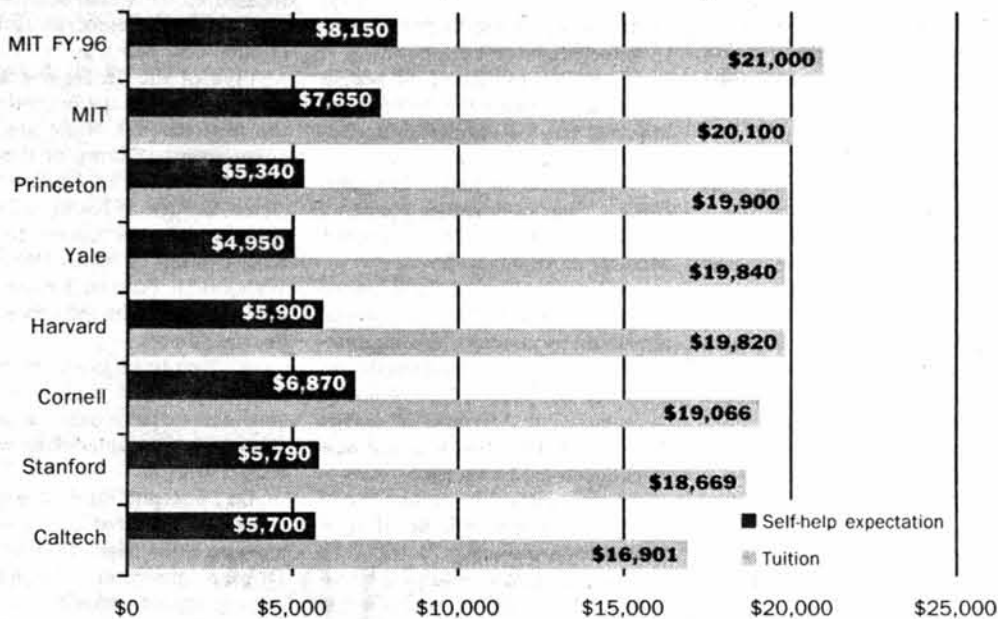


FY 1995 Tuition and Self-Help Levels at MIT, Other Universities



SOURCE: Student Financial Aid Office

4.5 Percent Hike In Tuition Likely

By Shang-Lin Chuang
ASSOCIATE NEWS EDITOR

The Academic Council has recommended a 4.5 percent increase in tuition to \$21,000, along with a 6.5 percent increase in the self-help level to \$8,150, for the 1995-96 academic year, according to Director of Student Financial Aid Stanley G. Hudson.

Self-help is the portion of the financial aid package that is met by term-time earnings and student loans coming from different sources, Hudson said.

The Student Financial Aid Office always "makes sure that resources are available to students," Hudson said. If students cannot meet their expected self-help amount, the office will ensure an access to loan

capital and the job market, he said.

The tuition and self-help level recommendations will be brought to the Executive Committee of the Corporation by President Charles M. Vest on Thursday for final approval, according to information prepared for the Academic Council by Vice President for Administration James J. Culliton.

The \$8,150 and \$21,000 combination of self-help and tuition was chosen over other combinations of \$8,100, \$8,150, and \$8,200 for self-help and \$20,900, \$21,000, and \$21,100 for tuition, according to the series of alternatives for tuition and self-help presented by the SFAO

Tuition, Page 10

Mech. E. Courses Overhauled

By Ifung Lu
ASSOCIATE NEWS EDITOR

A new undergraduate mechanical engineering curriculum was approved by the department's faculty in November and will be implemented this upcoming fall term.

As a result, students in the Department of Mechanical Engineering will find a completely different selection of classes when they register next term.

Old classes such as Mechanics of Solids (2.01) and Introduction to Design (2.70) will be phased out to give way to a series of two-part classes such as Mechanics of Materials I and II (2.001 and 2.002), according to Professor Peter Griffith ScD '56, undergraduate officer for the department.

Students entering the department after June will be required to follow the new curriculum. The core classes of the old curriculum will continue to be offered through a transition period so that those students who are part way through the program will be able to complete the old program, Griffith said.

Equivalent new program courses can be substituted for old ones if scheduling problems require it, according to *How to Get around the Mechanical Engineering Department*, a guide for Course II majors.

Four new sequences required

The fundamental changes in the curriculum involve the introduction of four sequences of two classes each. The classes are 2.001 and 2.002, System Modeling and Control I and II (2.003 and 2.004), Design and Manufacturing I and II (2.005 and 2.006), and Thermal-Fluids Engineering I and II (2.007 and 2.008), according to Griffith.

In addition, students will be required to take a six-unit class, Mechanical Engineering Tools (2.670), offered only during Independent Activities Period. The class will teach students necessary machine shop and computer skills, Griffith said.

Students will also be required to choose from an expanding list of departmental electives in order to fulfill a 30-unit elective requirement.

The two-course sequences will not be like the aeronautics and astronautics department's Unified Engineering track (16.010, 16.020,

Mechanical, Page 11

Class of 1995 Establishes UROP Projects Scholarship as Class Gift

By Venkatesh Satish
ASSOCIATE NEWS EDITOR

As this year's senior gift, the Class of 1995 will establish a scholarship to fund Undergraduate Research Opportunities Program projects.

The Senior Gift Committee announced the gift earlier this month. Committee Chair Jahnvi Swamy '95 said that committee members "felt they were giving MIT a gift that it needs."

The committee's initial plan is to establish a fund of approximately \$20,000, invest the money, and use

the interest to sponsor UROP projects, Swamy said. UROP, which recently celebrated its 25th anniversary, is facing a difficult financial situation amid a restructuring of government overhead regulations that took effect last July.

Assessing the number of UROP projects that will be funded by the gift is difficult since the money must still be raised and the exact details of the fund have not yet been addressed, Swamy said. A UROP student costs about \$1,000 a term, she said.

Money for the UROP scholar-

ship will be raised over the next five years. "Our overall goal is to raise \$50,000 and have 50 percent participation with the senior gift program," Swamy said.

One of the reasons why the UROP scholarship was chosen is it will be easier to maintain than physical structures, such as The Source information booth, gift of the Class of 1994, she said. Such structures may deteriorate over time and would require additional funding for maintenance, she added.

Gift, Page 11

Gingrich, Vest Discuss Proposed Funding Cuts

By Daniel C. Stevenson
EDITOR IN CHIEF

President Charles M. Vest met last Friday with Speaker of the House Newt Gingrich to discuss the place of university research in the changing world.

Vest said he wrote a few weeks ago to Gingrich, who was elected speaker following the Republican congressional landslide in November, "expressing a desire to talk with him about America's innovation system."

Vest wanted to discuss "how research is done and how it ulti-

mately gets translated into the commercial sector," he said. "My worry was the fact that neither industrial research laboratories nor universities are very active in mid-range research" with five- to 10-year time horizons, Vest said.

Gingrich met with Vest for over an hour on Friday. Their discussion did not focus on "partisan politics or current details of university funding," but on "the large changes [Gingrich] foresees in the world and what the United States needs to do to have

Gingrich, Page 9

INSIDE

■ The GSC-sponsored grocery shuttle changes its schedule in response to students' requests.

Page 6

■ Work on Amherst Alley to repair a corroded steam pipe should be completed in three weeks.

Page 8



Many students carried umbrellas to shield themselves from Monday morning's snowfall, a rare event during this relatively mild winter in New England.

THOMAS R. KARLO—THE TECH

WORLD & NATION

State Welfare Administrators Criticize GOP Welfare Plan

LOS ANGELES TIMES

WASHINGTON

Issuing a harsh critique of the Republican welfare initiative, state welfare administrators Monday denounced provisions that would limit benefits to unmarried teen-age mothers, legal immigrants and long-term recipients of public assistance.

The resolutions unanimously adopted by directors of state welfare systems during their annual meeting here shows that most states have major reservations about the Republican blueprint for welfare reform.

The administrators were in a hurry to advance their position because the House Ways and Means Committee Tuesday launches its debate on the primary elements of the welfare reform proposal.

"We're the people who have to run these programs," said Gerald Miller, director of Michigan's welfare department and president of the American Public Welfare Association, which was holding the meeting. "We wanted to be a major player" in the overhaul of the welfare system for poor families.

The GOP measure, which was passed by a subcommittee earlier this month with virtually no changes, would forge the most dramatic changes to the safety net for poor families in 50 years.

A spokesman for the House committee drafting welfare reform said the GOP proposal represents a revolutionary transfer of power to the states and the administrators' complaints echo the governors' unrealistic demands for federal dollars with no strings attached.

Iraq Covered Up Major Biological Weapons Program, U.N. Says

LOS ANGELES TIMES

WASHINGTON

Four years after the Persian Gulf war's end, U.N. officials disclosed Monday that Iraq covered up evidence behind a biological weapons program to develop cholera, tuberculosis and the plague that was much larger than previously suspected.

In the 1980s, the Iraqi government imported enough material to cultivate up to 3.3 tons of bacteria, far more than it could have needed for peaceful medical purposes, U.N. Commissioner Rolf Ekeus revealed at a closed-door session.

When confronted with intelligence data in talks last week, Iraq claimed the material was long ago distributed throughout the country for medical use. But when U.N. inspectors asked for either the growth media or documentation about it, Iraq claimed both were destroyed during 1991 uprisings immediately after Operation Desert Storm.

The excuses were "lame" and "a joke," U.N. officials said. "Their stories were the most fanciful so far," said one leading official.

The revelation is particularly alarming because, unlike Iraq's other weapons of mass destruction, biological weapons are most effective against civilian targets. And in the past, Iraq has shown no compunction about using equally controversial chemical weapons against civilian targets, notably during its eight-year war with Iran.

