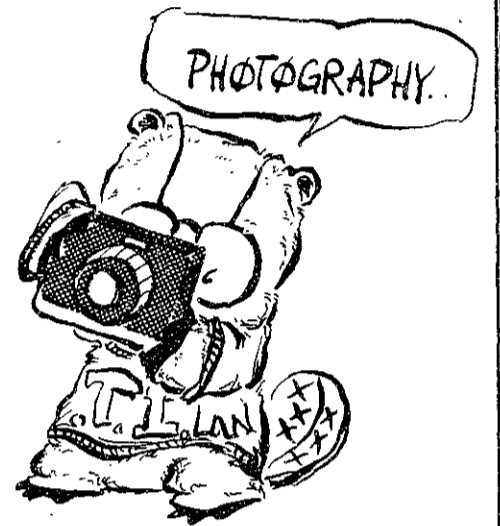
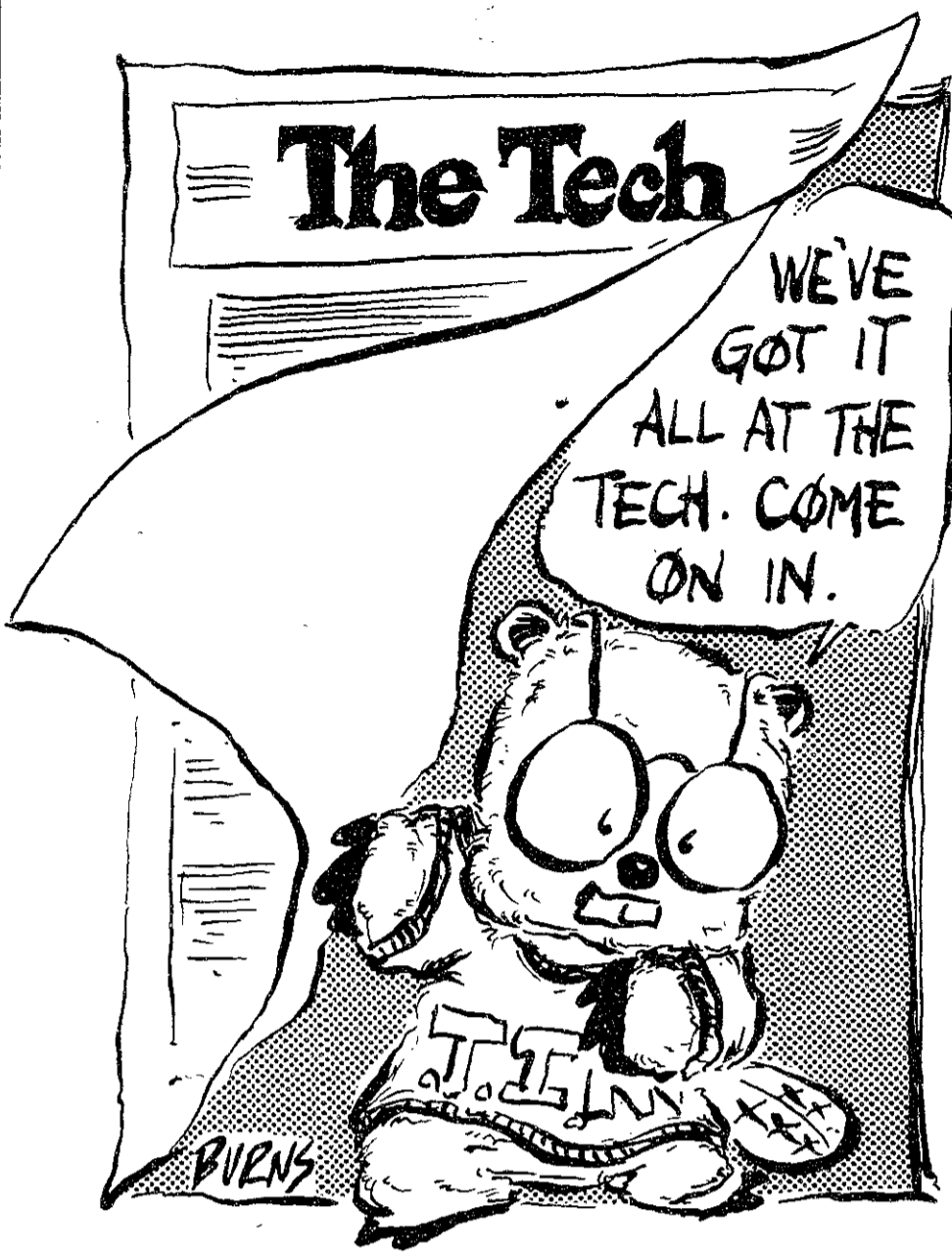


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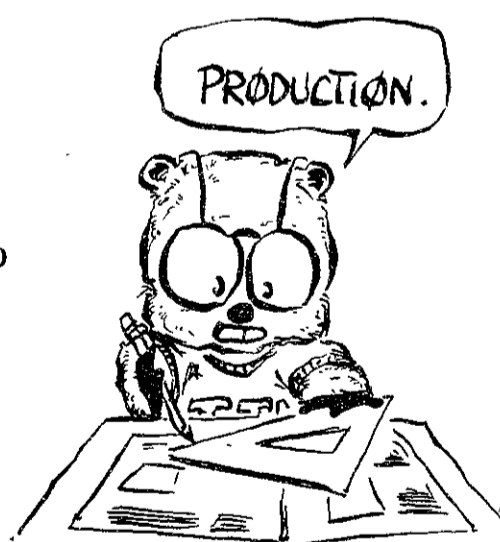
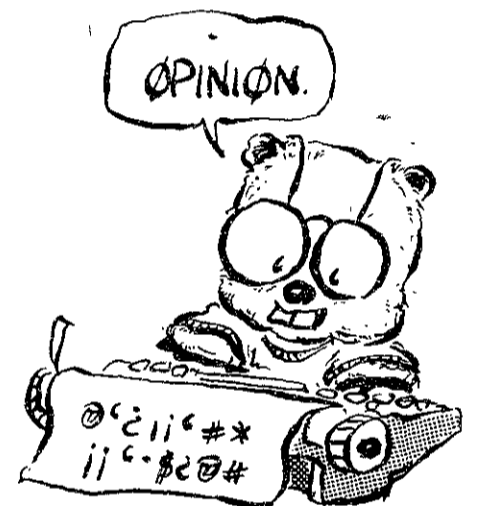


Stop by tonight for an evening of conversation and free Toscanini's ice cream with no strings attached. We are always eager to meet you, hear your opinions of *The Tech*, and invite you to join us.

The News Department offers the opportunity for you to get a first-hand look at what's going on around campus and to report it to the MIT community. **The Photography Department** is open to anyone with a camera. Photography is a skill which improves with practice and taking pictures for the newspaper offers you no end of subjects. Take assignments when you want.

The Sports Department is looking for sports-minded people to write on MIT athletics. MIT fields teams in many sports. Help bring their efforts to the public eye. **The Opinion Department** lets you vent your spleen about anything you see happening at MIT or in the "real world." It also allows for more creative writing.

The Production Department brings out the graphic artist in you. Help design the newspaper and lay-down the text of the newspaper as well and as quickly as you can. **The Arts Department** brings the cultural (and not so cultural) events of MIT and Boston to you and to your readers: movies, records, concerts, plays, you name it.



Come visit us.



Tonight, 7pm

Student Center Room 483

**Toscanini's ice cream
will be served.**

news roundup

from the associated press wire

World

Nelson Mandela may be freed

Winnie Mandela, the South African activist, says her husband, African National Congress leader Nelson Mandela, may soon be released from prison, but she doesn't have "the slightest idea" where or when. Winnie Mandela spoke to reporters at Jan Smuts airport in Johannesburg, after visiting her husband at Cape Town's Pollsmoor prison. Asked whether her husband might accept exile, she replied "not at all." On the contrary, she said he plans to resume his leadership "of the oppressed people of South Africa." (AP)

Duvalier family flees Haiti

Former President-for-Life Jean-Claude Duvalier remains in seclusion at a luxury hotel in southeastern France, after fleeing Haiti on Friday. He is not entirely welcome in France — the municipal council will meet today and consider declaring him unwelcome.

Two nights of jubilation and rioting shook Port-au-Prince after Duvalier's departure, leaving as many as 300 dead. An afternoon and nighttime curfew remains in effect, and there is growing concern about a possible food shortage. A military-civilian council now controls the country. Lt. Gen. Henri Namphy, head of the council, promised his country elections, a new "liberal" constitution, and a "real and working democracy."

The new leaders have made "a good start" toward restoring order and human rights, said White House Spokesman Larry Speakes. The Soviet newspaper *Pravda* claimed that the new leadership is backed by the United States, and predicted that the Haitian people will sweep it from office. (AP)

Phillipine election results contested

Four days after the booths closed in the Philippines, there is still no clear winner, and the official tabulation has yet to begin. The National Assembly is preparing to start on the official vote canvas, the only legally binding count, which might take days or weeks.

The tabulation of votes at the Government's election commission stopped after 30 computer operators walked out. The workers claimed that ballot-counting results on the tabulation board — which showed President Ferdinand Marcos in the lead — did not match the computer printouts. Independent sources claimed yesterday that challenger Corazon Aquino had 54 percent of the vote; government sources gave Marcos 51 percent. US observers, before returning home yesterday, said that they witnessed attempts to undermine both the voting and the subsequent tabulation. (AP)

Spy-swap scheduled for today

Sources in the Reagan administration revealed that the proposed East-West spy swap is scheduled to take place in Berlin today. The United States plans to release a CIA consultant who has been charged with passing defense secrets to Czechoslovakia.

