Rotch renovations may end this month

By Joey Marquez

The School of Architecture and Planning's Rotch Library has added 22,000 square feet — an expansion and renovation effort initiated 18 months ago. The newly constructed addition is already in use, and renovations to the older sections will be completed later this month or early in December.

The addition to the library employs a "unique form of construction," said Director of Libraries — Jay K. Luckter. The floors of the new section are suspended from the roof beams, rather than supported from the ground, as is the case in most buildings. This was done to maintain the truck loading area, and to maximize available space.

"When Luckter arrived at MIT in 1975, the president providesthat time asked him to make an "assessment of library space," he said. He found that "additional space for Rotch and general space for storage of library materials" were the two greatest problems.

He brought his findings to the administration, which investigated possible places for the new library. After careful consideration, the "most feasible" idea was to "maximize the existing library," Luckter said.

MIT took on the project, which has an estimated cost of $6 million. The Department of Architecture helped meet most of the cost by soliciting donations from alumni.

MIT settled on a design proposed by Schwartz/Silver Architects of Boston, after rejecting five other proposals in the competition. According to de Monchaux, the Department of Architecture is willing to rename the library after any donor who gives a large sum to the project, which has an estimated cost of $6 million.

A formal dedication will be held in the spring.

Weld beats Silber; Democrats gain seats

By Brian Rosenzweig

Massachusetts voters elected Republicans William P. Weld governor, over Democrat John R. Silber, and defeated the controversial tax rollbacks for the second time in two years.

The Republican ticket of Weld, with Paul Cel- lio for lieutenant governor defeated the Silber and Marjorie Cohn-covered team by a vote of 1,174,916 (52 percent) to 1,098,022 (48 percent), with all but one of the 235 precincts reporting.

Governor-elect Weld, the first Republican to be elected governor of Massachusetts in 16 years, said the state's economy is "in the right direction" and that his administration "will be run on a pay-as-you-go basis." With the economy recuperating, Weld said he believed voters wanted a change. "I think the people want a change," Weld said. "They want a change in the basics of government, the basics of fiscal responsibility." 

The College Board updates SAT to reflect education trends

By Jeremy Hilton

Beginning in 1994, the Scholastic Aptitude Test (SAT) and achievement tests will undergo a radical change in content, focusing more directly on reasoning and higher-level thinking skills, according to the College Board.

The changes were made to keep the tests up to date with changing educational trends, college curricula and testing methods.

The new battery of tests will eliminate the Test of Standard Written English and the English Composition with Essay tests. The new exams will add subject tests in writing, Chinese, and Japanese.

The changes in content are changes in the classification of the tests. The exam will no longer be called the Scholastic Aptitude Test, but simply the SAT, said Janice A. Gams, associate director for public affairs for the College Board. The standard battery will be called SAT 1 Reasoning Test.

The achievement tests, including the writing tests, will fold into the SAT II Subject Test category. The new exams will be used in the 1993 Preliminary Scholastic Aptitude Tests (PSAT) before being introduced in the 1994 SAT.

The College Board had considered changing the test for several years. "(These changes) were deliberate and planned changes," Gams said.

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DPi extends 3 bids; 56 pledge KAT after successful fall rush

(Continued from page 1)

Richard Pseudonym
age 24

See Dick make valedictorian in high school. See Dick make Phi Beta Kappa in college. See Dick go to MIT grad school. . . .

Richard, Age 24

Andy Silber/The Tech

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ENROLL IN THE MARROW DONOR REGISTRY

The lives of over 16,000 victims of leukemia, including Chris Corcoran and Jonathan Lee, two members of the MIT community, depend upon a marrow transplant. If you are between 18 and 55 and in good health, you are urged to enroll in the marrow donor registry on Sunday, November 11, 10 a.m. to 4 p.m. in La Sala (Student Center). You will be asked to provide a small vial of blood for testing. Even if you don’t match Chris or Jonathan, you may be able to help someone else. So many people need marrow, and non-Caucasians are especially encouraged to enroll.

Call 324-1081 or TCA for more information.

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US forces in Gulf to increase

Administration officials said yesterday that President George Bush will dispatch more U.S. military forces to the Persian Gulf, many of them from Europe. Some reports said the new deployment could be as large as 40,000 soldiers. Secretary of Defense Dick Cheney added that the new deployment will include combat units of the Army National Guard for the first time. He said divisions from Georgia, MS, and Louisiana will be activated. Cheney would not say how many troops will be added to the region.