Gov. Weld Won't Run For President in 1996

LOS ANGELES TIMES

WASHINGTON

Massachusetts Gov. William F. Weld, the Massachusetts Republican who is a potential rival of California Gov. Pete Wilson for the favor of GOP moderates, said Monday that he has decided not to seek the presidency.

Weld, who ran poorly in a recent survey of Republican voters in neighboring New Hampshire, cited family reasons for removing himself from the field.

"I suppose it is possible to be a presidential candidate, governor and father of five teen-agers all at the same time," Weld said at a news conference. "But I think at least one of those roles would have suffered. Probably, all three would have suffered."

Weld, who won a landslide re-election last November, joined a substantial list of Republican notables who have decided not to enter the race, also citing either family or fund-raising pressure. So far, only Texas Sen. Phil Gramm has formally joined the race. Former Tennessee Gov. Lamar Alexander plans to announce his candidacy Tuesday and Senate Majority Leader Bob Dole of Kansas has slated his declaration for April 10.

WEATHER

Wild Weather Bewilders

By Gerard Roe
STAFF METEOROLOGIST

The weather continues to make almost no sense as wild variations persist. After a low of 16°F on Monday morning temperatures on Tuesday are expected to reach into the low 50s as a warm front sweeps past us. A high pressure to the northwest combined with a low pressure system developing to the south will create easterly winds at the surface. This positions moisture right over us. The rising air associated with the front will therefore mean rain throughout Tuesday. The clouds will remain Wednesday and into Thursday giving continued likelihood of rain or wet snow. A ray of hope on the horizon — expect some clearing toward the weekend.

Today: Rain probable throughout the early part of the day. Possibly continuing into the evening. Up to an inch is possible. High 51°F (10°C).

Tonight: Chance of rain. Cloudy. Low 34°F (1°C).

Wednesday: Cloudy and a chance of rain and/or snow. High 45°F (7°C). Low 34°F (1°C).

Thursday: Much as Wednesday, but with some clearing. High 41°F (5°C). Low 29°F (-1°C).

Senate Amendment Decision Hinges on Vote of Sen. Nunn

By Karen Hosler
THE BALTIMORE SUN

WASHINGTON

The centerpiece of the Republican reform agenda in Congress — a balanced budget amendment to the Constitution — heads for a showdown in the Senate Tuesday at least one vote short of the 67 needed for approval.

Republican leaders scrambled Monday night to address the concerns of Sen. Sam Nunn, the Georgia Democrat who is believed to hold the decisive vote on the constitutional amendment. But they remained unwilling to go so far as to change the amendment as Nunn wants.

"If I have my way, people are going to have to stand up and vote" on the amendment as it is, said Utah Republican Orrin G. Hatch.

If the tally falls short Tuesday, Hatch predicted, blame will fall on the Democrats, whose votes are needed to make up the two-thirds majority necessary to pass a constitutional amendment before it can be sent on to the states for ratification. Although four other Democrats are also listed as unofficially uncommitted, Hatch described Nunn's vote as critical.

But Nunn, a respected veteran whose positions are closely watched by other senators and is seldom afraid to stand up to the leadership of either party, sounded just as determined to hold his ground. He said that he is willing to consider a Republican plan to address his fears about giving judges too much power over the budget process in a separate bill but that he has "grave

doubts" that he will find such a compromise acceptable.

Nunn said he fears that the amendment, as passed by the House, would allow the federal courts to step in and force Congress to raise taxes or cut spending if Congress fails to balance the budget or cannot produce the three-fifths majority needed for deficit spending.

"These federal judges are great folks ... but they're not elected," Nunn said at a news conference Monday in Atlanta.

A Senate defeat of the balanced budget amendment — which passed the House by an overwhelming margin — would be the first major setback for the House Republicans' "Contract With America," as well as for the broader mission of the new Republican-led Congress.

"This is sort of the centerpiece of what this Congress is all about," Senate Majority Leader Bob Dole, a Kansas Republican, said of the constitutional amendment, which would require the federal budget to be balanced by 2002 or within two years of ratification by 38 states.

Even if the amendment is approved by Congress, it is likely to face rough going in the state legislatures. State lawmakers are already watching with concern as the Republican House begins to hack away at federal programs that the states would have to pay for or do without.

President Clinton remained mostly out of the battle, until last weekend, when he attacked the proposed amendment on several occasions, warning that the Republicans

plan to "make war on kids." But the president has offered little more than background noise to a high-pitched lobbying campaign that is focused on individual senators, particularly those Democrats facing reelection next year.

Five of the 46 Democrats are still unofficially uncommitted, but the four besides Nunn are being counted in one camp or the other. John B. Breaux of Louisiana and Byron Dorgan of North Dakota are being counted as leaning in favor; Kent Conrad of North Dakota and Wendell H. Ford of Kentucky are being counted with the opponents of the amendment.

All four have joined with Nunn in trying to win a change in the amendment that would bar the federal courts from interfering with the budget process.

Of 54 Republican senators, the only opponent of the proposed amendment is Mark O. Hatfield of Oregon, chairman of the Senate Appropriations committee.

The Senate is scheduled to vote on Nunn's proposed change Tuesday before a formal tally on the amendment itself. But the Republican leadership is resisting any changes in the amendment because that would require it to be returned to the House for a second vote and slow its momentum.

Instead, Hatch sent Nunn written promises Monday from Dole and House Speaker Newt Gingrich to address his concerns in separate legislation to be taken up later this year. The Republican leaders also submitted to the Georgia senators a draft version of the proposed bill.

Supreme Court Agrees to Hear New Religion Separation Case

By Timothy M. Phelps
NEWSDAY

CHARLOTTESVILLE, VA.

From the university founded by the father of religious freedom in the United States comes a controversy that could radically redefine that concept.

The U.S. Supreme Court on Wednesday will be asked to force the University of Virginia, founded by Thomas Jefferson in 1819, to fund a student Christian magazine devoted to advancing that faith.

The university has refused, citing the First Amendment's prohibition of government "establishment of religion." While the university is willing to provide facilities to the magazine, direct cash support would be an impermissible entanglement of church and state of the kind abhorred by Jefferson, the university argues.

Ronald Rosenberger, who brought the suit, is a former student who lives in northern Virginia and works for a conservative organization. He founded Wide Awake magazine in 1990 and rests his case on another clause of the same amendment which guarantees the right of "free exercise" of religion, as well as on the rights of free speech and press. The magazine has not published since 1992.

The Supreme Court in recent years has begun to tilt the balance between the sometimes competing religious interests. It has moved, slowly and carefully, from guarding against government involvement in religion to emphasizing individuals' rights to freely exercise their religious beliefs.

But this case, say advocates on both sides, threatens dramatic change, because it involves direct

funding of a religious enterprise rather than indirect support approved in past rulings.

Rosenberger, in an interview, said a broad ruling in his favor could lead not only to resumed publication of the magazine but also to approval for government funding of private religious schools through the school voucher concept that would allow parents the choice of using taxpayer money for their child's education at either a public or a private school.

Both sides in the case invoke Jefferson, author of Virginia's Statute of Religious Freedom, which was a precursor of the First Amendment.

Rosenberger laments that the exclusion of support for religious viewpoints from the university tilts campus discourse against religion. Funds from a \$28 annual student fee support a gay and lesbian group and liberal publications that attack religion (a humor magazine once featured a cover with babies nailed to the cross, he said), but advocating religion is taboo. That, he says, is discrimination against the religious viewpoint. He also complained that the university funds Jewish and Muslim student groups.

"It's very frustrating," said Rosenberger, an evangelical Christian who is now 25. "I have to give my \$28 a year to funding gay and lesbian groups and Jewish groups — everything antithetical to my beliefs. But my money cannot go to funding my own viewpoint."

But Terry Gray, a fourth-year student who is president of the Student Council which administers the money, said that the Jewish and Muslim groups (the Muslims have their own publication) are funded

because they are primarily cultural, rather than religious. Wide Awake, which described itself as "a forum for Christian expression," was primarily religious and was involved in proselytizing, he said.

"If (support for) proselytizing is to be accepted as a constitutional right, it opens the doorway to all kinds of one-sided ideological views," Gray said. Financial support for the gays and lesbians and other such groups is linked to issues of equal opportunity and equality, he said.

Rosenberger's lawyers pointed in their court brief to the somewhat blunter justifications of Tanisha Sullivan, a fourth-year student who chairs the Student Council's appropriations committee.

"It raises an eyebrow, and you look at it a little more closely just because it's Christianity," she told an interviewer last fall. "Everyone is so on edge when it comes to Christianity."

The Muslim students' magazine, Sullivan explained, "is teaching the culture of Islam." That's a politically correct value in these days of multiculturalism, she said. "But people don't consider Christianity to be part of a culture" because her generation is turning away from it, she said.

Sullivan said last week that her comments were taken out of context. She said she considers herself a "Christian," has strong religious values and isn't sure how she feels about the Wide Awake issue. Her committee is simply trying to follow the university's guidelines, which prohibit funding of "an organization whose purpose is to practice a devotion to an acknowledged ultimate reality or deity," she said.

Russia Displays Art Treasures Seized from Nazi Germany

LOS ANGELES TIMES

MOSCOW

With a declared aim to "fill in blank spots in the history of culture," Russian officials on Monday opened the first of a series of exhibitions of art treasure seized by Soviet troops from Nazi Germany at the end of World War II and hidden for 50 years.

Sixty-three paintings by European masters from the Italian Renaissance to French Impressionism — many never before viewed in public, others feared destroyed in the war — went on display at the Pushkin State Museum of Fine Arts. The show was billed as a "festival of culture" for "all people."

But the sub-theme of the exhibition and others to follow, the first such showings of war trophy art in post-Communist Russia, is how responsibly the Russians claim to have preserved and restored some of the world's greatest art — and how they should be entrusted to keep it.