Soviet dissident Anatoly Shcharansky will be freed prior to the exchange in order to separate his name from those of the accused spies, reports *Bild*, a West German magazine. Dozens of organizations have asked to meet him at the airport, and an official ceremony is planned. *Bild* also reported that Shcharansky's mother will also be allowed to leave the Soviet Union, but not as part of today's deal. (AP)

Thirty feared dead in train crash

A nine-car passenger train and a 114-car freight train which was on the wrong track collided this Saturday in Alberta, Canada. Two bodies have been recovered from the wreckage, but the death toll is expected to climb to at least 29. Authorities say it could take weeks to recover and identify all the victims, in one of the worst rail accidents in Canadian history. The freight train reportedly ran a caution light and a red light before the accident. (AP)

Hungarians demonstrate against hydroelectric project

Police dispersed the first independent demonstration in Budapest since 1956 on Saturday. The demonstration was held to protest a joint Czechoslovak-Hungarian hydroelectric project, which experts fear may lead to environmental damage. Close to 100 protesters gathered in a public square; they planned to attend a talk on an island, but were dispersed by police on the way there. (*The Boston Globe*)

Nation

Gramm-Rudman provision called unconstitutional

A federal court in Washington struck down an important provision of the new Gramm-Rudman-Hollings law on Friday, declaring it unconstitutional. The section in question required across-the-board spending cuts if Congress failed to meet specified deficit-reduction targets. Senator Phil Gramm, the chief congressional sponsor of the act, has set in motion an appeal to the Supreme Court to restore that portion of the act. (AP)

Latin American ministers meet Shultz

Foreign ministers from eight Latin American countries met with Secretary of State George P. Shultz PhD '49 yesterday. They urged the Reagan administration to renew dialogue with the Sandinista leaders of Nicaragua, and to stop supporting the anti-government "contra" rebels. The ministers described this course of action as "the only peaceful path." (AP)

Magazine carries account of shuttle explosion

An exhaust plume that escaped from the side of the solid rocket booster of the space shuttle Challenger caused the bottom half of the booster to separate from the external tank, according to a report published in *Aviation*

Week and Space Technology magazine. As a result, the lower part of the broken-off section rotated outward, pushing the top end into the tank, crushing it. The subsequent explosion is what registered as the initial bright flash seen on videotape, the report continued.

Soviets express willingness to negotiate

Soviet leader Mikhail Gorbachev said there are no preconditions necessary for the United States and the Soviet Union to negotiate immediate reductions in intermediate-range missiles, reported Sen. Edward Kennedy (D-MA) after his visit to Moscow. The Soviets have agreed to let 19 citizens, including several long-time dissidents, leave the Soviet Union, Kennedy said. (AP)

Local

Kennedy hopes to visit MIT

Joseph Kennedy, candidate for the eighth congressional district seat vacated by House Speaker Thomas P. O'Neill, toured Cambridge on Friday, stopping in Kendall, Central and Harvard Squares. Kennedy hopes to concentrate on local issues as a member of congress, he told reporters. The federal budget deficit should be addressed first by cutting the defense budget, secondly by seeking

greater efficiency in social programs, and lastly by tax increases, Kennedy said. The candidate plans to visit MIT during the campaign, but was unable to set a date, aides reported. (special to *The Tech*)

Massachusetts Democrats meet

Record numbers of democrats attended party caucuses yesterday, surprising in a year featuring only one statewide democratic contest this year and the race for Lt. Governor, an office left vacant since John Kerry became a US senator two years ago. Over 50,000 democrats turned out across the state. (AP)

Cambridge tours Soviet Union

A panel of Americans who have traveled extensively in the Soviet Union will discuss American-Soviet exchanges and visit the Cambridge Rindge and Latin High School this week. The five-member panel precedes this spring's visit to Russia by the Cambridge Soviet Sister City Delegation.

The panel, to be held at 7.30 pm on Thursday, will include David Kreiger of the Nobel prize-winning organization International Physicians for the Prevention of Nuclear War. Other panelists visited the Soviet Union to study drama, art, and Armenian culture. A second meeting will be held on Feb. 19. (*Cambridge Chronicle*)

Sports

US figure skaters crowned

Debi Thomas became the first black US figure skating champion on Saturday, at a competition in the Nassau Coliseum on Long Island. The Stanford student landed on five triples in her free-skating routine to cement the victory. Second place went to Caryn Kadavy of Colorado Springs, while defending champion Tiffany Chin took third. Brian Boitano won the men's title for the second straight year. (AP)

Eighth-seed wins indoor tennis

Brad Gilbert is the upset winner of the US national indoor tennis championships in Memphis. He defeated second-seed Stefan Edberg, 7-5, 7-6. En route to his first major title, Gilbert had to beat top-seed Jimmy Connors in the quarterfinals, and then eliminate number three, Anders Jarryd, in the semifinals.

Gilbert has been named a singles player on the US Davis Cup team, along with Aaron Krickstein and Jimmy Arias, US Captain Tom Gorman has announced. They will join doubles players Ken Flach and Robert Seguso. The United States will play Ecuador in a first-round match next month (AP)

New world mark set in pole vault

Sergey Bubka of the Soviet Union set a new world indoor record in the pole vault in yesterday, clearing 19' 5" in Moscow. The mark was broken later in the day by Texan Billy Olson, who vaulted 19' 5-3/4" (585.75 cm) at a US Olympic invitational track meet in New Jersey. The world record has already been set seven times in 1986. (AP)

Science

Location of third black hole suspected

An analysis of a two-star system at a distance of 3000 light years indicates that one of the stars may be a black hole. It is the nearest suspected black hole; only one other has been located in the Milky Way. Ronald A. Remillard SM '81 of MIT and Jeffrey E. McClintock PhD '69 of the Harvard-Smithsonian Center for Astrophysics reported the new discovery.

The suspected black hole is three solar masses large, and its companion is a dwarf star which from time to time sheds material into the invisible star, causing it to radiate a powerful burst of X-rays. In a two-month period in 1985 the X-ray brightness of the object increased a millionfold to become the brightest source in the sky. (*The New York Times*)

Quickly rotating pulsar discovered

A new pulsar has been detected in the constellation Aquila, spinning at 186 rotations per second. The spin is extraordinarily rapid and highly uniform, making the pulsar an extremely accurate clock. By watching for changes in the clock's speed, astronomers hope to be able to detect any jostling of the space between the star and the Earth by gravitational waves. The new pulsar is the second fastest spinning among 400 that have been discovered, and only the sixth which orbits a companion star. (*The New York Times*)

Comet Halley rounds sun

Comet Halley passed through perihelion (point in orbit closest to the sun) at 11h Universal Time (6 am EST) Sunday, moving into the outward leg of its 76-year journey around the sun. The comet is too close to the sun in our sky to be visible, having just passed behind the sun as seen from the earth on Wednesday at 6 pm EST. The comet should again be visible from Earth within a month, when it emerges from behind the sun. The next milestones for the comet will come in March, when it recrosses the earth's orbital distance on Mar. 20. (AP)

Weather

the North at 15-20 mph.

Tuesday night: Skies will clear. A northwesterly flow will help to drop temperatures into the teens by morning.

Wednesday: Mostly sunny and cooler with highs 25-30.

Wednesday night: Clear and very cold. Lows 5-15.

Thursday: Partly cloudy with highs near 20.

Robert X. Black

opinion

Editorial

Access to grades should be limited

The Student Assistance Services in the Office of the Dean for Student Affairs (ODSA) supplies grade reports of dormitory residents to their housemasters. Associate Dean for Student Affairs Robert M. Randolph has said that the reports are intended solely for counseling. For example, housemasters could use sudden drops in grades as indicators for students needing help.

But most students barely know their housemasters. Although the ability of any housemaster to advise students is not in question, the fact remains that most MIT students do not require and do not seek this source of advice. The release of these student's grades is an unreasonable breach of privacy.

Academic counseling should rest with the academic advisor, just as residential matters fall to the dormitory housemaster and floor tutor. When academic problems mesh with residential matters, the housemaster or tutor can consult the academic advisor.

In some dormitories, housemasters have given the grade reports to graduate residents. To allow graduate tutors to see the records of other students is improper. Graduate residents may lack the maturity to use this confidential information in an academic advising capacity.

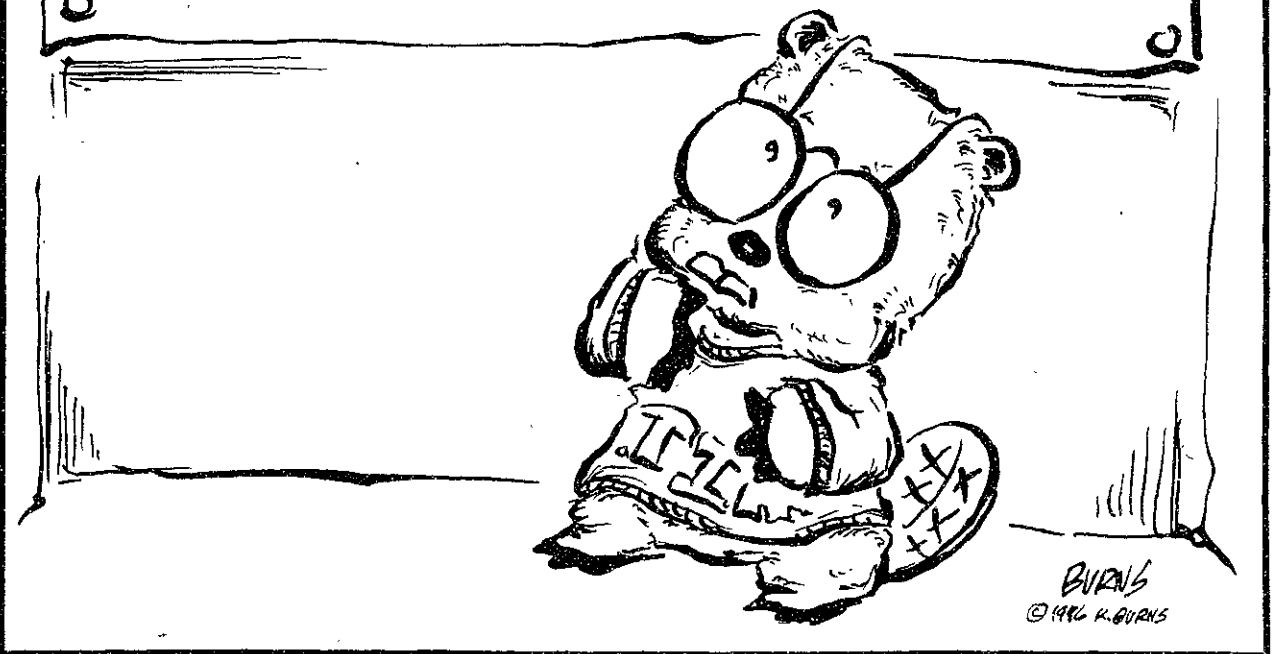
Last year, a dormitory housemaster who learned of a student's poor grades informed the dormitory president of this fact. Allowing a student's personal information to be given to a peer is clearly wrong. This incident shows an abuse that resulted from this unwise policy.