Soviets admit military force could be needed in Iraq

Soviet Foreign Minister Eduard Shevardnadze acknowledged yesterday that there could be circumstances requiring the use of military force to get Iraq out of Kuwait. His announcement came after discussions with Secretary of State James A. Baker III. Shevardnadze assured that any decision to use force should be taken by the United Nations. Baker was in Moscow looking for support for a Bush administration effort to get UN Security Council authorization for the use of force as a last resort.

Iraqi military chief replaced

Western analysts were surprised yesterday by the news of a change at the top of the Iraqi military. The Iraqi army newspaper reported that President Saddam Hussein fired his military chief of staff, a hero of the Iran-Iraq war. His replacement is the commander of the elite Republican Guards. Some experts said this could indicate the presence of opposition to Hussein's refusal to pull out of Kuwait. His replacement is the commander of the elite Republican Guards. Some experts said this could indicate the presence of opposition to Hussein's refusal to pull out of Kuwait.

Marcos, Philippine government discuss embezzlement charges

A Philippine government official said Imelda Marcos, widow of the former Philippine dictator, has agreed to give the government 60 percent of the money she has in the presence of opposition to Hussein's refusal to pull out of Kuwait. His replacement is the commander of the elite Republican Guards. Some experts said this could indicate the presence of opposition to Hussein's refusal to pull out of Kuwait.

No surprise to me

President George Bush is reviving his "no new taxes" pledge. Although he had to break his original promise to win approval of a deficit-reduction plan, he said he will not support any more tax increases. However, he also said, "Sometimes you run into realities." Bennett speaks his mind as he leaves office

William Bennett spoke his mind yesterday as he resigned from his position as the president's drug policy adviser. He said Washington, DC, Mayor Marion S. Barry made his job more difficult. Bennett said he devoted special attention and resources to the nation's capital because that drug problem was so serious. He also said Barry, who has been convicted of drug possession, was part of the problem.

Noriega's lawyer to ask that charges be dropped

Manuel Noriega's lawyer accused the federal government of violating his client's rights by recording the ousted Panamanian dictator's private conversations with his defense team. Attorney Frank Rubino won a court order barring Cable News Network from airing the tapes it obtained. Rubino also said he will ask that all charges against Noriega be dropped. Authorities at the prison where Noriega is being held said they would ignore any plea by the defense team to stop the exhibition of the tapes. The prison stated it was planning to broadcast more to last night.

Cranston will not run in 1992

Senator Alan Cranston (D-CA) said yesterday that he has prostate cancer and will not run for reelection in 1992. The 76-year-old Cranston is one of five senators who allegedly intervened with federal regulators to help savings and loan owner Charles Keating.

Weather

Snow, sleet

A potent low pressure system currently over the South Central states will move slowly northeastward, displacing any fair weather by Friday night. A rainy Sunday, some driving snow may occur on Sunday. More clouds and precipitation are expected late Sunday into Monday, with a significant drop in temperatures to occur early next week. With cold air positioned to the north and east of New England and a potential for further development of the storm east of Cape Cod late in the forecast period, the possibility of some snow, especially inland, cannot be excluded.

Friday: Sunny start followed by increasing clouds in the afternoon. Winds becoming lighter and shifting to the southeast at 10-15 kph. High temperatures around 48-50°F (9-10°C).

Friday night: Cloudy with temperatures near 40°F (4°C) in the city; low to mid 30s (0-2°C) inland. Precipitation, mostly in the form of rain (except well to the west and north, where it may begin as snow) will begin after midnight.

Saturday: Rainy and cool temperatures throughout the day, with a high around 52°F (11°C).

Saturday night: Partial clearing, remaining cool. Lows is the high 30s to low 40s (2-6°C).

Sunday outlook: Partly cloudy with a chance of some precipitation later in the day. Daytime highs in the 40s (2-5°C), dropping to the mid 30s (1-2°C) overnight.

Forecast by Marek Zebrowski

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Student is valuable

Guest column by Manish Bapna

MIT has undergone two major administrative changes in the past few months. President Paul E. Gray '94 and Provost John M. Deutch '67 have stepped down from their respective positions, and the MIT community looks towards President Gray and Mark S. Wrighton to lead the Institute into the future. The installation of these new leaders brings a great potential for change which has not yet been realized — the beginning of a restructuring change which will move closer and closer to everyday student academic life.