"For the past two years, in the spirit of our shared future in a new Europe, Russian and German experts have been striving to overcome this unhappy consequence of war by preparing for the return of cultural objects," Otto von der Bahlentz, the German ambassador to Moscow, said pointedly in remarks at an official reception marking the Pushkin show's opening. "I trust that this exhibit of art works, overwhelmingly from German private collections, will contribute to this goal."

Animal TB Vaccine Has Promise For use in Humans

LOS ANGELES TIMES

LOS ANGELES

Researchers have developed a prototype vaccine that prevents tuberculosis in animals and that they say has great promise for use in humans.

The development comes at a time when the United States and other countries are increasingly facing the emergence of TB strains that are resistant to the drugs now used to control its spread. There have already been 12 outbreaks of multiple-drug-resistant TB in the United States, according to John D. Foulds, tuberculosis and leprosy program officer at the National Institute of Allergy and Infectious Diseases.

"The bottom line is that we need a vaccine to help us in the fight against emerging drug resistance," Foulds said. The University of California, Los Angeles, team — which developed the new vaccine — "is doing really sentinel work on this."

The new vaccine contains no live bacteria and thus has many advantages over the existing vaccine, called BCG. BCG is not routinely used in the United States because it represents a major health risk for AIDS patients and others with a compromised immune system and interferes with public health programs for tracking tuberculosis infections.

Dr. Marcus A. Horowitz and his colleagues at the UCLA School of Medicine report Tuesday in the Proceedings of the National Academy of Sciences that they have developed a vaccine based on purified proteins from BCG that is at least as effective as the existing vaccine in preventing tuberculosis in guinea pigs, but that should have none of those risks.

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OPINION

Senior Gift to UROP Is Timely, Laudable

A year ago the Undergraduate Research Opportunities Program was unsure of its future — caught in the controversy between MIT and the federal government over indirect cost recovery regulations. One year later, on the 25th anniversary of UROP, the future of the program is no more certain. Given this uncertainty, the decision of the Class of 1995 to give its senior gift to UROP is especially timely and laudable. Seniors should be congratulated for a gift with genuine importance to the Institute.

UROP is one of the most valued parts of undergraduate life at the Institute. Bringing together renowned faculty and energetic students, it lies at the heart of MIT's mission as a research university. From a student's perspective, UROP offers the chance to make a difference outside the classroom and benefit from the chance to explore various research fields. Faculty benefit from the research work that is often at little cost relative to hiring a research assistant or graduate student.

UROP is also notable as a program that encourages women and underrepresented minorities to get involved in research. It seems that these students are more likely to go on to graduate school, and perhaps even more likely to become faculty members — a trend MIT has been trying to encourage for many

years. And for all students, it is unofficial (and usually better quality) financial aid.

With its broad significance, the class gift will contribute to the larger goal of building an endowment for UROP. As MIT attempts to re-engineer and reduce its budget deficit, UROP will face increasing scrutiny. The continuing decline in government support for research will also have an impact because the vast majority of UROPs for pay are supported through federal research grants. Only when UROP has a foundation of endowment funds will these annual crises be avoided.

The significance of the Class of 1995 gift goes far beyond government rules and MIT budget problems. Rather, it reflects an exemplary attitude of service that should be emulated. Instead of something that temporarily enhances the physical campus, the gift to UROP will be valuable to generations of students to come. And the Class of 1970, the first class to have UROP, should also be congratulated for offering to match any contribution above \$19.95.

By most measures, 1994 was a far-from-outstanding year for UROP. And it seems that 1995 will not offer any relief from federal government pressures. The senior gift to UROP represents a vital effort to move beyond budgets and regulations. The Class of 1995 gift should be remembered for years to come.

Editorial

chance to make a difference outside the classroom and benefit from the chance to explore various research

Letters To The Editor

'Eliminationists' Ignore DoD Funding Impact

I have been following with interest the debate over whether or not MIT should continue the ROTC program on campus. The main argument of those supporting its elimination seems to be that the Department of Defense's policy regarding homosexuals in uniform is against the Institute's nondiscrimination policy.

While the controversy focuses on ROTC, no mention is made by the "eliminationists" of the enormous sums of money spent by the DoD here for research. This is hypocritical; they want to terminate a program they deem unpalatable while tacitly approving the DoD's stance because it is still financially advantageous. Their arguments are valid when they are also willing to potentially suffer funding loss by dissociating themselves from the DoD for their beliefs.

Until then, let's support a program that produces individuals who choose to serve to protect our Constitution.

Jonathan A. Jensen G

Scholarship Center Not Intended to Replace Existing Resources

The piece "UAA Office Opens New Scholarship Center" [Feb. 17] seems to have stirred some uncertainty about the possible relocation of a number of basic administrative and informational services for both undergraduate and graduate students. Here's our attempt to clarify things.

First, there will be no rearrangement in the essential structure of these services, nor was one ever intended. The facility we are putting together in the UAA is intended mainly to provide a centralized but extremely basic listing of opportunities open to current MIT undergraduates across a broad range of categories — including not only fellowships and scholarships of many types but also a variety of special grants, awards, prizes, and other forms of enablement and distinction.

In nearly every case, its *prime business* is as a referral source, directing interested students to any of the numerous particular offices (e.g. Student Financial Aid Office, Office of the Dean of the Graduate School, Career Ser-

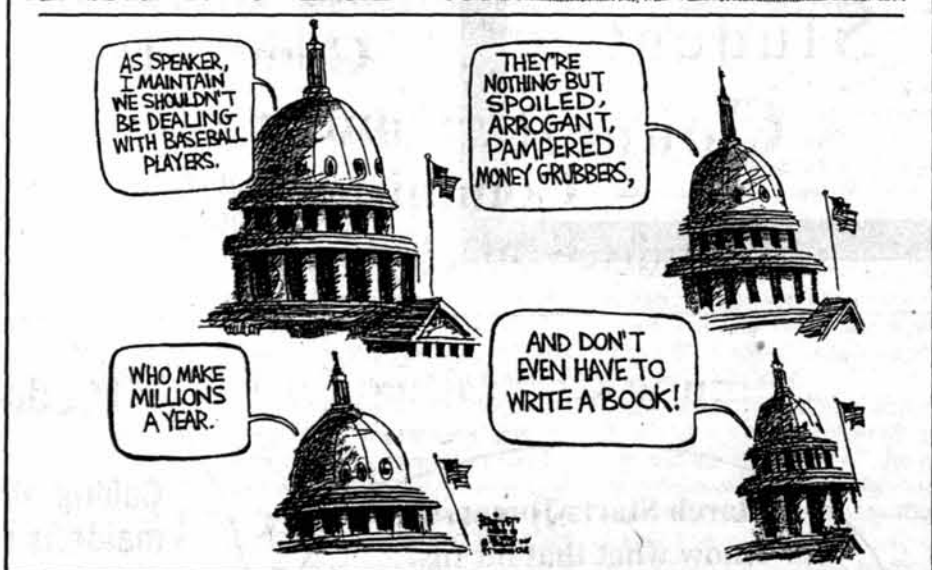
vices) where they can receive more specifically detailed information concerning eligibility rules, application procedures, and deadlines, as well as expert practical guidance on how to make the strongest possible case for themselves.

Essentially, we are here to help sharpen awareness of possibilities and help students map the terrain. We believe that MIT students should be persistent in asking and aggressive in finding answers to the question: "I wonder what may be waiting out there for me to catch hold of, and that I may not even know about." We hope to join with

many others around the Institute in raising to even higher levels the numbers who ask that question, get the answers, and ultimately catch firm hold of whatever is in fact out there for them.

People with ideas on ways to strengthen this effort are urged to contact us in person (7-104), by phone (x3-6771), or on electronic mail.

Travis R. Merritt
Dean for Undergraduate Academic Affairs
Ida G. Faber
Administrator of the Scholarship, Fellowship, Grant, and Award Center



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Make your Mark on MIT

Join an Institute Committee

The UA Nominations Committee will be holding interviews for the following committees on

Saturday, March 4

Sunday, March 5

Alumni Fund Board (AFB)

Association of MIT Alumnae (AMITA)

Commencement Committee (CC)

Committee on Curricula (COC)

Committee on Privacy (COP)

Committee on Safety (COS)

Community Service Fund Board (CSFB)

Committee on Foreign Scholarships (COFS)

Committee on Undergraduate Admissions and Financial Aid (CUAFA)

IAP Policy Committee (IAPPC)

Planning Committee for the Martin Luther King Jr., Memorial Activities

ROTC Committee *non-ROTC student position*

Student Medical Advisory Council (SMAC)

UA Judicial Review Board

UA Nominations Committee

Interview signups and applications available outside the UA Office (W20-401). For more information, check the descriptions of the institute presidential and faculty committees by searching for "committees" and/or "nominations" on TechInfo from any Athena Workstation.