The Institute currently allows all faculty members to access any student's grades if they so desire. This privilege is an unwarranted breach of a student's educational privacy that could lead, in extreme cases, to harassment. If a professor has a valid reason to review a student's grades, that request should also be directed through the student's advisor.

The release of grade information should come strictly at the discretion of the student and his or her academic advisor.

OFFICIAL INSTITUTE TENURE POLICY:

1. THOSE THAT CAN, DO.
2. THOSE THAT CAN'T, TEACH.
3. THOSE THAT CAN'T TEACH, GET TENURE.



Column/Thomas T. Huang

She's home for Christmas

She's home for Christmas, and her parents are arguing. Mother sits down at the kitchen table to read the newspaper. Father stands, listening to the rustle of the pages. His right hand is playing at his beard.

Back from college in the east, she lies on the sofa, plucking pine needles from her dirty sweatsocks. Her parents have thrown out the tree for the garbage men to pick up. She can see it now, if she wants to. It's dark green, lying dead on the driveway. The needles hurt her feet.

What's the matter? her father asks.

Nothing's the matter, her mother replies.

Upset, mother becomes cold and silent, goading father to ask what's the matter until they both explode in anger. What gets to her is that her father knows exactly what's the matter, and her mother doesn't read newspapers.

Can we help you with your bags, dear? they had asked at O'Hare.

No, those are just bags under my eyes. I haven't slept in a week.

You're so quiet. How is the weather in Boston? Do you have any friends? What is that you have in your hair? Do you have enough to eat? Of course she does, she's a little chubby now. Oh no, you look just right. I didn't like it when you were so skinny. You look just right.

(A year from now, they will say: "Remember last Christmas, when you were overweight?")

Do you have any friends? Your brother will be back tomorrow. We'll all be together again.

She has this sudden urge to drag the Christmas tree back in, hurl it onto the kitchen table and say: Sic Semper Tyrannis!

In college, she thought she had

found a certain freedom. She could go out with anybody she wanted and come back to her room at any time in the night. She could decide which courses to add and which to drop, when to go to class, when not to.

Her classes were very hard, and she could no longer watch television while doing homework. She stayed up until morning, studying and snacking, sleeping in late, missing breakfast. This horrified her mother.

She returned home trying to impress her parents that she was more mature. Her childhood bed with all its fantasies seemed strange. She went to parties and tried to show her high school friends how she had tuned into the new wave fashions.

But Christmas and New Year's Eve left her hung over, and the early January blues set in. Her brother left for graduate school, while her friends returned to their colleges. She was no longer the mature college student who returned home, triumphant, but the 19-year-old kid who had crawled back to the nest.

In the end, she watched a lot of television: the bowl games, Fred and Barney, Arnold and Willis, Wally and Beaver, Greg, Marsha, Peter, Jan, Bobby and Cindy. ("Mom always said, 'Don't play ball in the house.' Mom always said, 'Don't play ball in the house.'")

The day before Todd left, they

played basketball:

They are both bundled up with jackets and sweatpants. The air is cold. It hurts her lungs, and she can see her breath, but for once the driveway is not icy. The garage hoop is rusty. The net is torn.

Move and shoot.

As the Toad drives in for a layup, she says: Dad and Mom are fighting a lot these days.

Release the ball.

Yeah, he says, gulping air, hands her the ball. He frowns. She can't tell whether he's worried about their parents or something else. Dribbling the ball, she careens into him. Even though she presses against him, he is distant. It reminds her of when they played hide-and-go-seek and she couldn't find him.

Her brother is four years older, and he has come to some understanding with their parents. Whatever we choose to do is up to us, and whatever they choose to do is up to them, he says as he steals the ball. That's the way it is.

The ball hits the floor.

And as her father's fist hits the kitchen table, she bursts into tears. She doesn't know what to say. She realizes that she hasn't really grown up. She loves them so much, but she doesn't know how to stop them, or reason with them.

Her parents are strangers now. She doesn't know who they are, and she wonders if she ever did.

TheTech

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Letters to the Editor are welcome. They should be addressed to The Tech, PO Box 29, MIT Branch, Cambridge MA 02139, or by interdepartmental mail to Room W20-483. Letters should be typed and bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. The Tech reserves the right to edit or condense letters. We regret we cannot publish all of the letters we receive.

opinion

feedback

Tenure depends on finances

To the Editor:

I would like to offer some comments on Professor Frank E. Morgan's tenure case, which has received much attention in *The Tech* recently. It has been fairly treated: Earl Yen's article ["UA urges tenure review," Feb. 4] was objective and accurate, while the letters from Marino Tavaréz ["Teaching not a priority at MIT," Feb. 7] and Miller Puckette ["Make you views known to MIT," Feb. 7] offered eloquent personal testimony to the deep impression Frank has made on many MIT undergraduates over the last seven years.

In the discussion, emphasis has been placed on Frank's teaching and his contributions to the Institute. Perhaps I could add some remarks about his research. Mathematics research is usually not easy to describe to non-specialists, and Frank's papers are as technical as anyone's. Yet many undergraduates know something about his professional work, because of his efforts in class to communicate the excitement he feels in doing it.

Frank's research is in the theory of minimal surfaces — those surfaces which have minimal area for a given boundary. If stable, they can often be realized by shaping a wire in the form of the boundary and dipping it in soap solution; the resulting soap film spanning the wire will be the minimal surface. The classical problems are existence and uniqueness: for a given boundary, does a minimal surface exist, and if so, is it unique?

One could say (erroneously, but let it pass) that Nature shows us the surface exists — at least in three-space — but she is silent about the uniqueness. Much of Frank's research has been on this uniqueness question. He showed that in a certain sense, there would be a unique surface for "almost all" boundaries. The proof required a difficult mixture of probability theory, differential equations, and geometric measure theory.

This answered the question "in

general," but left it open for particular boundary curves. He next astounded the experts by showing that by using as the boundary four carefully placed circles, you could get a whole continuous infinity of minimal surfaces, each bounded by the same four circles: uniqueness violated with a vengeance! (Mother Nature doesn't know about these — they are unstable and will never be seen.) Very recently, he has found an extensive class of boundary curves for which he can prove that there are at most only a finite number of minimal spanning surfaces.

These are all striking and original contributions to a 100-year old problem. But he has done more. As anyone who has seen the soap-bubble machine in Building 6 knows, the minimal surfaces can have singularities — nonsmooth points where they cut and self-intersect. The investigation of these singularities is considered one of the most important problems in the theory today. Frank has taken a significant first step by showing what the set of tangent lines at these singular points must look like. Most surprisingly, his efforts to generalize this result to higher dimensional "surfaces" lead him away from measure theory and differential equations into pure algebra, of a difficult variety — the so-called Grassmann algebra of 3-planes in spaces of dimension 6, 7, and higher. 140 years after this algebra was invented, Frank is making discoveries about it.

As letters we received attest, Frank's research in minimal surfaces is highly respected by his colleagues around the world. Moreover, appearances notwithstanding, teaching and service are important considerations in tenure cases; in our Department, there have been tenure decisions in which teaching and service were probably what tipped the scale (both positively and negatively). In the face of Frank's achievements, the Department did not have an easy decision.

In the most recent national rankings, our Mathematics Department was tied for first place. Due to the new Massachusetts law, we will have hardly any retirements over the next ten years. Budgets will even probably force some contraction of the MIT faculty over this time period. The tiny handful of people we give tenure to over the next ten years will of necessity be the bedrock of our standing for many years to come. Moreover, mathematics changes rapidly, but tenure is forever. These few new appointments have to be our principal way of keeping up with newly emerging fields.

In these times of late retirement, inflation, and tightening budgets, it is very hard to get tenure in mathematics at MIT, and I assume elsewhere in the Institute as well. MIT does not have like Berkeley a generous state legislature pouring money in, nor has it the endowment of such private schools as Harvard, Yale, and Stanford. In his letter, Miller feels that the solution is for MIT to receive less money from its alumni; I myself would have reached the opposite conclusion.

Arthur Mattuck
Class of 1922 Professor
Head, Mathematics Department

Jet Propulsion Laboratory/CALTECH
Campus Interviews Th., Feb. 13 & Fri., Feb. 14

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opinion

Column/Simson L. Garfinkel

Humanities are too crowded

"People are getting sick of science and engineering. . . . I went to a French class. There are two sections — 60 people showed up to just one. They're going to try to make another three or four sections." — an anonymous undergraduate.

What has happened to enrollment in the Institute's humanities subjects? Instead of dwindling, humanities are now among the most popular and overcrowded subjects offered, even in comparison to desirable engineering subjects.

"I went to a writing class — the kind where we are supposed to read each other's papers — and fifty people showed up on the first day." — an engineering student.

We tend to think of departments such as humanities, political science and architecture as "service departments" — departments that exist in part, at least at the undergraduate level, to provide their subjects primarily to non-majors. In recent years the number of students taking advantage of these departments has greatly increased; students are now taking more than the eight humanities subjects required for graduation. I am fearful that the quality of humanities at MIT is beginning to suffer as a result of the overcrowding caused by over-enrollment in popular subjects.

Last Thursday, I spoke with Ruth (Ikey) Spear, coordinator of the Humanities Undergraduate Office. She smiled at the thought of so many MIT students taking humanities subjects but admitted that there had been problems with overcrowding in some subjects.

