

Student interest in activities declining

By Craig Jungwirth

Some campus organizations have experienced a decrease in student participation this year, while student involvement in others has remained stable.

There has been a trend toward lower participation in student activities over the past few years. "It seems to me that students are spending less time actively pursuing activities," Peggy Richardson, executive officer of the Undergraduate Academic Support Office, commented in October, 1983.

Last year, several student activity leaders attributed the drop in activity enrollment to increased academic and financial pressures. Undergraduate Association (UA) President David M. Libby '85 recently underscored the continued effect of pace and pressure, financial conditions and career considerations on students.

There has been "some change over approximately fifteen years in student participation," said Andrew Eisenmann '75, staff assistant for Residence and Campus Activities. The decrease in student participation was inevitable, Eisenmann said, "probably because of more pressures — academic, financial, and career-wise — . . . which are national concerns reflected here at MIT."

Nick Panayotopoulos '85, president of the Association of Student Activities, said there were "no means of directly comparing numbers of students in activities," but that "indirectly, [at least a dozen] activities have failed to report their existence."

In recent years, MIT student government has had severe problems getting its representatives to be more deeply involved. Last term, it made a move to correct these problems.

MIT undergraduates approved a binding referendum last March to transform the UA General Assembly into the UA Council, a body with fewer representatives. "We'd like to see more people

show up at meetings. That was sort of the idea of shrinking the size" of the Undergraduate Association's legislative body, UA Vice President Stephanie L. Scheidler '85 said last term. Participation in the UA this year has so far remained stable or decreased slightly, Libby said. One member of the UA Council has just resigned due to the rise in the self-help level, the amount a student must earn during the academic year, he noted.

Libby explained that the increased academic load on students is characterized "not necessarily [by] more problem sets, but [by] more material to comprehend."

"It's easy to get people on the Lecture Series Committee (LSC)," said Timothy Huckelbery '84, chairman of LSC, "but it's difficult to get people to devote hours to positions of responsibility." Huckelbery added, "It's always a problem. I don't see it improving."

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Tech photo by P. Paul Hsu

Professor Donald R. Sadoway, Course III undergraduate chairman.

New Course III program attracts more students

By Mathews M. Cheria

Second in a series examining alternative programs to Course VI.

The new electronic materials option offered by the Department of Materials Science and Engineering (Course III) is not meant to serve as an alternative to the overcrowded Department of Electrical Engineering and Computer Science (EECS), according to Associate Professor Donald R. Sadoway, undergraduate chairman of Course III.

The department began offering the option two years ago as part of a wholesale revision of the undergraduate curriculum. Under the new plan, students must concentrate in one of four options — ceramics, electronic materials, metallurgy, and polymers — after completing the required core subjects.

The materials science department began considering changes in its curriculum three years ago, Sadoway said. This period of revision followed a decade of no change in the curriculum. "We wanted to address the major changes" that were taking place in material science, he commented.

Much discussion determined the "philosophy of the department," Sadoway said. The department decided to try to keep abreast of all the changes in the field while maintaining the breadth and depth of the curriculum.

The addition of the electronic materials option and a group of new undergraduate materials science courses were among the biggest changes to come out of the meetings, Sadoway said.

The impetus to add an electronics option to the curriculum came from within the department, and was totally unrelated to the EECS overcrowding problem. In recent years, electronics had become so important in material sciences that the department felt compelled to include it in the curriculum, he explained.

"Coincidentally one year into planning, the EECS problem arose," Sadoway said. "We were well on our way before the enrollment problem."

The department does not favor any one option, he said. All of four options have three basic phases: a materials science component, a processing component, and a laboratory component.

Students are almost evenly distributed among all four options. There does not appear to be any increased enrollment in the electronic materials option over the others, Sadoway said, noting a "general interest in materials" among the students.

Sophomore enrollment in the materials science and engineering department has increased from 30 to 50 in the past two years with the implementation of the new curriculum, and Sadoway expects further increases.

"Materials will be increasingly important," he said. "Every engineering endeavor eventually becomes material dependent" — the need for material scientists and engineers is inescapable.

Feature

All MIT students must serve jury duty if called

by Simon L. Garfinkel

MIT students are required to serve jury duty if they are so notified, according to Charles Winston, an officer in the Jury Pool Office in Suffolk County Superior Court.

Since Jan. 3, 1984, MIT students living in Suffolk County (Boston and Brookline) for more than six months may be called for jury duty. After receiving notification, a prospective juror may defer the responsibility for up to one year.