*The Council for the Arts at MIT
Performing Arts Excursions Series*

The Council for the Arts at MIT is pleased to offer limited, free tickets to MIT students only for the following performances in the spring 1995 semester:

World Music's Festival of the Nile
Music, song, and dance of Egyptian culture spanning 6,000 years
Thursday, March 9 at 7:30pm
Sanders Theater, Harvard University, Cambridge

Reckoning Time
Oratorio on the life and poetry of Walt Whitman, written by MIT faculty members Alan Brody and Peter Child, featuring Theater Arts lecturer Michael Ouellette and the John Oliver Chorale.
Thursday, March 16 at 8:00pm
Jordan Hall, New England Conservatory, Boston

Boston Ballet's American Festival I
Featuring work of Twyla Tharp, Paul Taylor and Merce Cunningham
Sunday, March 19 at 2:00pm
Wang Center, Tremont Street, Boston

New England Conservatory's **The Magic Flute**
Sunday, April 9 at 3:00pm
Emerson Majestic Theater, Tremont Street, Boston

Pilgrim Theater's The Wild Place
Created by Theater Arts lecturers Kermit Dunkelberg and Kim Mancuso
Thursday, May 4 at 8:00pm
Boston Center for the Arts, Tremont Street, Boston
(Round-trip transportation provided to this event)

Tickets may be reserved IN PERSON ONLY at:
MIT Office of the Arts
E15-205 (Wiesner Building, 2nd floor)
20 Ames Street
Monday-Friday, 9:00am-5:00pm

**VALID MIT STUDENT I.D. REQUIRED
\$5 RETURNABLE DEPOSIT REQUIRED
ONE TICKET ONLY PER I.D.**

Star Market Shuttle Changes Schedule

By Ray Hwang

As of this past Saturday, the Graduate Student Council-sponsored grocery shuttle is running on a new schedule based on students' requests. The shuttle continues to thrive, with more than 40 riders each week.

First organized last spring, the shuttle provides round-trip transportation to and from LaVerde's Star Market in Medford, a full-service supermarket including a bakery, a produce section, and a delicatessen. But because of declining ridership toward the end of the spring semester and during the summer, the shuttle was canceled.

It was revived this past fall with

greater publicity, according to Jeffrey J. Sriver G, co-chair of the GSC Housing and Community Affairs Committee.

Now the shuttle leaves campus at 10 a.m. and 11 a.m. on Saturdays. Previously, it left at 11 a.m. and noon.

The new schedule was implemented this past Saturday and was the "result of requests by students for earlier runs," Sriver said. "A survey of about 100 shuttle riders indicated that over two-thirds favored moving the former noon run to 10 a.m.," he said.

Frank LaVerde, owner of

Shuttle, Page 9



SUNDAY Hot Cake 99¢	MONDAY Hamburger 39¢ Cheeseburger 49¢	TUESDAY Free dessert with purchase of Extra Value Meal	WEDNESDAY Free Big Mac with purchase of Large Fries and Medium Drink
THURSDAY Double Cheeseburger \$2 for 2	FRIDAY Filet Extra Value Meal \$2.99	SATURDAY Breakfast Sandwich 99¢	

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UA Election Candidates: Election details have been finalized.

Petitions are due Friday, March 3.

**Signature requirements:
UAP/VP 440, Finboard 220, Class Office 110**

Due to the special circumstances regarding the elections, the Election Commission will still accept petitions until the previously announced deadline, March 17. However, candidates will not be permitted to campaign until three days after they turn in petitions, so petitions should be turned in as soon as possible.

POLICE LOG

The following incidents were reported to the Campus Police between Feb. 10 and Feb. 22:

Feb. 10: Bldg. 35, sweater stolen, \$100; Next House, harassing phone calls; Rockwell basketball courts, wallet left unattended, \$125 removed from wallet.

Feb. 11: Baker House, annoying phone calls; DuPont Gymnasium, men's locker-room lockers broken into, 1) \$40 cash stolen; 2) \$30 cash stolen; East Campus, stereo equipment stolen from storage area, \$470.

Feb. 13: Bldg. E51, jacket stolen, \$60; Student Center, disorderly person; Bldg. 54, wallet stolen, \$30; Bldg. 8, food stolen, \$4; Bldg. E23, printer stolen, \$250.

Feb. 14: Sloan School lot, attempted robbery; Bldg. 13, laptop computer stolen, \$3,717; Bldg. 1, bicycle stolen, \$150.

Feb. 15: rear of Bldg. 41A, trailer broken into and tools stolen, \$1,500; Bldg. 50, chairs stolen, \$600.

Feb. 16: Bldg. NE43, domestic problem, Bldg. 36, day organizer stolen, \$80; Bldg. 2, four chairs stolen, \$520; Hayden Library, attempted larceny of a backpack; Bldg. E39, harassing phone calls; Student Center, wallet stolen, no cash in wallet; Bldg. 7, portable phone stolen, \$100.

Feb. 17: Baker House, harassing phone calls; Bldg. 16, stolen balance recovered, \$2,000; Bldg. E18, portable phone stolen, \$75.

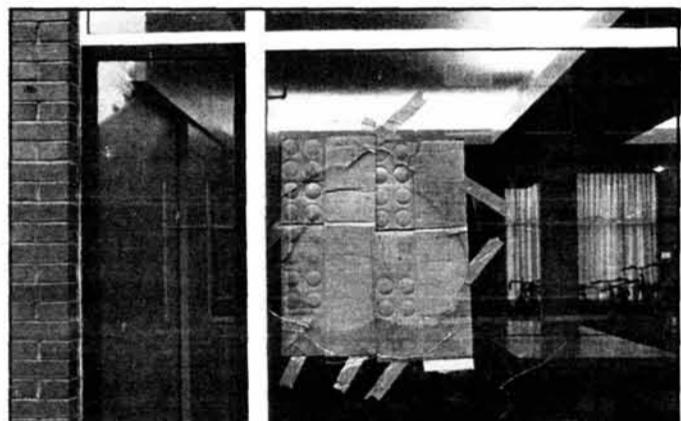
Feb. 18: Kappa Sigma house, wallet stolen, \$20; DuPont Gymnasium, men's locker-room lockers broken into, 1) unknown if anything stolen; 2) sneakers stolen, \$75.

Feb. 19: New House, windows broken; Bldg. 5, suspicious person; Kappa Sigma house, jacket stolen, \$50; DuPont Gymnasium, watch stolen, \$60.

Feb. 20: Hayden Library, male exposing himself; McDermott Court, bicycle stolen, \$200; Student Center, male arrested for trespassing after notice.

Feb. 21: Bldg. E53, obscene phone call; Bldg. E51, computer mouse stolen, \$130; Bldg. 13, unauthorized use of an office; Bldg. 6, pocketbook stolen, \$25.

Feb. 22: DuPont Gymnasium men's locker-room, 1) \$30 stolen from a wallet; 2) \$16 and "T" pass stolen; Bldg. E51, bicycle stolen, \$500; rear of Bldg. 42, trailer broken into, suspects fled area.



The broken window at New House, patched with a folded cardboard box. ADRIANE CHAPMAN - THE TECH

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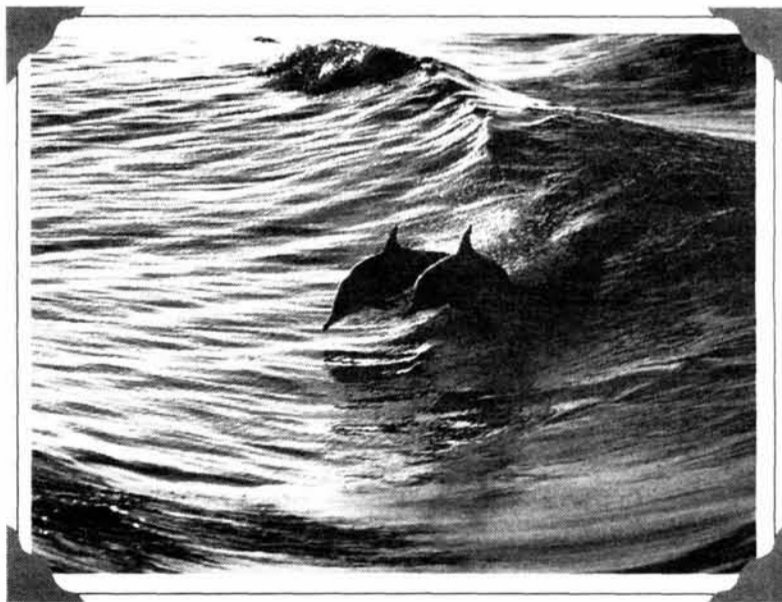


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Campus Interviews March 8, 1995

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Amherst Construction to Repair Corroded Steam Pipe Segment



A bulldozer and backhoe parked at the construction site in front of Burton-Conner House.

By A. Arif Husain
STAFF REPORTER

Since mid-December, construction crews have been at work on Amherst Alley in the vicinity of Burton-Conner House. Excessive deterioration of a manhole and steam pipe segment prompted the repairs, said Project Manager Vaughn Crayton, an engineering assistant in Physical Plant.

Unexpected problems have caused delays, but the project is expected to be completed in three weeks, Crayton said.

The damage was discovered when residents of nearby dormitories complained of television cable problems last May. According to Crayton, telecommunications workers arrived to find the service manhole inaccessible because of scalding water. The problem was traced to leakage in a nearby steam pipe, which led to excessive heating of ground water, Crayton said.

"The campus steam distribution system is quite old," Crayton said. Factors such as ground water and electrical currents expedite corrosion. The ground water table is high around the whole campus, but particularly on the west side of campus.

The pipe being repaired was originally installed about 18 years ago, said Superintendent of Utilities Roger Moore. "Typically an underground steam and condensate line can last upwards of 35 years," Moore said. "That line down Amherst Alley has deteriorated faster than most of the other lines," he said.

David M. Matsumoto '98, a Burton-Conner resident, feels that the construction has been going on for much too long, but it "has not been a problem."

A similar project to replace a segment of pipe and corroded manhole adjacent to the current site was completed last May, around the same time the new damage was discovered, Crayton said. That construction began in mid-1993.

Crayton anticipates future problems with west campus utility lines.

Repairs take time

To locate the affected areas, Physical Plant workers gathered information from an infrared thermography survey, Crayton said. In addition, hand-dug test pits were required before beginning work, Crayton said. As a result, excavation did not begin for six months, he said.

Repair involved removal and replacement of insulation on approximately 250 feet of piping, Crayton said. The rotted manhole had to be removed and redesigned, and temporary steam had to be provided for Burton.