A humanities major, in the office at the same time, was more vocal. "It's been getting worse every term, class by class," he said. "Something is going to have to be done about it — unfortunately, it is probably going to happen after I graduate."

What is it that is causing this overcrowding?

Two and a half years ago, I took Creative Photography (4.921). Seven students were in my section, and approximately 12 were in the other. This semester, over 100 students wanted to take the subject, yet fewer facilities and teaching resources are available now than were in 1983. If I had wanted to take 4.921 this semester, I might not have been able to. Similar conditions exist for almost all of the subjects offered in the visual arts.

Is MIT admitting a different kind of student, a broad-minded student interested in the arts and social sciences in addition to technical subjects? A student who is concerned with literature and philosophy in addition to circuits and signals? Or is it simply

that students have internalized the Institute's stated position on the importance of a well-rounded education:

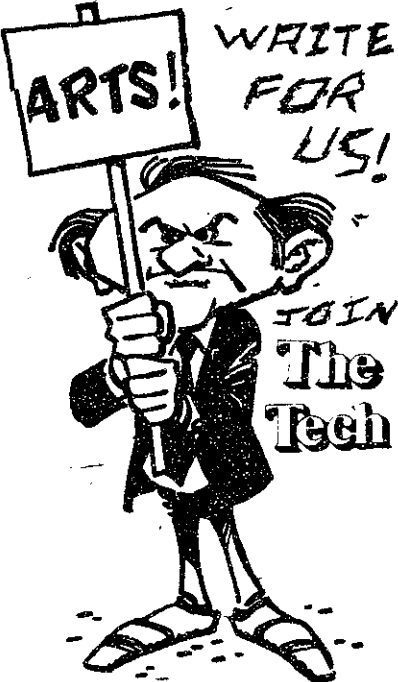
"MIT provides a substantial and varied program in the humanities, arts, and social sciences which forms an essential part of the education of every undergraduate," reads the 1985-86 MIT Bulletin. "Through this program, students can deepen their knowledge in a variety of cultural and disciplinary areas and can develop sensibilities and skills vital to an effective and satisfying life as an individual, a professional, and a member of society."

As long as I have been at MIT, I have listened to advisors, deans and teachers tell students to take advantage of MIT's humanities programs. I have listened to the recent talk of educational reform at MIT. I have watched the creation of the Dean for Undergraduate Education and understood that one of Margaret L. A. MacVicar's primary goals will be to see engineering students take more humanities subjects.

The time has come for the Institute to support these goals with significant financial backing. If the Institute wants more students

taking humanities subjects, then it must hire more teachers to provide more sections of these subjects. Popular subjects require more sections: students deserve to be able to take these subjects without crowding. We cannot accept sign-up sheets and limited enrollment as solutions to the problem of crowded subjects in art or literature. There is certainly no shortage outside of the Institute of people trained to teach these subjects; we must hire them.

Students, for the most part, believe that MIT's humanities subjects are top-flight. This belief has been, until now, generally justified. But this degree of confidence cannot be maintained in the years to come unless serious efforts are made now to reduce overcrowding. The only acceptable way to reduce overcrowding is to increase teaching capacity.



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McNair's promise cut short

(Continued from page 1)

one year after McNair enrolled at MIT as a physics graduate student.

"The environment [of McNair's childhood] was still very segregated," Williams explained. "You got your strength from your community. There was certainly a tremendous segregation between the haves and have-nots."

McNair graduated as valedictorian of his high school class and starred in basketball, baseball, and football. But his two loves were science and the saxophone.

"He was interested in science ever since he was a little boy," said physics professor Michael S. Feld '63, McNair's graduate thesis advisor.

Professor Ali Javan, who also worked with McNair on his MIT thesis project, said McNair would sometimes play his saxophone in the laboratory, patiently waiting for the results of experiments in the late hours of night. "He was an absolute virtuoso on his saxophone," Javan recalled.

McNair became a presidential scholar and was awarded a scholarship to North Carolina Agricultural and Technical State University. After trying a music major, McNair decided to develop his talents in the natural sciences.

McNair learned karate during his undergraduate years and eventually became a fourth-degree black belt. "His karate required a lot of precision . . . [and] discipline," Williams said. "It was similar to his studies."

In the spring of his junior year, McNair came to MIT as part of an exchange program designed to bring promising black science students to the Institute. He stayed at MIT for the summer, taking courses and doing more research.

McNair graduated magna cum laude from North Carolina A&T in 1971 with a degree in physics. Encouraged by his North Carolina A&T professors, McNair applied and was accepted to MIT's graduate physics program on a Ford Foundation fellowship.

McNair had "boundless energy"

"When he came to MIT, he came with a weak background in physics," Feld explained. But McNair quickly caught up with the other physics graduate students, excelling in many of his classes.

"I wasn't aware that he came to MIT at such a disadvantage," Javan said. "He was right there with everybody else. Ron was just very sharp — a true scientist."

"It took tremendous effort to get up to speed," Feld acknowledged. "That took a lot of determination."

McNair also excelled in laboratory research. "He was one of the best people in the lab," Javan recalled. "He was very thorough, very original. He had a wide breadth of knowledge."

Outside of class, McNair focused much of his energy on a karate club he started at St. Paul's African Methodist Episcopal Church in Cambridge.

"The club became very popular," said Feld, whose family joined the club. "My kids are still doing karate today. It was interesting having a graduate student who was also your karate instructor."

"He encouraged a lot of young people to be part of his club," Williams said. "His leadership ability in handling young men

and women really showed. He worked well with my sons: they always saw him as a role model."

John Turner, associate dean of the graduate school, remembers McNair holding a seminar on the physics of karate in front of a packed lecture hall.

"He wasn't a big guy — he was only about five-foot six," Turner said. "But he would command attention when he walked into a room. He was a very popular student here — very outgoing, very down-to-earth. As soon as you met him, you felt like you knew him a long time."

McNair worked as a physics tutor in the Black Student Union (BSU) tutorial service and was also a member of Omega Psi Phi, a predominantly black service and social fraternity. "He had boundless energy," Turner said.

Both Turner and Williams were involved in a campaign to increase minority enrollment in the MIT graduate schools during McNair's MIT years.

"McNair was one of the students who was very interested in being helpful," Turner recalled. "There was a project to increase the number of black graduate students in the physics department. McNair visited other schools including his alma mater to encourage promising students to come to MIT."

McNair became interested in laser spectroscopy and began work on his thesis project supervised by Feld, who became a close friend. McNair studied the storage of laser energy in molecular vibrations, and he soon became an expert in molecular laser physics.

"He did some of the earliest experiments in the field," said Javan, who also developed a close working relationship with McNair. "His work was very original."

McNair married Cheryl Moore in St. Paul's AME church, and received his doctorate in 1976. The couple moved to Los Angeles when Ron became a staff physicist at Hughes Research Laboratories.

McNair joins NASA

In 1978, Ron McNair was accepted to the National Aeronautics and Space Administration's (NASA) mission specialist program for scientists interested in becoming astronauts.

Even during his NASA training, McNair would often come back to MIT to visit his friends. "Sometimes he would just show up unannounced," Turner said. "He just loved MIT."

"He would fly all over the United States," Turner continued. "He'd stop in San Francisco for lunch, drop by in Boston for dinner, and then go back to Houston at night."

On Feb. 3, 1984, McNair made his debut in space as a mission specialist on board Challenger flight 41B. He operated a mechanical arm which aided in the testing of jet backpacks during the mission. He became the second black American in space.

He returned to MIT in April 1984 to speak to the MIT community, and he encouraged students to join the NASA mission specialist program. His lecture was part of a special celebration honoring his first space shuttle flight.

"Even after becoming well-known, whenever I asked him to speak with students here, he would always squeeze it in," Turner emphasized. "He was an excellent orator. He was always

encouraging young people to go into science and engineering."

Less than two months ago, McNair spoke with David Waugh, dean of the Engineering School at the University of South Carolina, about the possibility of joining the faculty there.

McNair told Waugh that "blacks don't grow up and prosper and move away — they go away and prosper and come back."

But Ron McNair never got a chance to come back. He perished aboard the space shuttle Challenger on Jan. 28, along with six other astronauts.

MIT reacts to McNair's loss

"He was just starting his career," Feld said. "He was going to do something of national significance. This was just the beginning for him."

"Many people outside the black community don't realize how big a loss his death is," Turner said. "Speaking from a black perspective, we have to fight myths about black intelligence, black credibility. He was one of those persons who knocked down so many of those myths. He became a hero to the black minority."

"But his dying is not in vain," Turner continued. "His will be a beacon of light for minorities. Maybe they will challenge themselves to become Ron McNair. His credo was 'Maximize your talents and abilities.' That's the kind of message he would have liked to leave behind."

"But for me, he will always live," Javan said.

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ARTS

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The American VocalArts Quintet will present a Valentine Day's program entitled "Wine, Women and Song," including works composed by women and about women and romantic love. Longy School of Music, February 14 at 8pm. *MIT price: \$3.*

BOSTON PREMIERE ENSEMBLE*Candlelight Salute to the Sun King*

The Boston Premiere Ensemble, F. John Adams, conductor, will give their third annual candlelight concert, featuring soloists selected from a competition in January. The program includes works by Lully, François Couperin, Delalande and Charpentier. Church of the Advent, Boston, February 22 at 8pm. *MIT price: \$5.*

SINFONOVA*World Premiere in Boston*

Sinfonova will give the World Premiere of Delalians' *Topophonic Concerto* and perform Haydn's *Piano Concerto in D* with Aroutian Papazian as soloist for both. Tchaikovsky's *Serenade for String Orchestra* completes the program.