The next major link in this chain is the selection of non-academic and academic deans and other higher-level administrators. Appointment of candidates for these positions is usually supervised upon by Wyighton, who selects an advisory committee to aid him in the process by providing recommendations. The question is: What perspectives should be represented in formulating these recommendations?

The provost receives a $1 billion budget at the beginning of each fiscal year, from which he allocates funds during the following academic year. The distribution of these funds is based on the number of students, the quality of academic life, and departmental lectures and colloquia could lose or gain funding. The classes offered to students as well as those taught by those classes could also change from what they see today.

How this money is received and how is it spent affects the research undertaken by each department, which has an effect on the faculty drawn to the Institute. Furthermore, the teaching faculty hired in terms of number and quality, and the classes and supplemental programs offered by the department are all determined by this process as well. Each choice made when selecting a class will directly or indirectly affect students in a substantial way. The focus of the Institute is in every way change from its current engineering bias to one of science or even liberal arts. Programs such as the Artificial Intelligence Laboratory, Media Lab, undergraduate Research Opportunities Program, and departmental lectures and colloquia could lose or gain funding. The classes offered to students as well as who teaches those classes could also change from what they see today.

I assume that the administration holds education in high regard, and this will be considered along with the best with measures of preparation possible. This can best be accomplished with student feedback and input. Since the determination of a high academic quality, student perspectives should logically be considered when selecting deans. At the moment, however, such is not the case; there is no current plan to include a student representative on the advisory committee to Wyighton to select a new dean of engineering. Is this beneficial to the Institute? The student body could substitute for the lack of a new dean of engineering. It is a shame that the burden of proof should lie on the students every time we desire to voice our concerns. Are we not an integral part of the MIT community? Students should automatically have a say in the selection of deans. Is this beneficial to the Institute as a whole?

I am currently a voting member of the Gradudate Student Council representing the Department of Mechanical Engineering. The GSC is the most democratic voice students have to an institution which is not a government. The GSC, as an organization, is dedicated to students, and as such works to protect students' rights.

MANISH BAPNA '91 is president of the Graduate Student Association.
Discuss Your Future With General Electric “CAREER FAIR”

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- Ceramics
- Software Engineering
- Signal Processing
- Controls/Automation
- Aerospace Systems
- Medical Diagnostic Imaging Systems

Various career entry paths from MIT to GE will be discussed. These include Development Programs as the:
- Edison Engineering Program
- Manufacturing Management Program
- Chemical-Metallurgical Management Program
- Software Technology Program
- Information Systems Management Program
- Research Technology Program

When and Where?

Tuesday, November 13 (7-9 pm)
Building 6
Room 120

What else?

Light refreshments and handouts.

The future is working at General Electric

FRIDAY, NOVEMBER 9, 1990
Lous struggle for one's rights will only replay. It seems to imply that a long, arduous struggle undermines the theme of the play. Wilson does not depict Risa as being involved in either the civil rights movement or the women's movements. This is not to say that all young women of color were involved in either or both movements—however, Wilson missed an opportunity to explore the unique problems a woman experiences when she must confront both racism and sexism, and often must give up one cause to support the other.

There are a few more development, Sterling would be a more interesting character to watch and enjoy. Many moments of the play show the interaction and talent that have won Wilson many awards. Unfortunately, the dialogue is sometimes ponderous, as it favors long monologues rather than more realistic exchanges of lines. This style would be more effective if the actors were more comfortable with their lines. However, after a week of shows many mistakes were being made, and efforts to recover lost lines were very obvious. One possible explanation for this is that Wilson is still rewriting sections of dialogue, and the actors are going onstage every evening with different pieces to try out.

Two Trains Running dealt with a crucial moment in the history of the United States, and Wilson has established a very solid framework. Hopefully, the play will continue to grow and emerge onto Broadway as the powerful piece it should be.
Space Places chronicles man's reach for the stars

Space Places
Text: Robert Ressmeyer
Foreword by Buzz Aldrin,
Photographs by Robert Ressmeyer, NASA, and other international space programs.
Collins Publishers, 208 pages, $45.00

By DOUGLAS D. KELLER

WHEN I FIRST LOOKED at Space Places, I thought it would be another "up with NASA" collection of pro-America propaganda. But in an attempt to be fair, I decided to let the photographs speak for themselves and judge the precision of the book only when I had a better knowledge of its contents.