A similar law has been in effect in Middlesex County since late 1969. Cambridge is in Middlesex county, so every MIT living group is affected by one of the laws.

"We assume, by giving you a

year, you would elect a time when you are not having midterms or finals or anything like that," Winston said. Two alternative deferral dates must be given, he added.

MIT is required by law to release the names of residents of the dormitory system to the census commissioner of Middlesex County every year, Winston said. Fraternities are also required to submit the names of everybody living within the building, he added.

Associate Dean for Student Affairs Robert M. Randolph con-

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inside

The joy of victory, the agony of defeat, and the thrill of the 2.70 contest. **Page 2.**

* * * * *
Pride and Prejudice at Wellesley college. **Page 7.**

* * * * *
The Eighteenth Century comes to life. **Page 7.**

Erratum

The Nov. 16 news story on Project Athena ["Project Athena seeks more involvement from students"] stated there was only one student on Project Athena staff. There are over four dozen students on Project Athena staff.



Tech photo by Sidhu Banerjee

Patrick Peters '85 and an unidentified fireman compete in the 2.70 contest while an enthusiastic crowd looks on last Tuesday night in 26-100. See story and more photos, page 2.

Reporter's Notebook

Waller reaps top honors in 2.70 harvest

By Diana ben-Aaron

Brad Waller, a senior in physics from Woodland Hills, Ca., won the annual 2.70 single-elimination design contest last Tuesday night. The problem was to build a machine to "harvest" ping pong balls from a pile in the middle of a field, and Waller clinched his victory when his "Deathmobile" swept 87 ping-pong balls to its side to defeat David Cultice '86's "Love Tractor," which was only able to reap 75 balls.

"I expected to do well, but I didn't necessarily expect to win," the 6', 150-lb. Waller commented yesterday. "I first tested it Saturday and when I found it worked

who wrote *Animal House*," Waller explained. "Ramis said he got his inspiration from his fraternity house at Washington University of St. Louis, and his frat was Zeta Beta Tau. So a bunch of us at ZBT got Delta Tau Chi shirts earlier this year."

Most of the other contestant wore numbered t-shirts donated by TRW. "Those were new last year. We've found they help the flow of things," 2.70 professor Woodie Flowers, PhD '73, said.

Eleven other companies donated materials to the contest, Flowers said. "One reason companies donate is that then students hear about their company. Another is that



Tech photo by Diana ben-Aaron
A contestant assembles his machine in 2.70's Building 3 shop minutes before the first round of the contest Monday night.

out and gather balls," Woodie Flowers observed.

Half the students are eliminated in the first round the night before contest finals. The second through seventh rounds in this year's contest took just under two hours and "went very smoothly," Flowers commented. "The contest has been open to the public since 1971, the first year, but it took the public a while to decide it's something worth seeing," he said.

The 2.70 contest is now one of the biggest events of the Institute year, attracting more spectators than any sports event. Almost 1000 people crowded into 26-100, the largest lecture hall on campus, which seats fewer than 600. As one student said, "It would be interesting to do an anthropo-

logical study of why MIT goes wild over 2.70 and BC goes wild over Doug Flutie."

The contest is traditionally held just before Thanksgiving — "Thanksgiving is what you have right after the harvest," Flowers observed — and except for one lab meeting, the course is over after contest. "We try very hard to keep the course within the nine-unit load. Since it was impossible to reduce the intensity with which students go at the contest we decided to finish the course earlier," Flowers said.

Some machines will be on display throughout the year in the 2.70 display case outside 3-133. "[In arranging the display], there will be some allegiance to winners and some to interesting-looking things," Flowers said.



Tech photo by Diana ben-Aaron
Jennie Kwo '86 makes some last-minute repairs with the help of her pit crew, Yuki Kimura '86.

pretty well. I spent the next few days refining the design," Waller said. He had tried several concepts before coming up with the "one-way rake — it could move backward but not forward" that became the "Deathmobile." Cultice, a mechanical engineering major from White Plains, NY, came up with a similar design that substituted solid flaps for Waller's hinged rake.

Waller named his machine after the tank built by the Delta Tau Chi brothers in *Animal House* and wore a Delta Tau Chi shirt in the contest. "That idea came from a newspaper interview with Harold Ramis,

they can go to the contest, where they can see students who are good designers. I have never asked them if they are just enjoying themselves at the contest or if they are acting as scouts." In any case, they continue to donate, Flowers noted: "We have never lost a company."

For Flowers, this year's 2.70 contest began in July, when the course staff met to plan the design problem. "It gets bigger and more complicated every year," Flowers said. Until last year, the machines were expected to be completely self-contained; now the contestants control them with joysticks, prompting some watchers to wonder how much driving skills or video game experience had to do with the outcome.