Jordan Hall, February 28 at 8pm. *MIT price: \$6.*

Vivaldi's Four Seasons

In our recent "The Year in Review," *The Tech* named Sinfonova's October 16 all-Mozart concert "Chamber Concert of the Year." Conductor Aram Gharabekian is one of the region's most sensitive interpreters of music, and has proved he has something fresh to say about even the most familiar of works. Sinfonova's performance of Vivaldi's *Four Seasons* with Stephanie Chase, solo violin, is therefore likely to be a very exciting event. Also on offer in this Gala Concert will be the World Premiere of McKinley's *SinfoNova* and Tippett's *Fantasia Concertante on a theme of Corelli*. Jordan Hall, March 15 at 8pm. *MIT price: \$7.*

Tickets will be sold by the Technology Community Association W20-450 in the Student Center. As opening hours are currently a bit sporadic, please call before you come. If nobody is in, please leave your order and your phone number on the TCA answering machine at 253-4885. You will be called back as soon as possible.

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UA NEWS**Coop Board of Directors -
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If you would like to find out more about the functions of a student director in the Coop Board, please feel free to contact one of the 2 current MIT student directors: Vivienne Lee, x5-8551, and Bernie Teh, x5-8441.

Applications for Coop Board of Directors may be obtained from the UA Office, Student Center, 4th Floor, Room 401; due back by Feb. 15.

UA COUNCIL MEETING

Thursday, February 13th
7:00 pm

West Lounge, Student Center

All representatives should attend or send proxies.

HowToGAMIT

Do you know How to Get Around MIT?
Would you like to tell the incoming freshman and graduate students?
It's easy to do... just edit a section of HowToGAMIT. Several slots are still available - contact TCA at 3-4885 for info.

Tuition Increase?

Bryan Moser will be presenting information to the administration concerning the affect of high tuition on student life. Send letters to Bryan at the UA Office describing how tuition levels have affected your life:

- How has high tuition affected student life?
- How does high tuition affect MIT's applicant pool?
- How does high tuition affect study and career choice?

Send them to W20-401 by February 14th.

ARTS

Idyllic essay in Sorrowfully-sweet oxymoron

Boston Camerata, directed by Joel Cohen, performed *Madrigali Amadori*, "A Bouquet of Love Songs," Jordan Hall, February 8.

Visit by night your lady's chamber window
With some sweet consort;
To their instruments
Tune a deploring dump — the night's dead
silence
Will well become such such sweet-
complaining grievance.
This, or nothing else, will inherit her.
(Proteus)
The Two Gentlemen of Verona
William Shakespeare

Shakespeare well-knew the power of oxymoron to add extra interpretive power to his verse; it is no accident that one of his most piquant uses of the structure is in reference to music.

Last weekend Joel Cohen's Boston Camerata performed a program of Renaissance madrigals on the theme of love. Some were of a happy vein, but the more poignant pieces set startlingly beautiful music to words of lament. Sung idyllically by the Camerata, such "sweet-complaining grievance" amply succeeded in "inheriting" the hearts of the attentive audience.

The Camerata's singing is like velvet, and this quality of transparency sharpens its emotionally penetrating power. Instrumental-playing is closely-balanced with singing, illuminating and embroidering the message of the song.

The concert began with Salamone Rossi Ebreo's *Con la luce e col canto*, in which the purity of harmony and perfection of ensemble-work became quickly apparent. The inspired free-flowing viola da gamba playing of Laura Jeppesen was particularly well highlighted here.

One of the more attractive aspects of Camerata concerts was the entertaining and informative commentaries of Joel Cohen. Following the introductory music, Cohen explained that madrigals are far more complex than "Nymphs and Shepherds doing 'FaLaLaLaLa' and doing other things as well," and proceeded to prove his point with a set of beautiful *Lachrimae*. Monteverdi's *Dolci i miei sospiri* had a relaxed quality underlined by Richard Clemmitt's accomplished spinnet playing. After the meditative *Wer sehen will* by Jacob Regnart, Cohen movingly played Dowland's *Lachrimae* on lute.



John Ward's "Out from the Vale" ended this section. It was a piece of intense melancholy, translated into rapture by the heavenly weaving and combining of Camerata's sympathetic voices.

"Dying," Cohen said, was a Renaissance metaphor for the height of love. His explanation helped make sense of the section called "Singing and Dying." *Tirsi vicino a morte* by Andrea Garieli was brought off with great depth; *Eccomi pronta* by Monteverdi was done suggestively with a lively sense of humor.

The second half of the concert was equally inspired, proving beyond doubt that as Shelley's poetic lovers declare:

"We — are we not formed, as notes of music are,
For one another, though dissimilar?"

Jonathan Richmond

Which of the two powers, Love or Music can elevate man to the sublimest heights? It is a great problem, and yet it seems to me that this is the answer: "Love can give no idea of music; music can give an idea of love." Why separate them? They are the two wings of the soul?

— Hector Berlioz, *Memoirs* (1865)

Hockney denounces tunnel vision

David Hockney, speaking at the Carpenter Center for the Visual Arts, Harvard University (Quincy Street), Feb. 6; exhibition of some of his recent prints, through Mar. 2.

Serious air-conditioning problems surfaced in Le Corbusier's reputed Carpenter Center last Thursday, as an overflow crowd congregated to listen to David Hockney. The congestion was clear testimony to the star status of Hockney, the photographer, painter and printmaker who is English by extraction but now fittingly a Hollywood resident. He disappointed few people on this occasion: the subject of his talk was not especially novel but his captivating presentation made up for that.

The issue at hand was linear perspective. Ever since the Renaissance, this has been considered the "preferred" way of looking at things, one which corresponds most closely to "reality." Photography has become its major exponent; photos are supposed to show what things "really" look like. Hockney stated that, while he was still mainly a photographer, he perceived this attitude as narrow-minded.

Basically, he claimed, linear perspective is utterly artificial. A rigid perspective view shows the world as it should look to you when you peep through a hole using just one eye and not moving — "In short, you are not very human." Consequently, "It is a false distinction to say that there is representation and abstraction;" the very point of view which poses as eminently representative is in fact loaded with abstractions.

Hockney presented a standard example (Masaccio's *Trinity with Donors*) and an equally standard counterexample (the Chinese sense of space in painting) to illustrate his views. But his recent experience of driving through the new St. Gothard tunnel in the Alps provided him with fresh metaphors. The view from his car looked like this:



Its strict frontality, absence of temporal development and convergence of lines in a single vanishing point at infinity made Hockney conclude: "Perspective is tunnel

vision." Once outside the tunnel, he felt rather like this:



Clearly, he stated, "Infinity is everywhere, surrounding the viewer" — an interpretation that seemed to him "theologically sound."

Hockney's art reflects his concerns. The concept of lines converging toward a vanishing point is emphatically absent from his works; instead (most strikingly in his many depictions of chairs), he has his lines diverge to evoke extension and substance. Often, he shows objects from a revolving viewpoint. In his photos he applies collage techniques to add an element of time.

This denouncement of linear perspective is not exactly revolutionary. While photography, for obvious reasons, has felt perspective's spell most intensely — indeed, it is in this medium that Hockney's contribution is likely to make its major impact — most other 20th-century art takes its restricted validity for granted. As seen against this background, Hockney is mere-

ly more explicit than others, both in works and in words.

It is not surprising that Picasso's legacy looms heavily over Hockney's work. Hockney deemed the Cubist revolution the major artistic achievement of the century, and Picasso's work its most compelling single *oeuvre*. But he claimed both are still largely misunderstood. People tend to view them as no more than a "manner," an abstract, secondary way of looking at the world. However, "Cubism is not a style," it is a form of representation perfectly valid in its own right; Picasso's creed still needs to be proselytized by "lesser artists."

The Hockney prints currently on display at the Carpenter Center fit perfectly in this program. Colorful and pictorially simple, they exhibit a kind of middle of the road eclecticism that owes as much to Matisse as it does to Picasso. But the aesthetic rigor of these illustrious models has been mellowed down quite a bit, and the results are often somewhat bland. There is enough to please the eye, but one wonders how long its impression will last.

Michiel Bos

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אביו כעלן את לוח אביו וישל כעלן
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Report proposes new course

(Continued from page 1) scientific disciplines other than astronomy," said committee member Stephen Lippard, professor of chemistry.

"A program like this is going to require a lot of work by the faculty," Lippard admitted. "Its success will depend on whether the people competent to teach it will be willing to do the work and permit the diversion from their local research."

Maier suggested that the faculty would probably be open to an innovative program of this sort if some form of central administrative control were emphasized in the new system.

Pornography forum fails to attract participants

(Continued from page 1) the policy did not adequately take everyone's concerns into consideration.

Barbara M. Fienman, campus activities advisor, agreed. "It is good to have a policy so it can be used when the need arises," she said.

Students' concerns will be relayed to the executive committees of the UA and GSC at a joint meeting to be held in the next few weeks. When the draft has been approved by the councils of both groups, it will be submitted to Dean for Student Affairs Shirley M. McBay.

The MIT policy on sexually explicit films "is a commitment the dean entered into two years ago under incredible pressure from students and faculty," Hildebidle said. "She has to fulfill her obligation."

"There has to be somebody, probably Dean [of Undergraduate Education Margaret L. A.] MacVicar, with primary responsibility for monitoring the curriculum situation and minimizing overlaps," said committee member Merritt Roe Smith, professor of science, technology and society.

The committee insisted that this supervisor receive a budget adequate for providing released time or summer salaries so that faculty members, particularly junior professors, could afford to invest time in developing new courses.

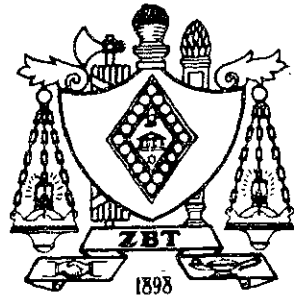
Several details which must still be worked out within the proposal include accurately defining teaching loads, with particular concern for subjects which are taught by more than one professor, and ensuring accuracy in the

unit designations given to subjects in all disciplines, the report stated.

The committee recommended more discussion on subtle attitudes that might undermine the success of any new system. In particular, the report criticized the tacit ranking of "hard," career-oriented fields of learning over "soft," less utilitarian studies. "Invidious distinctions of that sort undermine the willingness of students to invest serious effort in HASS subjects," the report stated.

"Changing these attitudes will be evolutionary rather than revolutionary," Lippard conceded.

The faculty has expressed great concern over these issues, she continued. "The thrust is very positive and should be met with enthusiasm," Friedlander concluded.