The excessive ground water posed difficulty, as the excavation trench had to be reinforced and constantly drained to be safe for workers. The hole collapsed once during construction so safety was an issue, Crayton said.

Installation of a new precast manhole should begin Thursday, Crayton said. The entire project was budgeted at around \$200,000, and will end with completion of the manhole.

The Amherst construction project is part of a campus-wide rehabilitation program, said Director of Planning O. Robert Simha MCP '57.

During the winter, 250,000 pounds of steam per hour are produced in Building 42 and distributed to most campus buildings through roughly 25 miles of underground transmission lines, Moore said.

"Our work is an ongoing process, and we try to repair or upgrade areas that are exhibiting signs of deterioration [or] leaking," he said. Plans are to replace the whole system along Amherst Alley up to Westgate when funds become available, Moore said.

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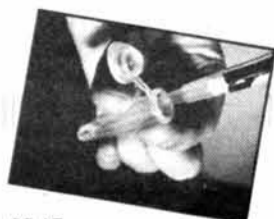
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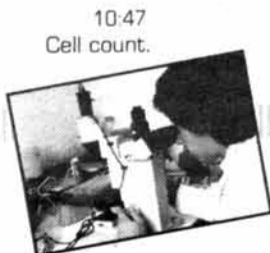
Information Session—Monday, March 13th
Building 4, Room 153, 5:30–7:00pm

On-Campus Interviews—Tuesday, March 14th

Contact your career resource center for additional information. If you are unable to meet with us on campus, send your current resume, details of relevant laboratory and/or business skills and your academic record to Genentech, Inc., Human Resources, Dept. XMIT, 460 Point San Bruno Blvd., South San Francisco, CA 94080. No phone calls please. We actively support and promote affirmative action and equal employment opportunity. Women and minorities are encouraged to apply.



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Sample prep.



10:47
Cell count.



01:00
Data collection.



02:47
Documentation.



04:45
Analysis.

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Gingrich, Vest Talk About GOP Cuts

Gingrich, from Page 1

a strong society and a strong science and technology base," Vest said.

"I think he clearly holds the Institute in high regard and recognized it as one of the leading institutions in the world," Vest said.

Gingrich was "quite intense and thoughtful and referred continually to books he had read, people he had talked to," Vest said. Gingrich seemed very interested in ideas and listened a great deal, Vest said.

At their meeting, Vest gave Gingrich two gifts. "When I visit people I often take along a little memento," Vest said. Vest gave Gingrich a copy of *Being Digital*, the new book by Director of the Media Laboratory Nicholas M. Negroponte '66. Gingrich "is known to be a very voracious reader and has talked a lot about information technology," Vest said.

He also gave the speaker a computer chip from the microsystems technology laboratory. The micro-electric mechanical device had 70 tiny electric motors built into it.

Gingrich used the chip as a prop the next day after a speech to the National Restaurant Association. According to an article in *The Boston Globe*, Gingrich held the chip aloft when answering a question about whether he considered investment credits more important than cutting capital gains taxes.

Gingrich praised the technological breakthroughs by MIT researchers, but cited the cost of building a factory to make the chips at \$1 billion, the *Globe* reported. He said that technological breakthroughs are a "very, very important factor" in favor of a cut in the capital gains tax, according to the article.

Grocery Shuttle On New Schedule

Shuttle, from Page 6

LaVerde's Market in the Student Center and the Medford store, also thought that an earlier schedule would be more beneficial. LaVerde's management felt that the earlier times would also mean less crowded shopping conditions and faster service for shuttle patrons," Sriver said.

Ethel Garza '96, a rider on the first run under the new schedule, felt that earlier times were clearly better. "Sometimes it takes two hours from here to there plus shopping time," Garza said. "If you left at noon, you would come back at 2 p.m., and your entire afternoon was gone."

Statistics on the new schedule, compiled by Sriver and the Center for Transportation Studies, are consistent with the goals of the change.

"New times seem to be balancing the load between the first and second run. Sixty-five percent rode the early bus on the new shuttle and 35 percent on the late bus," Sriver said. Prior to the time change, the split was 80 percent on the early bus and 20 percent on the late bus, he said.

Forty-one students took the shuttle last Saturday, down from the average of 45 for the semester, Sriver said.

The Technology and Culture Forum at MIT presents

THE JOBLESS FUTURE:

Sci-Tech and the Dogma of Work

Prof. Stanley Aronowitz

Department of Sociology
City University of New York

Respondent: Robert Weatherall, Director MIT Career Services

Today!

4:30PM

9-150

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Coop Price \$11.20



Kendall Square Cambridge Mon-Fri 8:45-7:00 Thur til 8:30 Sat 9:15-5:45

6.5% Self-Help Hike Proposed

Tuition, from Page 1

last May.

"The determination of tuition is a difficult process. The tuition has been paying for only half the costs

of the Institute in the last 20 years," Culliton said. President Charles M. Vest "is very interested in keeping the tuition as low as possible."

The other half of the costs are being paid for by sources like over-

head recoveries, gifts, investments, and returns on investments, Hudson said.

"There is obviously a lot of pressure from a lot of different directions concerning the increase in tuition and self-help," Hudson said. "There are impacts on both the current students and prospective students."

"There is a clear recognition that MIT's commitment to need-blind admission processes is a very expensive proposition," Hudson said. "Both the Institute and the students are paying a higher price for that policy. But the bottom line is that we want to preserve this policy, and we hope the students feel the same way, too," he said.

The costs of facilities, education, laboratories, and salaries of faculty have been consistently rising. To help meet the budget and have MIT remain competitive with other colleges, adjustments in the tuition are necessary, Culliton said.

To remain competitive, MIT has to raise faculty salaries, which are the Institute's largest expenditure. The private sector is very interested in hiring MIT faculty, Hudson said.

The cost of equipment and facilities at MIT also increase at a rate more than that of the Consumer Price Index, Hudson said.

"MIT's biggest source of unrestricted source of income is tuition. It is very valuable, and we use it for operating expenses," Hudson said. "Eighteen percent of the undergraduate tuition is recycled in the financial aid program."

MIT has the highest tuition and self-help levels among comparable universities because "students come from less affluent families," Hudson said. "The endowments at the other schools are higher, and the average financial need of the students is lower."

MIT students can pay more

For 20 years, there has been a consistent increase in the percentage of starting salary used to repay MIT students' loans in the first year after graduation, according to statistics released by the SFAO in January.

"The increase in borrowing is a clear result of paying the additional cost of financial aid at MIT," Hudson said.

"According to the history on the ratio of debt to income, we have found that MIT students are very employable and good job prospects. They are in a position to repay loans," Hudson said.

For this reason, it was decided several years ago that the percent of increase for self-help should be raised above that of the tuition. Students should be able to access resources to help meet the tuition costs, Hudson said.

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 Thursday, March 2, 1995, 5:30pm - 7:30pm, Room #4-159

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A N E Q U A L O P P O R T U N I T Y E M P L O Y E R

CALL FOR NOMINATIONS

1995

INSTITUTE AWARDS

TO BE PRESENTED AT THE ANNUAL INSTITUTE AWARDS CONVOCATION,
 MONDAY, MAY 15, 1995, 3:30 PM, HUNTINGTON HALL, 10-250

KARL TAYLOR COMPTON PRIZE

The Compton Prizes are the highest awards presented by the Institute to students and student organizations in recognition of excellent achievements in citizenship and devotion to the welfare of MIT. They reflect outstanding contributions to the MIT community as a whole, sustained over a significant number of years.

WILLIAM L. STEWART, JR. AWARD

The Stewart Awards recognize outstanding contributions by an individual student or student organization to extracurricular activities and events during the preceding year.

GORDON Y BILLARD AWARD

The Billard Award is made annually to "a member of the faculty, non-faculty employee or one not necessarily affiliated with the Institute, for special service of outstanding merit performed for the Institute."

Nominations for this award should be sent to the Office of the Vice President, Room 3-209, no later than Friday, March 17.

JAMES N. MURPHY AWARD

The Murphy Award is given to an employee whose spirit and loyalty exemplify this kind of inspired and dedicated service, especially with regard to students. Sustained contribution is a criterion for the award, but longevity, in itself, is not.

LAYA W. WIESNER AWARD

The Laya W. Wiesner Award honors the undergraduate woman student who has most enhanced MIT community life.

LAYA AND JEROME B. WIESNER AWARD

The Laya and Jerome B. Wiesner Awards recognize students (graduate or undergraduate), organizations, living groups, or activities for achievement in the creative and/or performing arts. The range of contribution is wide and includes creative work in literature, music, drama, visual arts, photography, film and dance, among other art forms.

THE LOUIS SUDLER PRIZE IN THE ARTS

The Louis Sudler Prize in the Arts is presented to a graduating senior who has demonstrated excellence or the highest standards of proficiency in music, theater, painting, sculpture, design, architecture or film.

THE ASSOCIATION OF MIT ALUMNAE AWARD

The Association Of MIT Alumnae Award is presented to outstanding women who have demonstrated the highest level of academic excellence through their coursework and related professional activities at MIT.

THE ALBERT G. HILL PRIZE

The Albert G. Hill Prize is awarded to the minority undergraduate junior or senior student who has maintained high academic standards and made continued contributions to the improvement of the quality of life for minorities at MIT.

IRWIN SIZER AWARD

The Irwin Sizer Award is presented to any member or group in the Institute community to honor significant innovations and improvements to MIT education.

THE EDWARD L. HORTON FELLOWSHIP AWARD

The Horton Award is presented to any student group that fosters fellowship within the graduate student community.

GOODWIN MEDAL

The Goodwin Medal is presented to a graduate student whose performance of teaching duties is "conspicuously effective over and above ordinary excellence."