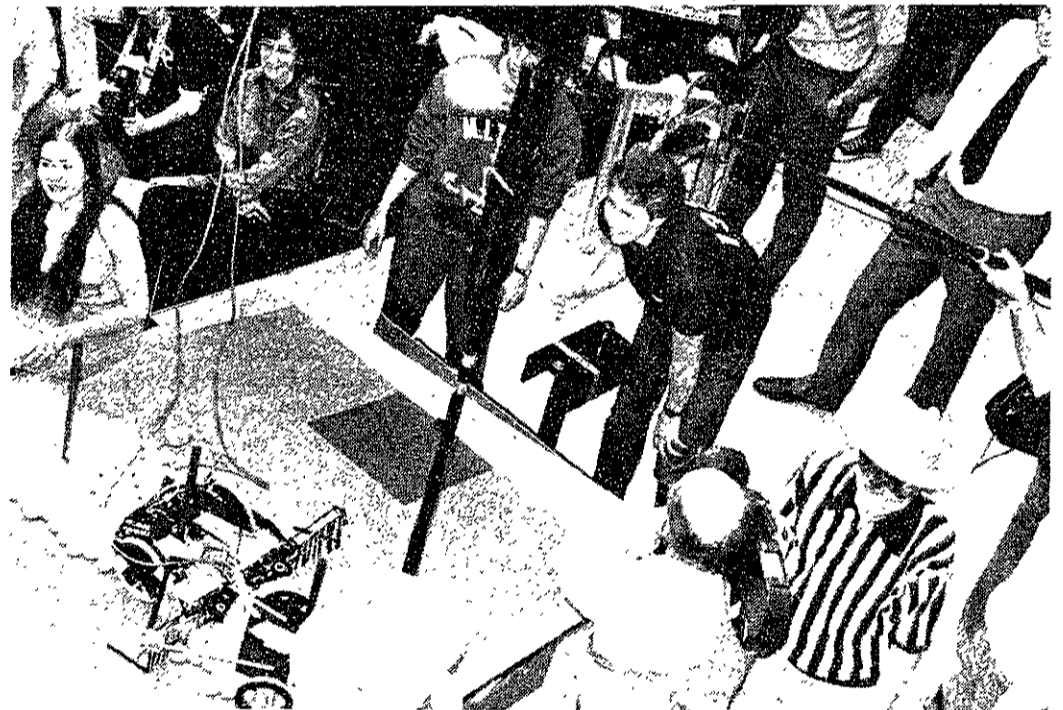
For the students, it began in early October when contest plans were announced and they picked up their unwieldy kits of 61 different materials, including motors, polarizing lenses, paper clips, and "one three-vane plastic thing" and started to try their hands at the design-construction cycle.

Not all the successful designs were tanks. Annabelle Kim '87 lasted until the quarter-finals with a small, maneuverable "spinner" with flaps that swept the balls toward her as it rotated. "Annabelle's first design didn't work and she just came up with that one Friday," one spectator said.

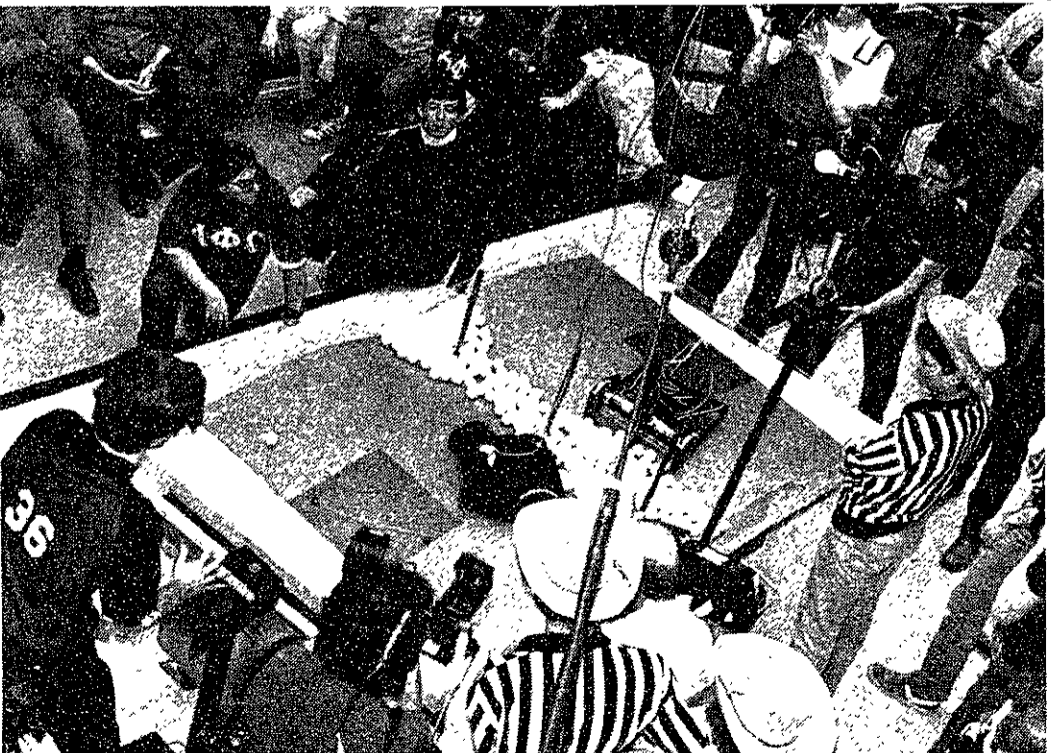
Ken Flowers '86, another quarter-finalist, constructed a machine with arms that swung apart in front of it, sweeping back waves of balls, and then brought them together for the next assault. "There were also things that sat there and tried to reach