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would like to congratulate the newly-initiated Alpha-Epsilon pledge class:

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Andre Castagna
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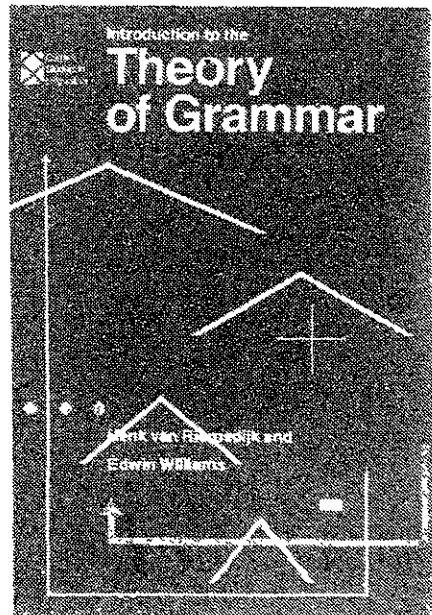
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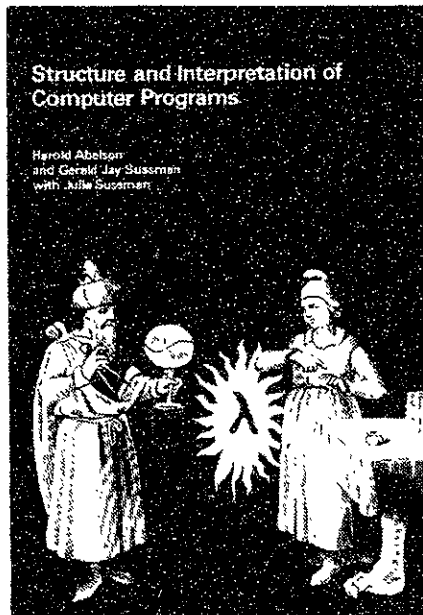
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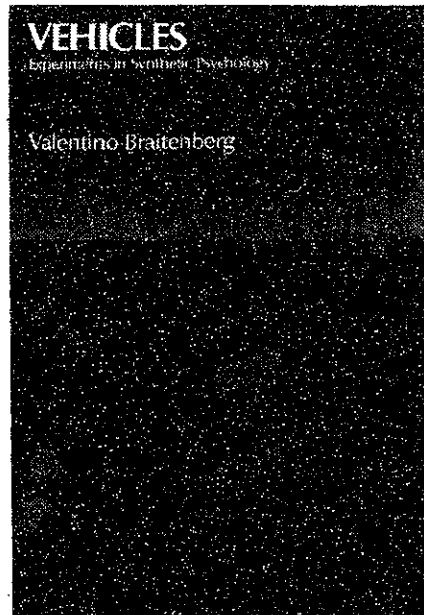
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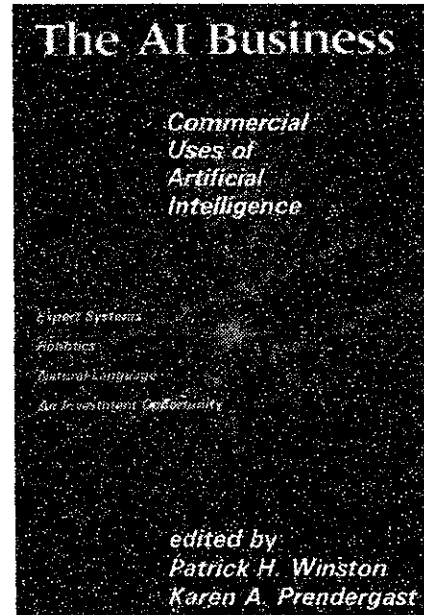


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From The MIT Press

Forum examines the morality of SDI

(Continued from page 1)

struction (MAD), he added. MAD is the theory that any nuclear war would be so destructive that neither country could win.

The fear that the Soviet Union may be researching an antimissile system of its own is one factor among others that prompted the proposal of SDI, according to Pipes. The project should have been called "Strategic Defense Response," he added.

Premises of nuclear arguments

Discussions about nuclear weapons can be divided into those which presume that nuclear war is fundamentally different

from all other conflict and those which do not, Hehir asserted. The Western tradition of views on war derives from two thinkers, he said: Clausewitz, who called war "the extension of politics by other means," a rational action as a last resort to achieve political goals; and St. Augustine, who said war can be morally defensible if the use of force is limited.

Some present-day strategists, such as Reagan and Henry Kissinger, try to "stretch classical categories . . . over the new reality," Hehir said. They believe nuclear war can be a rational action, and a limited nuclear war

can be planned, he said.


Others, such as former defense secretary Robert McNamara, believe that because of their unprecedented power, nuclear weapons have no use other than deterrence, he continued.

Hehir characterized Reagan's conception of SDI as an attempt to "get us out of the dilemma of the nuclear age" and nullify the distinction between nuclear and conventional weapons by removing nuclear weapons' "seemingly inherent threat" to civilian populations.

This goal, requiring a near-perfect antimissile defense, would transcend deterrence, he said, but

few believe it can be achieved. A more limited defense would not transcend, but enhance deterrence, he continued, because it would cut down the destructive power of a nuclear attack.

About 80 students and faculty attended the forum, which was sponsored by the Technology and Culture Seminar, the MIT Disarmament Study Group and Computer Professionals for Social Responsibility. This forum was the last of a series of three on SDI, following sessions last term on the project's technical and economic aspects.



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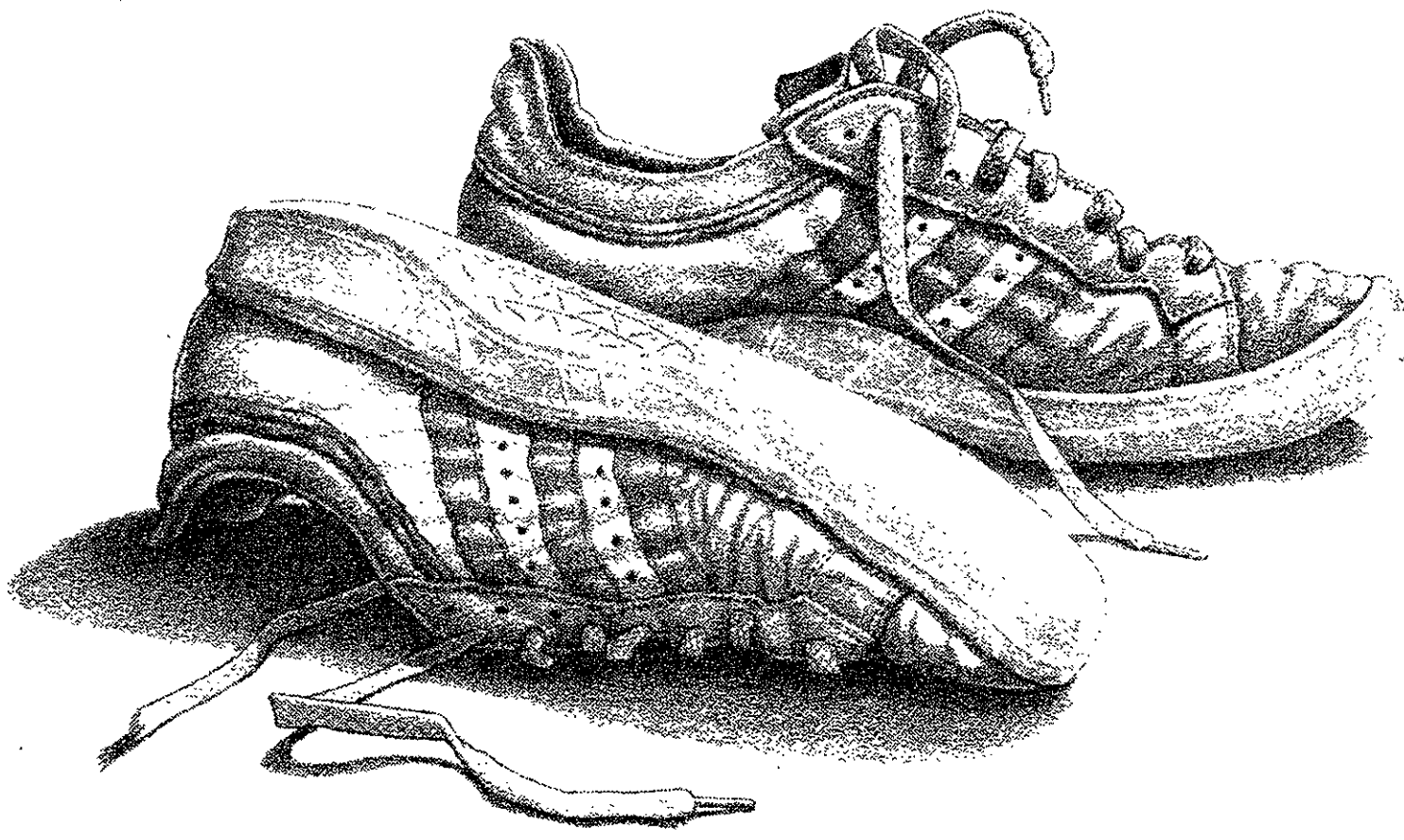
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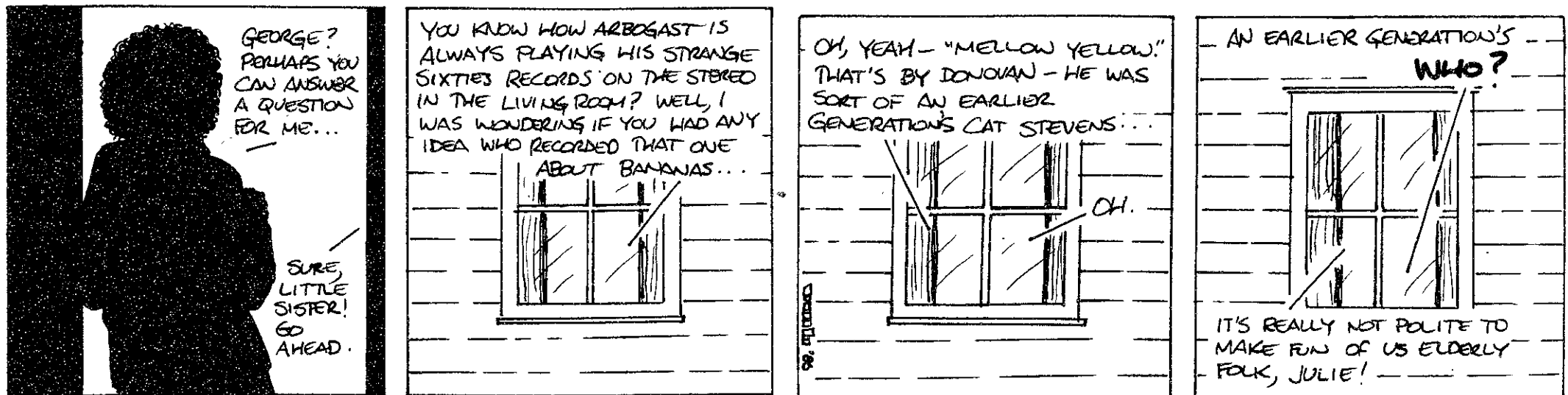
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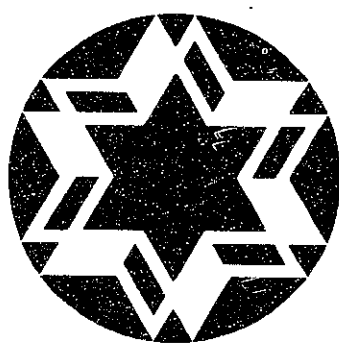
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Nancy Ellman '86 fences a Princeton opponent Saturday.