Space Places is a collection of photographs primarily taken by Robert Ressmeyer. Through photographs and insightful text, Ressmeyer recounts the history of man's reach for the stars, focusing on subjects as diverse as astronomy, life in the universe, international advances in space exploration, and missions to the planets.

Space Places begins with an overview of ancient observatories such as the pyramids at Giza, Egypt, and Stonehenge in England, and the Star City of Beijing, China. Ressmeyer recounts the advances that the ancients were able to make in forecasting the seasons and predicting eclipses using the crudest of instruments. He then proceeds to document the improvements that have occurred in telescope technology, the process of discovery of cosmic events, supernovas, and the dawn of the Second Space Age.

In reviewing the text of the book, Ressmeyer relates to the reader the basis for his interest in space. "Ever since childhood, astronomy has been all over the world, talking to scientists, launch controllers, and researchers. His extensive knowledge of space research and exploration comes through in the text which accompanies the photos. However the photographs are what capture your eye when you pick up this book. In a word, they are spectacular. When looking at these images, some of them seem immediately familiar; this is because most of the photos have appeared before in science and popular magazines. Ressmeyer uses elaborate strobe setups, indoors, to make the most boring of scientific environments come alive. Some of his most striking images, however, are taken at night. Through the use of long exposures, he also captures the rising and setting of the stars in the "daytime" photos. Through the use of the long exposures, he also captures the rising and setting of the stars in the nighttime skies. Space exploration and research is expensive. But Ressmeyer foresees the advent of a Second Space Age because the benefits of space research, in his mind, far outweigh the costs. "Around the world, space engineers are working on critical problems that precisely mirror the environmental challenges facing the planet as a whole - and are developing techniques for safe production of energy, for recycling and waste management, and for finding new resources in the solar system that can benefit earth."

Space Places is an exceptional collection of photographs whose descriptions provide not only insight into the photographs themselves but a coherence for the book as a whole. It is definitely priced at $45, but with over 170 gorgeous color photographs, Space Places is worth the investment.

On The Town Updates
Compiled by Peter Durr

Friday, Nov. 9

CLASSICAL MUSIC
The Huddleson Choral Society and The Wellesley College Choir perform at 8 pm in Sanders Theatre, Harvard University, Cambridge. Also presented November 11 in Houghton Memorial Chapel, Wellesley College, Wellesley.

THEATER
Oklahoma!, by E. O. Hammerstein, is presented by the MIT Musical Theatre Guild as 8 pm in Kresge Auditorium. Also presented November 16 & 17 at 8 pm and November 11 at 3 pm. Tickets: $9 general, $7 MIT community, seniors, & students; $5 MIT students. Telephone: 253-6294.

FILM & VIDEO


Akira (1990, Katsuhiro Otomo, Japan) at the Regent Theatre. See November 9 listing.

Sunday, Nov. 11

CLASSICAL MUSIC
The Huddleson Choral Society and The Wellesley College Choir perform at 8 pm in Sanders Theatre, Harvard University, Cambridge. Also presented November 11 in Houghton Memorial Chapel, Wellesley College. See November 9 listing.

THEATER
Oklahoma! presented by the MIT Musical Theatre Guild in Kresge Auditorium. See November 9 listing.

FILM & VIDEO
Akira (1990, Katsuhiro Otomo, Japan) at the Regent Theatre. See November 9 listing.

Monday, Nov. 12

FILM & VIDEO
The MIT Program in Women's Studies presents Dreams of Hind and Camilla (1989, Mohamed Khan, Egypt) at 7 pm in MIT Room 10-250. Telephones: 253-8844.

Akira (1990, Katsuhiro Otomo, Japan) at the Regent Theatre. See November 9 listing.

Tuesday, Nov. 13

FILM & VIDEO
Akira (1990, Katsuhiro Otomo, Japan) at the Regent Theatre. See November 9 listing.
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The Vaughan Brothers
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Leonard Slatkin,
Saint Louis Symphony Orchestra Copland:
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Cocteau Twins
Heaven Or Las Vegas
$11.99 CD $6.99 TP

George Michael
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HARRISON 'Words from Paterson' with SANFORD SYLVAN, baritone BEETHOVEN Septet in E-flat for strings and winds, Op. 58

Monday, November 12th Building 4, Room 153
7:00 p.m.

Teach For America is a national teacher corps of talented, dedicated individuals from all ethnic backgrounds and academic majors who commit two years to teach in urban and rural areas that have persistent teacher shortages.