Nominations for the Goodwin Medal should be sent directly to the Dean of the Graduate School, 3-138.

SUBMIT NOMINATIONS TO:

THE AWARDS COMMITTEE
W-20 549

DEADLINE FOR RECEIPT OF NOMINATIONS IS FRIDAY, MARCH 24, 1995

QUESTIONS MAY BE DIRECTED TO THE OFFICE OF RESIDENCE AND CAMPUS ACTIVITIES,
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Course II Curriculum Changed

Mechanical, from Page 1

16.030, and 16.040), Griffith said. Although the two parts of any sequence will have to be taken in successive terms, each part will be offered both semesters. Students can thus start a sequence during the spring term and complete it the following fall.

These sequences will have less redundancy and more complete coverage than the courses they replace, Griffith said. All the major topics covered in the courses to be replaced will be covered in the new courses.

In addition, expanded management, economics, and products considerations will be incorporated into 2.005, 2.006, and Product-Engineering Process (2.009).

The traditional 2.70 design contest will be retained as part of 2.005 and 2.006, Griffith said.

Changes are industry-oriented

Griffith believes that the changes in the curriculum are part of the trend to satisfy the demand for industry-oriented engineers. "The demand for product-oriented people is strong," he said.

Students will benefit from con-

centrated study in basic engineering with some focus on product design and quality control early on, Griffith said. Students will be allowed freedom to select from a larger selection of electives to supplement their coursework later in the curriculum.

"I think for the variety of things MEs do when they graduate, this

will be good for them. Breadth is more desirable than depth sometimes," Griffith said.

"It'll make the students more attractive as employees," Griffith said. It will allow them to "do something more than be just engineers — to become entrepreneurs, captains of industry."

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Seniors to Help Fund UROPs

Gift, from Page 1

Another reason for selecting the UROP scholarship is that the gift idea "should appeal to a lot of seniors," Swamy said. This class gift does appeal to many "since a lot of people participated in UROP," she said.

"I'm sure UROP has helped students with their future, in exploring different areas of interest and providing opportunities," Swamy said.

Other gift ideas included a financial aid scholarship, a community service scholarship, and a gift of unrestricted funds that the Institute could use however it wanted, Swamy said. In the end, "UROP came out as a clear winner."

Committee needs class agents

Currently, the committee is looking for seniors interested in being class agents, Swamy said. These students help solicit other seniors to make pledges for donations over the next five years, she said.

Those interested in acting as class agents should attend the gift premiere, which will be held next Monday in the Bush Room (10-105), Swamy said.

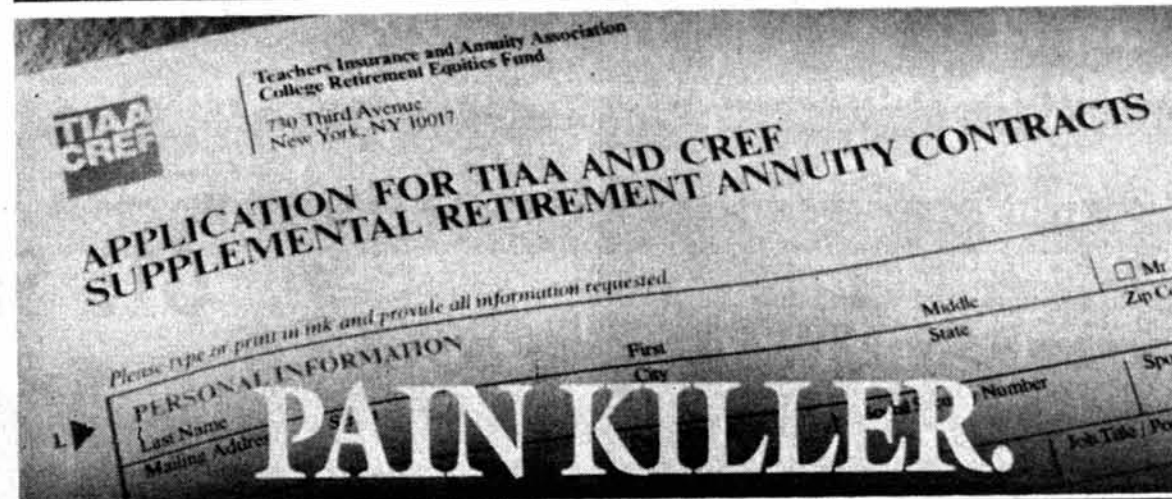
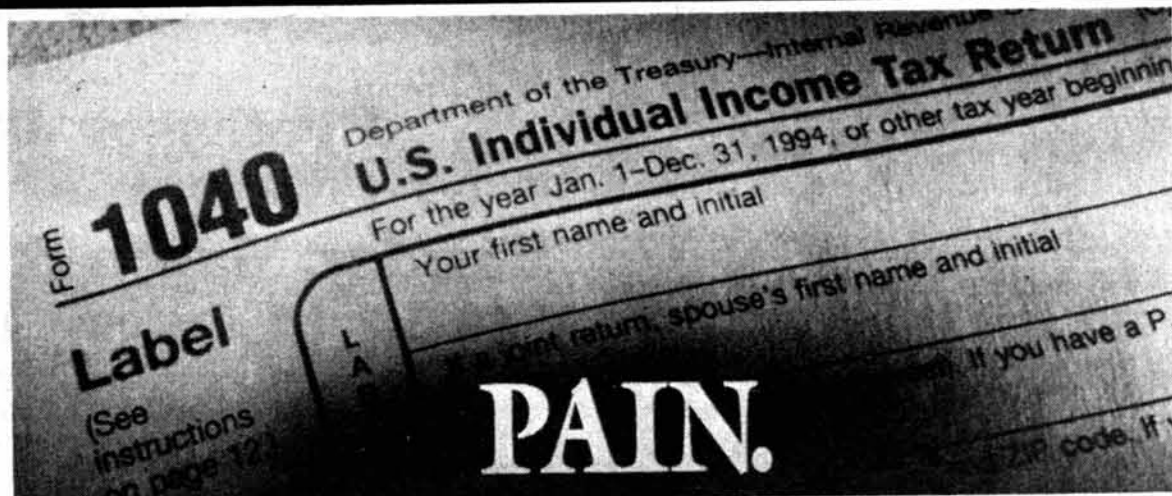
"It's important to start giving back to MIT because we've gotten so much from it," Swamy said. "We should give ... to increase what it has to offer to future students."

The Senior Gift Committee expects to raise \$6,000 for the scholarship this year, though most senior classes raise approximately \$4,000 for their gift in the first year, Swamy said. One reason for the higher goal is that the Class of 1970, celebrating its 25th reunion this year, will match any senior who donates more than \$19.95, she said.

In coming up with the idea, Swamy discussed ideas with advisor Barbara A. Luby, coordinator of parent and student programs for the Alumni Association, and Maryglenn Vincens, program director of alumni activities. The Senior Gift Committee considered each of the proposals and subsequently voted, Swamy said.

Committee members include Lisa D. Bailey '95, Bradley E. Brewer '95, Mindy I. E. Davis '95, Roderick B. Diaz '95, Danielle D. Janitch '95, Benjamin R. Jordan '95, Celika M. Langford '95, Gwendolyn K. Lee '95, Heather M. Lee '95, and Tammy L. Stoops '95.

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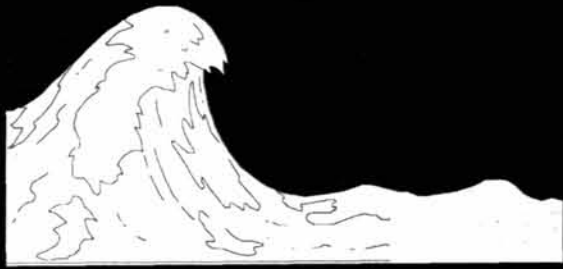
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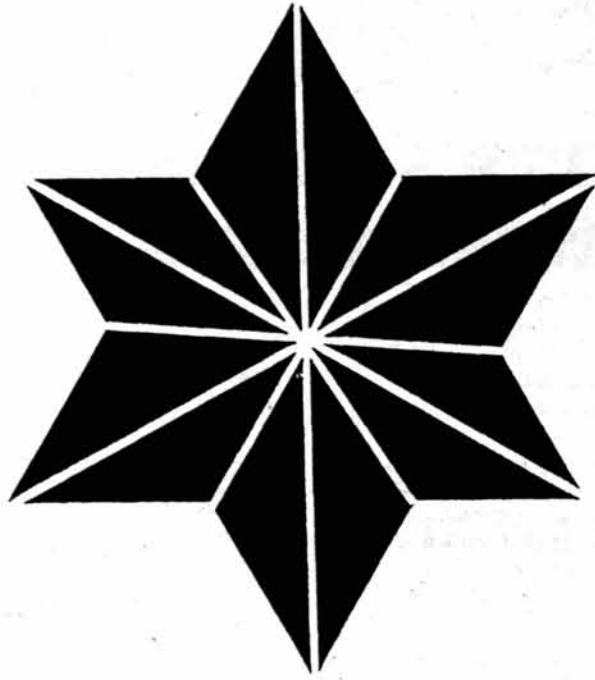
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Rollins Battles Vest In Hoops This Week

Mudville, from Page 16

floor. With the best point guard in the nation, Arizona will be dangerous come March, as a second consecutive trip to the final four is a real possibility.

Fictional Matchup of the Week

Welcome to our new offering, "The People's Court," which reminds you that if you have a problem with someone "don't take the law into your own hands, you take them to the basketball court."

This week's matchup features Orlando Magic All Star and player-coach Tree Rollins versus MIT President Charles M. Vest and Provost Mark S. Wrighton.