Tech photo by Dave Watson

Track runs over Polar Bears

(Continued from page 16)

an identical result, as Vanu Bose '87 was unable to catch up with the leader and ended up second, with Schubert finishing third.

The Engineers took the lead in the remaining sprint events with a strong 22-5 run. Co-captain Dan Lin '86 had an easy win in the 400-meter dash, and Teddy Bosey '88 managed to hold off a challenger in the final straightaway to come in second.

In the 500-meter run, Marc Light '88 had to overcome a strong challenge to win, and Charles Parrott '87 ran a strong race in taking third. Peters and Mike Donohue '87 finished first and second, respectively, in a tight 55-meter dash.

The Engineers swept the field in the 800-meter run. Sean Walker '89 took an early lead and held on. Robert Joy '87 took over second place in the middle of the race and stayed there, while An and Dighe '89 waited until the final lap to finish third.

A strong finish by a Polar Bear runner in the final lap of the 1000-meters deprived Kyle Robin-

son '89 of a victory. He managed to finish second, however, and Hinman hung tough to place third.

The Engineer's 3000-meter squad is the strongest that MIT has ever fielded, and its sweep ensured the MIT victory. Sean Kelley '89, although trailing the pack for part of the race, out-duelled teammate Bill Mallet '86 to win. Turan Erdogan '87, who led during the early part of the race, also broke the nine minute barrier, finishing third.

MIT had little difficulty in taking both relays. Although the 4x400-meter relay of Donohue, Bosey, Parrott and Lin fell behind early, Bosey had a strong leg in turning a 10-meter deficit into a 5-meter lead, and the Engineers never looked back in winning by 60 meters. The 4x800-meter relay of Dighe, Sam Peretz '89, Robinson and Walker ran uncontested in setting a freshman record with 8:23.01.

Head coach Gordon Kelly was pleased with the team's rise to the occasion. Initially, Kelly didn't give the Engineers a high chance for victory due to several key in-

juries. MIT closes out its indoor dual-meet season Friday at home with a tri-meet against Division II Bentley and Division III University of Massachusetts-Boston before travelling to Bates on Feb. 21-22 for the New England Division III Championships.

(Editor's note: Kim is manager of the track team.)

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sports

Basketball defeats Emerson

(Continued from page 16)

kept their offense away from the looming Mihura. The Lions kept the margin at six for four minutes.

MIT made two consecutive shots to open up the lead to ten. The Lions called a timeout following an inside shot by McElroy. McElroy, however, continued to feed on the Lions with two consecutive three-point plays. He

was six of six from the foul line on the night, extending his free throw shooting streak to 57 of 59.

No basketball game is complete without a slam dunk. MIT's jam man was McElroy off a Mihura-block-inspired fast break. It was off to the races and MIT led, 63-49.

Mihura got one more block for good luck, McElroy completed a

32-point game, tying his career best, Casagrande played beyond his years, and Nelson contributed. All in all, the four Engineers were in double figures. Balance and teamwork is especially noticeable in that 22 out of 37 Tech baskets were off assists.

Saturday's win ends a four game losing streak for the Engineers. They take their 6-14 record into a home game against Worcester Polytechnic Feb. 13.

Gymnasts overcome Lowell

By Mark S. Abinante and Carl Weiner

The undefeated men's gymnastics team continued its winning streak last Saturday with a 199.45 to 191.85 victory against visiting Lowell University. This is the first time in twelve years that MIT (7-0) has beaten Lowell in gymnastics.

The MIT gymnasts took an early 3.5 point lead over Lowell after floor exercises due to excellent performances by Alan Nash '89, Jeff Mann '86, and team co-captain Brian Hirano '87. A flawless double-back somersault on the floor helped Hirano receive the highest score of the meet for that event.

The Lowell team tumbled back to gain a one-point lead over

MIT through strong showings on pommel horse and rings, including an exceptional horse routine by Lowell's Ralph Divito and a high-scoring rings routine by Barry Sutter.

The fired-up MIT gymnasts were not ready to give up the meet, and managed to remain very close on these two events by consistent, well-executed routines. Mann, Hirano, and co-captain Rick Campione G performed crowd-pleasing giant swings on the rings while Eric Reifsnider '89, who was back in action after recovering from a January injury, executed a fine pommel horse set.

The Engineers then dominated the second half of the meet, gaining points during vaulting, parallel bars, and high bar. Hirano

once again thrilled the audience in DuPont with his piked Tsukahara vault, executing a half-turn onto the vaulting horse and a back somersault off his hands to a one-step landing on the mats.

The MIT gymnasts posted their highest gain from the high bar due to daring routines by Campione, Hirano and Steve Betz '89. Campione nailed his double back dismount at the end of a very clean performance while Betz demonstrated difficult "eagle" giants. Hirano threw a high double-back dismount over the bar to wrap up the meet for Tech.

In an emotional scene after the meet, celebrating the end of the 12-year jinx, Coach Fran Molesso praised the team for its fine performance. They did it by "pulling together as a team," the teary-eyed coach said. The MIT men's team will have one more meet at University of Massachusetts at Amherst before the New England Championships on March 2.

(Editor's note: Carl Weiner '87 is a member of the men's varsity gymnastics team.)



Tech photo by Kyle G. Peltonen
Biz Williamson '86 takes a shot Saturday against Connecticut College.

Women gymnasts upset

By Madeleine Biber

The MIT women's gymnastics team placed third in a tournament Saturday with Salem State and Albany State, at Salem. MIT went into the meet with a record of 5-1.

Salem scored 155.70 to capture the meet. Albany followed with 141.45 points and MIT managed only 122.85 points.

Catherine Rocchio '89 performed a handspring full vault to earn the third highest score in that event. She also came in third on the beam where she had a very solid routine with no falls.

Evie Vance '86 had a clean bar routine for a 6.8 while her floor routine earned her a 7.0. Hillary Thompson '87 performed a graceful floor routine for a 7.3. Grace Tan '86 did well on bars, and "hit" all her moves. Paula Aquino '89 performed nicely on floor as well as vault.

The team's next competition will be at home on Saturday, Feb. 15. It will start at 2 pm in the DuPont gymnasium.

(Editor's note: Biber is co-captain of the women's gymnastics team.)

Soccer star named to all-America team

Jeri Ikeda '87 has been named to the Adidas Intercollegiate Soccer Association Women's Academic All America Team. Ikeda is the only New England player selected for the first team. She had a team high six goals and five

assists to lead MIT women's soccer to a 7-7 record in their first season of varsity competition. Her GPA is 4.5, and she is majoring in Materials Science and Engineering.

Alison C. Morgan

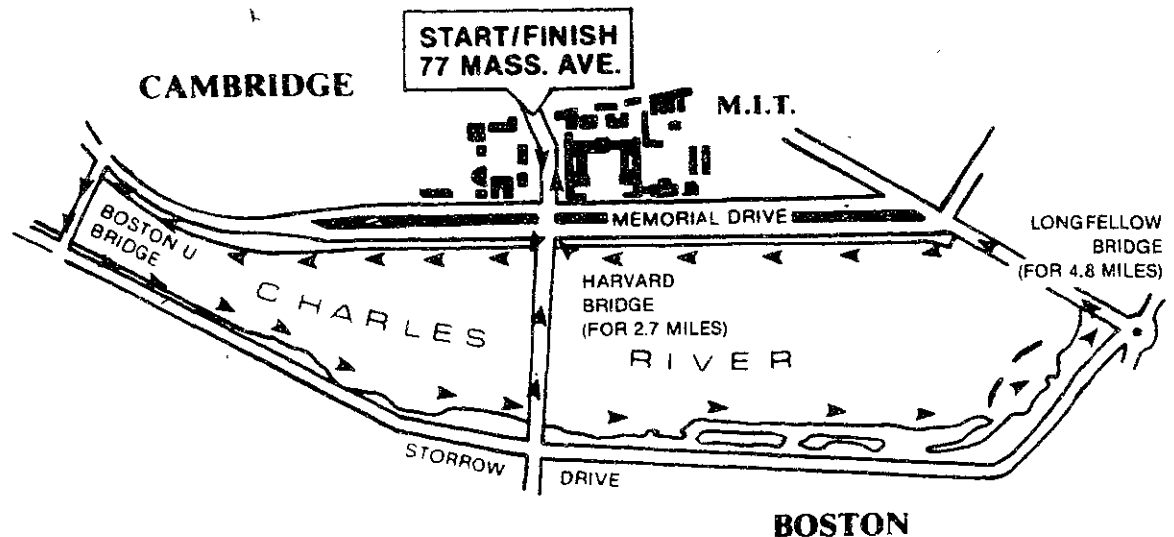
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sports

Mihura leads b-ball victory

By Alison C. Morgan

The MIT men's basketball team embarrassed Emerson College 87-61 Saturday afternoon at Rockwell Cage in a contest that had more than a few shadings of professional basketball. The Emerson Lions resembled the Los Angeles Lakers in their yellow and purple warmup suits, but were unable to play up to the standards of their colors. Tech's Bruce Mihura '88 played a Manute Bol role with eight blocked shots, his career high.

