be turned around," he said.

The university accelerators have played an important role in the development of nuclear physics, including John H. Gibbon, science adviser to President Clinton.

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Congressional Cuts Will Impact Loans

Loans, from Page 10

state's economic livelihood, Hudson said. MIT is working "closely with higher education associations that are trying to get the message to Congress," Hudson said.

Division agencies hit hard

NASA, DOE, and civilian research funded by the Department of Defense would see some of the biggest cuts. For example, the House proposes reducing NASA funding from $14 billion to $11.7 billion by 2006. Despite the cuts at NASA, the overall goal of the measures is to take it out of unnecessary infrastructure and to preserve research programs, according to Professor Earl M. Murman, head of the Department of Aeronautics and Astronautics. It is difficult to predict the effect on MIT research, because programs are not specifically being cut, Murman said. Energy research funding will see large cuts—a total of $7 billion over five years in the House bill—but would continue even if the Department was eliminated. The largest energy cuts will be in environmental restoration and cleanup, which provides little funding for MIT, according to Head of the Department of Nuclear Engineering Mdj S. Kazimi. "At universities, including MIT, these cuts will affect the research support available for nuclear physics and plasma fusion," Kazimi said.

The cuts may not have as serious an effect at MIT, because "MIT developed research projects that are funded by utility groups from the United States and abroad," Kazimi said. "I will not be surprised if this trend towards global funding of MIT research will expand in the next few years.

The recent threat to the Bates Linear Accelerator [see article, page 1] is not part of the budget resolutions passed last month. The cuts to Bates were proposed in a follow-on bill that authorizes funding within the framework set out by the budget resolution.

The National Science Foundation and the National Institutes of Health face less severe cuts than many other agencies. The House would leave the NSF budget largely untouched, while the Senate proposes a $100 million cut in its $3 billion budget. The House proposed a 5 percent cut in the NIH's budget, while the Senate proposes a 10 percent cut.

Humanities face deep cuts

Though most of the money MIT receives from the federal government funds science and engineering, MIT does receive a small amount of funding from the National Endowment for the Humanities. MIT has probably received about $2 to $3 million in NEH funding over the last five years, said Philip S. Khoury, dean of the School of Humanities, Arts, and Social Sciences. The funding has focused on multimedia studies, especially at the Laboratory for Advanced Technologies in the Humanities.

The NEH is the largest source of research funds in the humanities in the United States, Khoury said. Though the annual funding is only about $177 million, it is important because researchers can use NEH money as leverage to get more resources from private foundations or individuals.

Elimination of the NEH would be a "major loss for MIT," he said.

There have also been proposals to cut NSF funding for social science research. "We don't think that is going to happen any year, but the future isn't looking very promising," Khoury said. MIT's prominence in linguistics, economics, and political science is heavily dependent on NSF grants, he said.

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MIT Alumni/ae Association
Room 1-140
(617)253-0743
mlines@mit.edu

Please keep in touch with us so we can keep in touch with you!

The Baker Memorial Foundation, a student organization dedicated to improving undergraduate student life, would like to congratulate the following professors as the 1994-1995 recipients of the Baker Foundation Award for Excellence in Undergraduate Teaching (excerpts from the student nominations follow)

Kirk Kolonenbrander, Assistant Professor, Department of Materials Science and Engineering
Elena Ruehr, Lecturer, Department of Music and Theater Arts

"Not only have I learned an incredible amount of material in [Kirk Kolonenbrander's] class— one of the toughest classes I've taken— but I've also enjoyed every minute... It has been a pleasant surprise to take a class, put in the time and effort to learn, and find that your professor is working hard towards the same goals."

"Elena Ruehr was an exciting teacher who got everyone in the class involved. Her energy and enthusiasm seemed boundless, and she really transferred that enthusiasm to her students."

The Baker Foundation would also like to recognize the following professors who were also nominated, as well as thank the many students who thoughtfully nominated them.

Rohan Abhayaratne
Daron Acemoglu
Takako Aikawa
Tomas Arias
Michael Artin
George Bekeri
William Bertzkei
John Brisson
Peggy Cebe
Steven Chorover
Christopher Cummins
Peter Dodds
John Ensiemann
Eric Pernald
Douglas Forsyth
Louis Galdieri
David Jerison
Yael Karshon
Daniel Kemp
Susanne Klinglestein
Eric Lander
Alan Lazarus
Steven Leeb
Charles Leiserson
Watson Markay
Kenneth Manning
Arthur Mattuck
Leonard Mors-Fortier
Fenicky Penn-Mora
Peter Ragonne
George Rathjens
Elizabeth Redding
Christ Richmond
Gian-Carlo Rota
Candace Royer
Donald Sadoway
Jerome Saltzer
Christopher Sawyer-Lauccanno
Martin A. Schmidt
Judah Schwartz
William Siebert
Michael Sipser
Karen Smith
Robert Solov
Parsakawa Spicacas
George Stephens
Charles Stewart III
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Jeremy Wolff
Siman Wong
Evan Ziporyn
Barton Zweibach
**Classifieds**

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**Events**

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**Miscellaneous**

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June 12-16

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Men's Track Sends 3 to NCAA Contest

By Roger Crowley

The men's track team sent three athletes to the NCAA Division III national championship at Carleton (MN) College over Memorial Day weekend. Ethan Crain '95, John Wallberg '96, and Matt Sandholm '96, represented MIT at the All-New England Championship. Crain turned in an All-American record breaking performance in the 3,000-meter steeplechase with a time of 9:08.4 to place second in the event and a runner from Yale. Crain will compete in both the steeplechase and the 1500-meter race at the national championship.

Wallberg placed fifth in the hammer throw and sixth in the discus at the New England Championship. He competed in both events at the NCAA's. Sandholm, who was seventh in both the 100- and 200-meter races last weekend, competed in the sprints. Andy Ugurov '95 will represent MIT in the CAA Division III Championships. Ugurov placed fifth in the triple jump with a leap of 44 feet, 10-3/4 inches. He was also seventh in the high jump at 6 feet, 5 inches.

Weiner's Track and Field

Kristin Ratliff '95 closed her MIT career in style with a second place finish in the discus and the All-England Championship. Ratliff threw the discus over 127 feet.

Men's Lacrosse

Three members of the Pilgrim League championship MIT squad were participants in the New England East-West Collegiate All-Star game held at MIT. Defenseman Chris Berg '95, goalie Mike Kwon '95, and midfielder Abe Udoh '95, represented the Institute.

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Although official MIT team sports have long since finished for the season, the athletic fields remain filled with students enjoying the arrival of warm weather. These volleyball players took advantage of the late afternoon sun on Sunday to set up their court between Amherst Alley and Kresge Auditorium.

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