The issue: Tree Rollins's son, Branch, a prodigious young scholar in his own right, wants admittance to MIT as a sophomore in high school. Vest and Wrighton claim the younger Rollins requires further seasoning in the minor leagues.

The ruling: Whoever is the first to score 11 points in a two-on-one halfcourt game wins. Vin Scully, longtime Los Angeles Dodgers' broadcaster, presides.

The settlement: As Scully throws up the initial jump ball, Tree Rollins instinctively taps it backward into the awaiting hands of Wrighton who rifles the ball to the cherry-picking Vest under the basket for an easy two. The crowd, consisting of three senior officers of the Tau Beta Pi Honor Society goes wild.

Down by two, Rollins backs Vest into the paint and releases a patented hook shot which sails well over the mark. Further review of the play shows Wrighton viciously kicking Rollins in the right shin as the shot is taken, but Scully questionably whistles nothing.

Grabbing the rebound, Vest resets the play and whips the ball to the Provost at the top of the key. Pointing to Rollins's hobbled right leg mockingly, he effortlessly hoists a perfect three pointer giving the MIT squad a 5-0 lead.

On the ensuing possession, Rollins "checks" the basketball to Wrighton expecting a gentle bounce pass to return. Instead the Provost fires the ball at Rollins' injured shin, drawing an instant technical foul from referee Scully, but the message is clear — he is here to win.

Rollins misses the awarded free throw and the three fans remove their shirts to reveal the letters T, B, and P painted in maroon across their respective chests. Rollins, notably flustered, peers over to his young, bespeckled son on the sideline faithfully waving a "We're #1" slide rule. Smiling, he drives to the hoop for an easy layup.

Taking the ball at the arc, Wrighton drives hard to his right and fires a behind-the-back pass to Rollins for an open 15-footer. Vest drains it and pumps his fist twice. Realizing he's lost the momentum, Tree Rollins calls timeout.

In the interest of time we flash forward to the end of the game, the MIT duo hold a 9-7 lead. Two of the fans have left in order to complete their 6.170 assignments. We now join the game in progress:

Rollins hits a 12-footer to tie the game at nine apiece. Vest takes the ball out. With a Tim Hardaway-like crossover, the President breaks past Rollins and lays a smooth pass over to Wrighton.

Rollins recovers to deflect Wrighton's offering out of bounds. Following his role model Shaquille O'Neal, the Provost punches Rollins in the thigh with a glancing blow that Rollins shrugs off. Nonetheless, the damage is done, Wrighton is ejected.

Tree Rollins then nails the following free throw amidst the uncalled for heckling of one fan and takes the ball at the top of the key. Forcing a hook shot outside of his normal range in the face of tena-

cious defense, Rollins appears distraught as the confident Vest grabs the rebound and resets the play at the extended foul line. Sticking his tongue out a la Michael Jordan, Vest fakes to the left and unleashes a high arcing 17-footer that appears to be on target.

But Tree Rollins, old warrior and proud father, is never out of the play. With about as much grace as a 7-foot, 280-pound, 39-year-old can muster, he leaps, picking the ball out of the air at its highest point, turns 360 degrees in midair and dunks the ball with authority. The fan lies silent.

Tree Rollins has won.

Trivia

Congratulations to Steven Chan '95 and Darren Timothy G for knowing that UNLV's closest game in the 1990 tournament was a two point win in round 16 against Ball State.

This week's question also comes from the world of college basketball: In Connecticut's miraculous last second win against Clemson in the 1990 tournament, whose jumper beat the Huskies, and who threw the full-court pass to make it possible. Send answers to bell@mit.edu.

Harvard Cooperative Society Student Board of Directors Nominations.

The following persons have been nominated by the Stockholders of the Society to run for election as Student Directors during the 1995-1996 academic year:

M.I.T. Undergraduate Students

Jason Davis
Howard Man

M.I.T. Graduate Students

David Gartner
Anton Pil

Harvard/Radcliffe Undergraduate Students

Daniel Allen
Jon D. Caramanica
Eugene Koh
Larry Cheng

Harvard Graduate Students

Michael Chen
Erik Buchmiller
Alberto Moel

Additional nominations for Student Directors may be made and are encouraged by the petition process. Information and applications are available at the Cashier's Office of any Coop store or from the President's Office in the Harvard Square store. Final date for petitions is Friday March 10, 1995.

Ballots will be distributed to all student members in late March for the election of eleven Student Board Members.



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- Miscellaneous

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Classified ads are due at 5 p.m. two days before day of publication, and must be prepaid and accompanied by a complete address and phone number. Send or bring ads, with payment, to W20-483 (84 Mass. Ave., Room 483, Cambridge, MA 02139). Account numbers for MIT departments accepted. Sorry, no "personal" ads. Contact our office for more details at 258-8324 (fax: 258-8226) or ads@the-tech.mit.edu.

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Events

The Boston Audio Society, a forum for audiophiles, schedules guest lecturers, publishes a newsletter, meets locally every third Sunday to hear & discuss audio developments: 259-9684 or PO Box 211, Boston, MA 02126

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The deadline to apply for on campus summer and fall 95-96 vacancies in family and single graduate student apartments and dormitories is Tuesday, February 28, 1995. Applications available in Graduate Housing in E32-133. Any questions, call 3-5148. The Graduate Housing Office is closed Wednesday, March 1st.

Announcements

Stuyvesant High School Alumni-MIT has a Stuy alumni chapter for YOU! Get involved and keep those Stuy bonds strong! Get to know more upperclassmen who are in your major! For more information, contact Angela at 225-8547.

Lost and Found

Found: Gold signet ring by the turnstiles in the Kendall Square T station, Wed, Feb 1, around midnight. Contact Michael at 23-5764 or michael@psyche.mit.edu.

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ACROSS

- 1 Turkic tribesman
- 6 ___ states
- 11 On one's back
- 12 South American plains
- 14 Of the intestine
- 15 Son of David
- 17 Understand
- 18 Passes, as time
- 20 Prevaricate
- 21 Prefix for vision
- 23 Raise one's spirits
- 24 Mere's mate
- 25 Arkansas' mountains
- 27 Alkaline solution
- 28 Danube tributary
- 29 Dots
- 31 Egyptian ruler
- 33 Italian number
- 34 Part of MPH
- 35 Participant
- 39 Chilean desert
- 43 Comedian Myron ___
- 44 Mythical bird
- 46 Remaining fragment
- 47 Italian coin
- 48 Kama ___

- 50 Painter Salvador ___
- 51 Chemical suffix
- 52 Ejectors
- 54 ___ school
- 55 Riot substance (2 wds.)
- 57 Inheritance seizers
- 59 ___ a cold,...
- 60 Hard-shelled fruits
- 61 Contemptuous look
- 62 "Dallas" character, Miss ___
- 1 Pertaining to a guardian
- 2 Orangutan
- 3 Exhaust
- 4 Like an old woman
- 5 Remembers
- 6 Mustard ___
- 7 Author of "The American Dream"
- 8 Bridge term
- 9 Santa ___
- 10 Loungers
- 11 Emulate one of the Seven Dwarfs

- 13 Nighttime party
- 14 Preclude
- 16 Athletic contests
- 19 ___ through the nose
- 22 Former Italian colony
- 24 Punctured
- 26 Muslim bible
- 28 Harm the reputation of
- 30 ___ mother
- 32 Pertinent
- 35 Acclaim
- 36 Sounds
- 37 Intentions to injure
- 38 Binding machine
- 39 Land area
- 40 Pie ___
- 41 Certain runners
- 42 Sour substances
- 45 Mel of baseball
- 48 Urbane
- 49 Tree, in Toledo
- 52 Frightful giant
- 53 First king of Israel
- 56 Vied for office
- 58 Prefix for pod

SOLUTIONS IN THE NEXT EDITION OF THE TECH

MIT Boxing Club Displays Its Skills

By Michael Bradley
TEAM MEMBER

The MIT Boxing Club scrimmaged against Westfield State College on Saturday in DuPont Gymnasium. This was the first time that MIT has hosted an intercollegiate boxing competition since the MIT Boxing Club was founded in 1991.

Representing MIT were heavyweight Nate Smith G, middleweights Michael Bradley G and Yevgeniy Dorfman G, lightweight Brendan Bellew G, featherweight Sridhar Kalluri G, cornerman Mac Whale G, and timer Leila Bradley of the Whitehead Institute. The MIT Club is coached by Colonel Mahadevan Kandiah, former bantamweight champion of Sri Lanka and coach of the Sri Lankan Olympic Boxing Team.

The scrimmage opened with a heavyweight match between Smith and Westfield's Brian Roust. Smith controlled the action for most of the fight. Moving with an agility which belies his enormous strength, Smith was able to hit his opponent with numerous shots to the head and body, while taking much less punishment himself.

Next, Dorfman entered the ring

to take on Jim Polisino, who was raised in Brockton, the home of legendary fighters Rocky Marciano and Marvin Hagler. Polisino relied on his straight left jabs, but Dorfman was able to take advantage of his shorter stature and superior sense of timing to slip under Polisino's left time and time again to deliver hard lefts and rights to the body.

Club president Bradley moved up one weight class to square off against lightheavyweight Jed Mahoney for the final bout. Mahoney attempted to employ a combination of jabs and hooks. Bradley often broke Mahoney's momentum with counters to the face, but Mahoney's strategy was not ineffective and he was able to land a couple of hard left crosses.

Westfield was unable to field boxers in the lightweight and featherweight classes. Accordingly, the day closed with an exciting exhibition match between MIT boxers Bellew and Kalluri. The quickness of these lighter fighters was much in evidence during the match, and many a heavier man gave thanks that he was not put in the ring to stand against either of the pair.