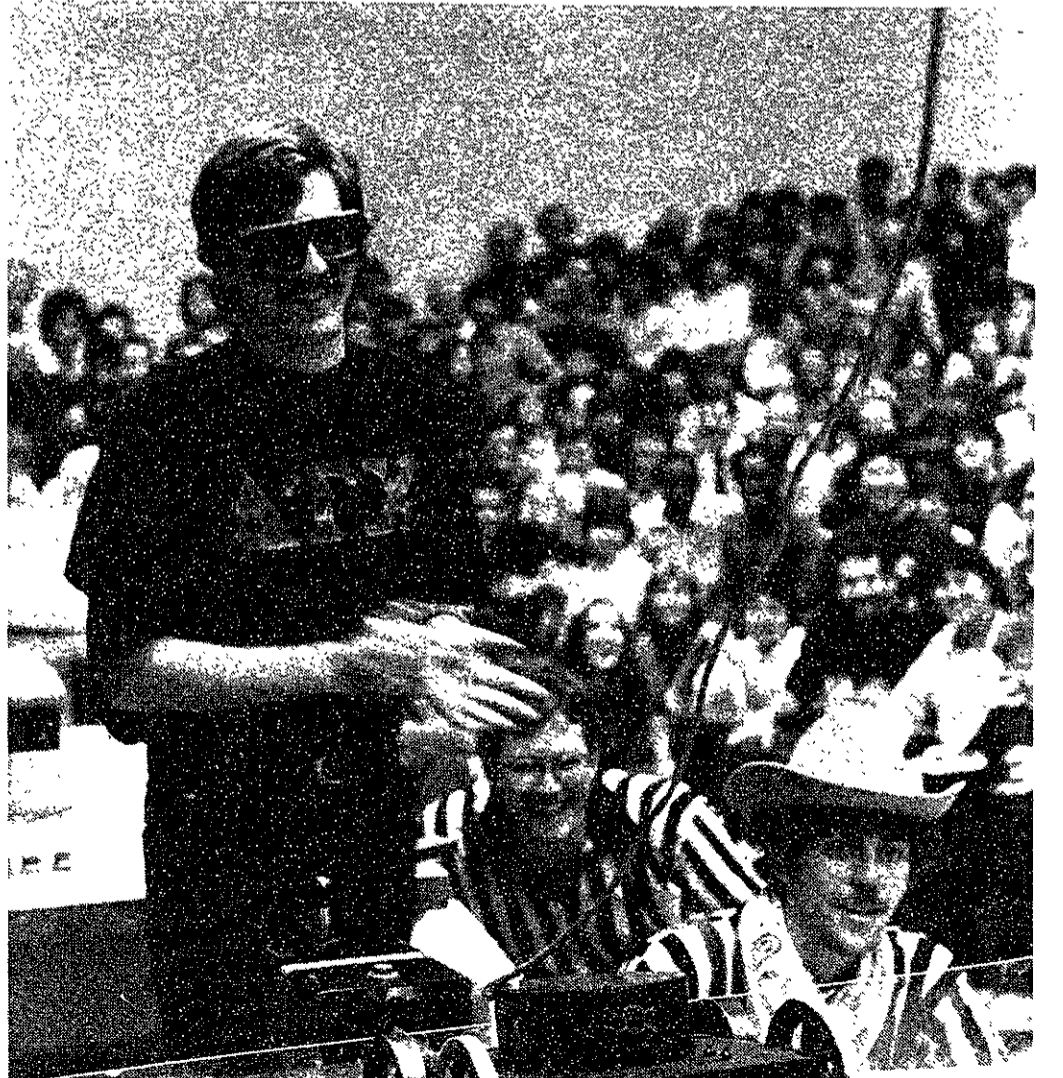
Tech photo by Diana ben-Aaron
2.70 professor Woodie Flowers.