Mihura snuffed Emerson twice during the first three minutes of the game. The Lions stayed composed, tying the game 4-4. Randy

Nelson '86 then diverted the defense, allowing Mihura to put the Engineers ahead for good. Nelson had a hand in each of Tech's first four scores.

MIT 1000-point scorer Mike McElroy '87 turned on his game while Mihura was busy being the Big Man. McElroy converted twice off deft passes from his Tech teammates to make the score 16-5, MIT.

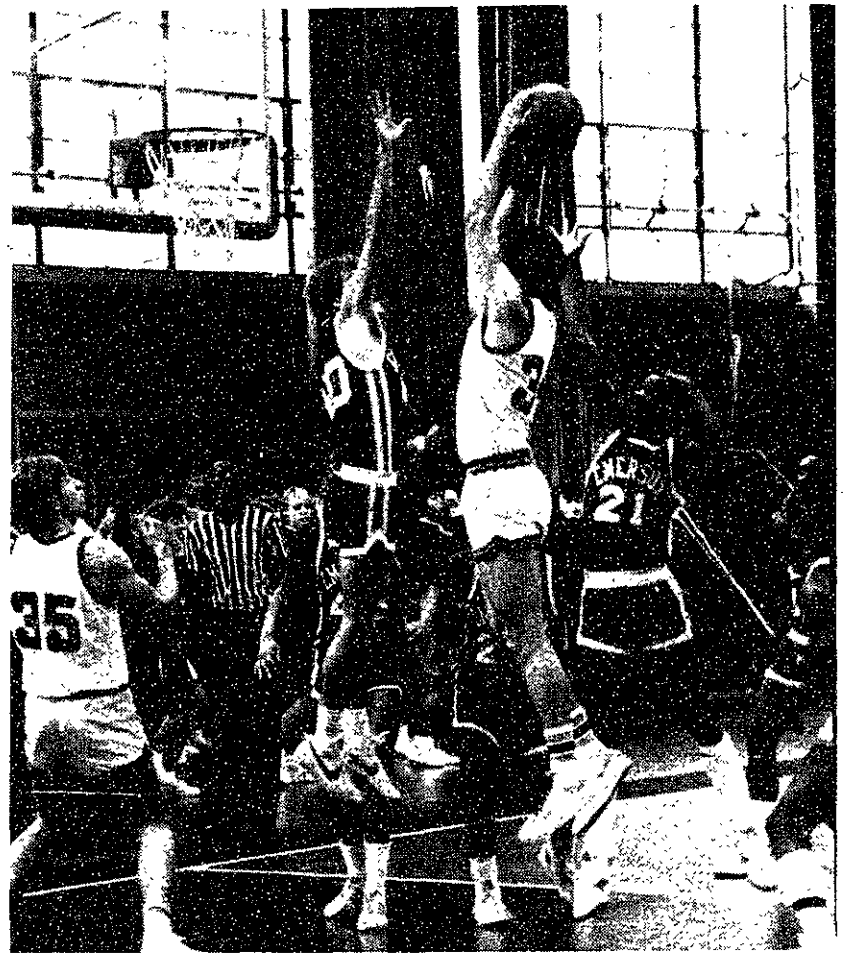
Emerson's fear of a Mihura block was evident. The Lion's Rayon Thomas had the first of three walks off a shot hesitation. Coach Fran O'Brien noted that Mihura was "a big factor" and

that "Emerson didn't shoot that well."

The Lions roared back to narrow the gap to two, 24-22, with five minutes remaining in the half. Mihura converted, but Emerson responded with a three-point play off a scoop shot.

Mike Casagrande '89 spun one in and out and in to open it to 29-25. Casagrande scored twelve points without starting. "Casagrande, Doug Cornwall '89 and Dave Evans '88 came off the bench strong," O'Brien said.

Mihura blocked two of the Lions' first three shots of the second half. Emerson College then
(Please turn to page 15)



Tech photo by Dan O' Day
Bruce Mihura '87 attempting a basket during Saturday's game against Emerson College. MIT won the game, 87-61.

Volleyball takes WIT, UNH

By Mike Ressler

The men's volleyball team journeyed across the Charles River to defeat the Wentworth Institute of Technology (WIT) and the University of New Hampshire (UNH) in two New England Collegiate Volleyball League (NECVL) games Saturday at Wentworth.

MIT defeated WIT, 15-1, 11-15, 15-7, 15-4 in the opening match and swept UNH 15-0, 15-7, 15-10 in the second game.

MIT's middle attack was dominant throughout the afternoon as middle hitters Paul Stuopsis '87 and Eric Daly '87 powered the team in both victories.

Stuopsis played a key role in games one and four against WIT, blocking out opposing hitters and scoring on several decisive hits of his own. A jump serve by Young

Soo Ha G, who totaled 20 service aces for the day, was especially effective in the fourth game in which he tallied seven aces.

MIT lost its only game of the day against WIT, 11-15, when the Engineers' reserve players could not hold off Wentworth.

The stellar play of Daly and Ha shut down UNH in the first game of that match. Between Ha's serving and Daly's hitting, UNH could not get off the ground. MIT took the first game, 15-0, without having the team rotate completely around.

UNH regrouped and played better ball in games two and three, but MIT proved to be too powerful and took the match.

The Engineers challenge the Harvard Crimson tonight at 8 pm in MIT's home opener in Rockwell Cage. The 1986 season

is MIT's first as a National Collegiate Athletic Association (NCAA) team, and tonight's game represents MIT's first meeting with Harvard as an NCAA team.

(Editor's note: Mike Ressler '86 is a member of the men's varsity volleyball team.)

Men's track exults in win over Polar Bears

By Christopher Y. Kim

The men's indoor track team raised its season record to 7-1 with a resounding 86-50 victory over the Bowdoin Polar Bears Saturday at the Athletic Center.

Scott Deering '89 led the weightmen effort, as he was edged out by 1/4" in the last round to finish second in the 35-pound weight throw. Mike O'Leary '87 finished third in with a 41' 11 1/2" effort. Deering had his revenge shortly thereafter when he captured the shot put.

Joe Peters '88 lost in the final round of the long jump, coming in second with. Sean Schubert '88 managed to take third in the triple jump.

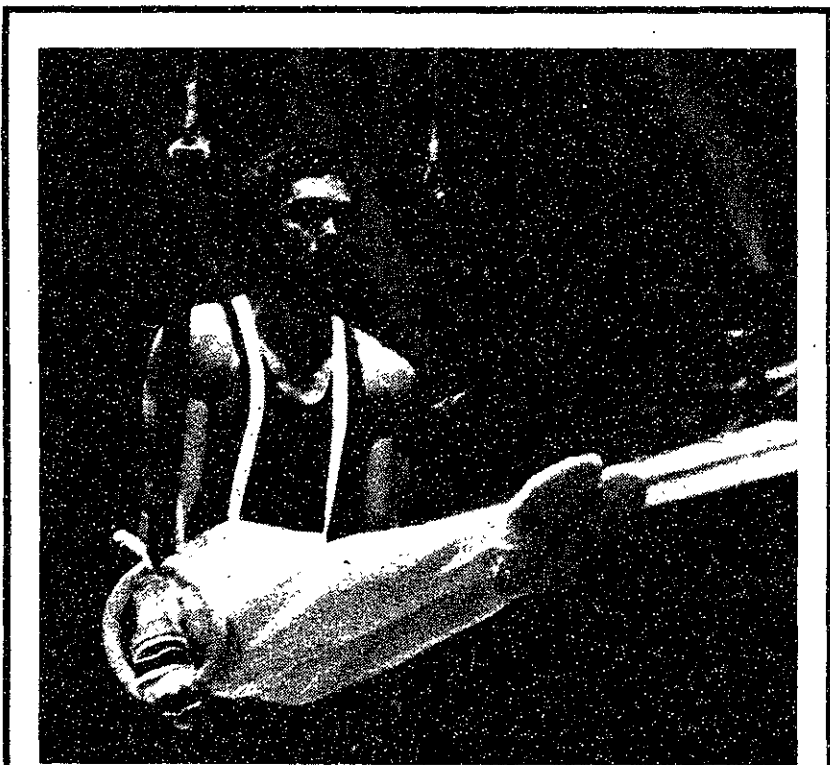
MIT fared better in the re-

maining field events, as Glenn Hopkins '87 easily took the high jump. The pole vaulters have not lost yet this season, and this time it was Bobb White '87 who was victorious. Teammate Scott Baird '87 came in third.

The Polar Bears took the first two running events, as injuries sidelined two of the Engineers' top runners Gordon Holterman '87 and Sean Garrett '88.

The other MIT runners more than made up for the loss. In the 1500-meter run, Rod Hinman '88 had a very strong race but was overtaken in the last lap and had to settle for second, followed by Anton Briefer '89 in third. The 55-meter high hurdles produced

(Please turn to page 14)



Tech photo by Mark S. Abinante
Rick Campione G performs on the rings during Saturday's gymnastics meet vs. Lowell. MIT defeated Lowell for the first time in 12 years. See story page 15.

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5. Avoid, at all costs, letting him see you reapply your lipstick.
6. Order something more exotic than a white wine spritzer.
7. Compliment him on his taste in colors, even if he arrives in jeans and a T-shirt.
8. Tell him you'd ask him up for a Suisse Mocha, but you only do that on second dates.



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