JV Squash Ends Season with Victory over Milton Academy

By Carol Matsuzaki
TEAM MEMBER

After suffering losses against Middlesex Academy, Belmont Hills, and Tabor Academy, the junior varsity squash team came through on their final chance for glory with a resounding season-ending victory over Milton Academy.

The exciting 5-4 victory was well deserved for this inexperienced but hard-working and mentally tough team. Every team member showed that hustling for every ball will take him or her far.

Tan Bhatnagar G, who anchored the lineup, came up against a tough opponent and took a loss in a tight five games.

At second singles, Jon Goldman '98 lost the first game 12-15, but relied on his patience, consistency, and great gets to take the next three games 17-14, 15-10, 15-5 to win the match 3-1.

A determined third singles player Martin Szum-

mer G willed his way to a decisive 15-12, 15-4, 15-11 straight game 3-0 win.

Hard-hitting Mike Chatwin '97 showed who was the mentally tougher player by winning the first two games, 15-8, and 15-11, respectively, and then the fourth, in a spectacular come-from-behind 17-15 win.

A confident Carol Matsuzaki '95 won a close first game, 15-11 and won the next two with conviction, 15-8 and 15-4, to take the match 3-0, using touch to maneuver her opponent around the court.

Don Hyun '97 showed some great hustle and sportsmanship as he took a tough 3-2 loss in an amazingly close match, 15-13, 7-15, 15-13, 13-15, 15-12.

Dany Cheij '95 gave his 110 percent as he regrouped his focus in the fourth after winning the first and second games and losing the third to come away with a well earned 3-1 win.

The 1995 Carroll L. Wilson Awards

2 Graduate Student Awards planned at \$7,000 each

These awards have been established as a memorial to the late Carroll L. Wilson ('32) Professor of Management at the Sloan School and first Mitsui Professor in Problems of Contemporary Technology at MIT.

Professor Wilson devoted much of his career toward seeking solutions to important global problems through the application of scientific, engineering, economic, and political analysis to programs of action. The underlying goal of his work was the improvement of relations among countries and the strengthening of their institutions and people.

The purpose of the Wilson Awards is to provide opportunities for MIT students to pursue a challenging activity which would have excited the interest and enthusiasm of Carroll Wilson.

The prizes will be awarded to graduate students in any department at MIT on the basis of a competitive evaluation of proposals by a Prize Committee.

Application Deadline Date:
March 24, 1995

Interviews of Finalists:
April 28, 1995

Announcement of Winners:
May 12, 1995

Application forms and additional information are available from:

Ms. Joanna Hills, E15-229
Dean of the Graduate School Office, 3-138

ARTS FUNDING

The Council for the Arts at MIT announces the final deadline for this academic year for applications to its Grants Program for arts project funding:

March 8, 1995

The Grants Program of the Council for the Arts has provided support for over 1,000 arts projects since 1974. All MIT staff, faculty and currently enrolled students are eligible to apply

All types of arts projects have been funded, from poetry readings to photography exhibitions to performance art

Applications and Guidelines are available at the Office of the Arts (E15-205, Wiesner Building) Call Susan Cohen at 253-2372 for more information



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2:30-8 PM
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Keynote: Ted Leonsis, President of America Online Services Speaking on AOL, Microsoft, and the Internet

Cocktail Reception

SPORTS

Mudville Picks All-Americans in Hoops

Column by David Berl and Jeremy Cohen
SPORTS COLUMNISTS

With the college basketball conference season winding to a close, we would like to oblige those residents of Mudville beating at our door clamoring for our All-American selections. They are, in order of fondness for Geraldine Ferraro, as follows:

Bold American #1: Maryland Forward Joe Smith

Although his name is about as generic as Acme brand penicillin, Smith's game has more frills than anyone on either side of the Chesapeake. Leading his seventh ranked Terrapins to national prominence this year, Smith has been simply fantastic. His combination of an uncanny scoring instinct with remarkable athleticism and quickness has already made him Gary Williams' best recruit ever.

Bold American #2: Villanova Guard Kerry Kittles

With a moniker that only Purina could love, "Tender" Kittles "and Bits" has been anything but edible this season. In fact this Wildcat has been chewing up and spitting up some pretty impressive hairballs on his way to a breakout season. He averages over 20 points a game and has led an otherwise inexperienced squad to being a legitimize title threat.

Bold American #3: North Carolina Center Rasheed Wallace

This sophomore big man is liter-

ally a can't miss prospect. Shooting an astounding 67.7 percent from the field, Wallace is the best player in the country from inside 15 feet. He also anchors the Tarheel defense, averaging just over three blocks a game. Many of the Chapel Hill faithful believe he may be the best college center since Ohio State Buckeye phenom Granville "Check Please" Waiters. It's hard to argue with them.

Bold American #4: UCLA Forward Ed O'Bannon

Having finally recovered fully from a knee injury and an inflated ego, this senior Bruin has emerged into the Player of the Year candidate he was reputed to be. A certain NBA lottery pick, he blends big forward size with outstanding outside range, hitting for seven clutch three pointers against Pac Ten rival Arizona earlier in the year. Rumor has it, NCAA coaches from all over the country, including deposed UNLV leader Rollie Massimino (rumored himself to be founding his own, underground Massimino State University), have been spotted recruiting at O'Bannon family reunions.

Bold American #5: Arizona Guard Daimon Stoudamire

Thankfully for Lute, Stoudamire plays far better than his hideous tattoo looks on his shoulder. Perhaps the only player in the history of college sports to turn off his dorm room light and be asleep by the time his room is dark, Stoudamire's speed is his greatest asset on the

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IVC Captures Two 3-Game Wins

By Koji Asari and Gene Van Buren
TEAM MEMBERS

The MIT Intercollegiate Volleyball Club played its first regular season home match last Wednesday against Boston College in Rockwell Cage.

The IVC started the match jumping off to a 3-0 lead in the first game. However, BC countered quickly with a good middle attack and scored seven points while MIT scored only one point. Trailing by three, IVC's Sanjay Ghemawat G stepped up and scored five consecutive points on his serve.

MIT didn't lose its lead again in the first game as they quickly sided out and scored 5 more consecutive points to put the game out of reach for BC. MIT won game one by the score of 15-10.

Relieved that they were able to pull off game 1 without playing its best, the IVC stepped onto the court for game 2. The second game was close throughout. BC seemed much more determined as they fought hard for every point. Good outside hitting by Gene Van Buren G and Tom Klemas G kept the game close.

IVC was trailing 11-8 as middle hitter Phil Le '95 stepped up to the service line. He scored 4 consecutive points on his serve putting MIT up 12-11. Three more points from the serve of Klemas ended the game.

MIT won the final point of the game when right side player Brian Vanden Bosch '95 blocked BC's outside hitter straight down to his feet. BC was clearly frustrated as one of their players exhibited some unsportsmanlike conduct as he bumped Vanden Bosch while the

teams were changing sides.

IVC continued to play well in the third game while BC began to falter. BC made numerous errors to give IVC a commanding lead.

Parry J.R. Husbands G came alive on the right side with a pair of impressive blocks. BC's best outside hitter tried to hit the ball hard down the line, but Husbands reached out with his right hand and stuffed the ball equally hard, straight down onto BC's side of the net.

As BC watched their best hitter get stopped decisively, its morale seemed to drop as they did not put up much of a fight for the remainder of the game. Three service points and a kill by Andrew J. McFarland G put the finishing touches on IVC's victory. IVC won the final game 15-5 to cap off the three-game sweep.

IVC's surprisingly easy victory over a formidable BC team gave them confidence going into its next match against the University of Massachusetts at Lowell this Saturday. The win also improved its record to 3-0 in the New England Collegiate Volleyball League.

Easy win over UMass-Lowell

After sweeping Boston College on Wednesday, MIT had an easy time dispatching the University of Massachusetts at Lowell in three straight games on Saturday, upping

its season record to 4-0.

The match began in a hastened manner due to much of the team not arriving at Lowell in time to warm up for the match. Passing was imprecise and hitting was error-prone. Lowell took advantage of this to keep the score close, but the Engineers pulled it out 15-13 with the help of good setting from Min Chien '98.

Game 2 saw a nearly entirely different IVC team on the court, but the lack of warm-up time was still evident. However, the errors from Lowell began to mount higher, allowing MIT to stay ahead. McFarland produced some good middle offense for Tech, followed by strong serving from Leandro Veltri G to end the game, 15-7.

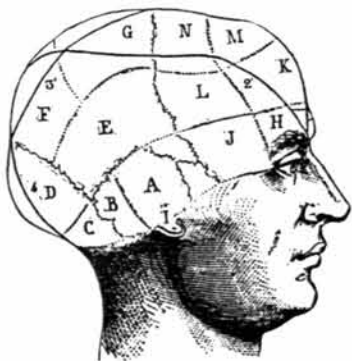
The frustration peaked for Lowell in game 3 as frequent mistakes and scrappy defense from MIT, led by Klemas, took Lowell out of the match. The game went quickly aided by four straight points from Le near the end.

Although UMass-Lowell was well above IVC's easiest season opponents, the match was an easy one for the Engineers. All of the non-starters who went to the match contributed and gained some experience.

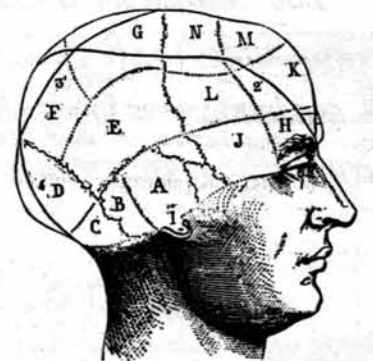
IVC hopes to keep the string of wins going this week with matches at Salem State on Tuesday and Boston University on Thursday.

UPCOMING HOME EVENTS

Tuesday, Feb. 28
Men's Volleyball vs. Springfield College, 7 p.m.



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