Applications are due January 4, 1991

for more information contact Marie Seamon at 253-1700
New SAT reflects math education changes

(Continued from page 1)

The second section is intended to "determine how well hybrid of language," The addition of Japanese and Chinese subject students are likely to be tied more quickly," by questioning a student based on whether or not a previous answer was correct, explained Gams. Overall, Behnke felt the changes would have little effect on the admissions process at MIT. "I think we'll probably want to consider requiring the new writing test," he said. But he added that the importance given to third-year scorers in the admissions process will not be affected by the revisions.

Writing test added to SAT

The SAT II writing test will subsume the current tests dealing with writing and grammar. The test, to be offered five times a year, will consist of a 20-minute essay written by the student and an essay containing various errors that must be corrected by the student. The second section is intended to determine how well students can identify badly written sentences," Gams said.

While the Oregon Department of Education was the first to test students in writing, Gams said, multiple-choice questions will be eliminated for 20 percent of the questions. Instead, SAT II as "substantial in terms of language." The addition of Japanese and Chinese to allow Asian students to demonstrate proficiency in their native languages, if they are not as proficient in English.

Spanish speaking students have the option now, Behnke noted, as proficient in English.

Changing trends in mathematics education

Sweeping changes in mathematics education began last year when the National Council of Teachers of Mathematics (NCTM) announced its new standards. The standards call for greater use of calculators in the classroom and a reduction in the use of rote learning, in favor of reasoning and problem-solving techniques.

"I think [the SAT I math test] is a direct result of the changing NCTM standards," said Carol K. Stirling, head of the mathematics department at Northwestern Lehigh High School, a Pennsylvania public school. Under the revised math test, a certain percentage of questions will be much easier with the use of a calculator. The remaining questions will take too long to solve by hand, students will fill in the other means to solve. As a result, teaching will have to focus on when a calculator is necessary and when it should be avoided.

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- Manufacturing Management Program
- Chemical-Metallurgical Management Program
- Software Technology Program
- Individualized Direct Placement

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- Artificial Intelligence
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- VLSI
- Robotics
- CAD/CAM
- Computer Graphics
- Plastics
- Metallurgy
- Ceramics
- Software Engineering
- Signal Processing
- Controls

For more information on these programs and the major business areas available, refer to the General Electric file located in your placement office.

When and Where?

Wednesday, November 14th and Thursday, November 15th at the Placement Office.

What else?

Sign-ups commenced Tuesday, October 30th.
Kerry reelected to Senate; Voters defeat Question 3

(Continued from page 1)

television stations should be required to offer free air time to candidates for office.

Question 2, a proposal to severely limit the state's ability to use outside consultants, and Question 3 were the only initiatives defeated.

In the race for one of Massachusetts' US Senate seats, Democratic incumbent John F. Kerry defeated challenger Jim Bapsten port by a vote of 1,319,975 (57 percent) to 903,875 (43 percent). The campaign was marred by charges of negative advertising and a lack of focus on substantive issues, many observers agreed.

National election results

Across the nation, voters in 14 states elected governors of a different party affiliation. Seven governors changed from Republican to Democrat, five from Democrat to Republican, and two to independent.

In Alaska and Connecticut, cut elected independent candidates to those states' chief executive positions. Lowell P. Weicker Jr. became the first independent governor of Connecticut since 1887. Walter J. Hickel, Alaska's governor-elect, had previously been governor of the state as a Republican from 1966 to 1968.

Democrat Ann Richards was elected governor of Texas in an extremely close race. Her margin of victory was roughly 100,000 votes out of 3.7 million cast.

In another significant race, Republican Jesse A. Helms retained his seat, defeating Harvey B. Gantt MCP '70, 53 to 47 percent. Helms, who is known for his staunch conservatism, criticized Gantt's support for job quotas which benefit minorities. Gantt would have been the first black senator from North Carolina.

Senator Bill Bradley, who has been viewed as a potential future Democratic candidate for president, barely retained his New Jersey seat against a little-known challenger, Christine T. Whitman. Bradley outspent his opponent 40-1.

Overall, national voter turnout was low, with only a third of eligible voters casting a ballot. Turnout in Massachusetts, however, was exceptionally high.
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Buy a Panasonic and get a Coronata and rechargeable battery pack ($119.50 value) FREE when you buy a PWP 7000 LT system.