Tech photo by Sidhu Banerjee
Megan Smith '86 watches as her machine locks together with her opponent's.



Tech photo by Sidhu Banerjee
Brad Waller '85 applauds his machine, "the Deathmobile," for a job well done. Brad and his machine went on to win the contest.



Tech photo by Sidhu Banerjee
Brad Waller '85 applauds his machine, "the Deathmobile," for a job well done. Brad and his machine went on to win the contest.

news roundup

World

United States to be flexible in arms-control talks — The United States is prepared to be "flexible and constructive" in arms-control talks with the Soviet Union, announced National Security Advisor Robert C. McFarlane Sunday. Secretary of State George P. Schultz PhD '49 will discuss grounds for possible compromise with Moscow in preliminary talks with Foreign Minister Andrei A. Gromyko in Geneva on Jan. 7-8.

Uruguay holds general elections — For the first time in 13 years, Uruguay held general elections Sunday. Of the 2.2 million electorate, about 630,000 voted for the first time. The principal blemish on the election was that the government had vetoed the first-choice candidate of two of the country's three parties. In an agreement signed earlier this month, all three parties pledged to work together after the election to consolidate democracy and rebuild the depressed economy.

Nation

US colleges weak on humanities — US colleges and Universities are failing to give students "an adequate education in the culture and civilization of which they are members," said a panel convened by the National Endowment for the Humanities yesterday. Committee Chairman William J. Bennett said in a 42-page report that the traditional liberal art curricula remain "dissolved" because of the pressures of specialization and marketing. Bennett said to remedy the problem students should be required to take a "core of common studies" about Western civilization, taught by the top faculty of each institution.

Farmers' median income low — The 1982 median income for farm families was \$18,756, compared with \$23,585 for nonfarm families, according to a survey prepared by the Census Bureau and the Agricultural Department. The survey also found that only 44 percent of those employed in agriculture lived on farms, compared to 63 percent in 1970 and 70 percent in 1960. The unemployment rate in the farm population was only 3.6 percent in 1983, compared to 10.2 percent for nonfarm families. The survey found the farm population to be holding steady at roughly one out of every 40 Americans between 1980 and 1983.

Local

57 percent of Harvard women sexually active — A Harvard University survey revealed last week that 57 percent of undergraduate women at Harvard consider themselves active in some form of sexual activity. The poll also stated that 53 percent have had intercourse at least once. 54 percent of undergraduate women — almost 1500 students — completed the survey.

Weather

Rain drops to fall — Indian summer continues today, with highs of 62-66. A storm moving our way will bring rain by the middle of the week.

Ellen L. Spero

Computer science and engineering grads

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COMING TO MIT

November 28th and 29th



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Vitesse Electronics Corp., a newly formed, rapidly expanding electronics firm, will be designing and building computer systems which incorporate both silicon and gallium arsenide integrated circuit components.

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If this interests you, I invite you to attend our Company Presentation on Wednesday, November 28th from 7:00 to 9:00 pm in Building 4, Room 149. Come by and enjoy some light refreshment and learn more about Vitesse. In addition, please register to interview on Thursday, November 29th with a Vitesse representative.

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opinion

feedback

Track should be open to entire community

Editor's note: The Tech received a copy of this letter sent to Lynn M. Radlauer '81, class agent of the MIT Alumni Association.

Dear Ms. Radlauer:

I do not intend to donate any money to the Alumni Association until MIT discontinues the obnoxious practice of barricading the first two lanes of the outdoor track, thereby preventing any but track team members from using the track for training purposes.

Lifespan of the rubber track is not significantly decreased by running on it in rubber-soled

shoes. Running in spikes (mainly by the track team) is probably the primary source of wear and tear. Is the real issue, then, the paint? I first noticed the barriers after a new paint job. Is MIT so cheap that it can't repaint the track every few years? If so, won't the track have to be painted anyway when the outside lanes need it?

This practice of blocking the track shows insensitivity to students, alumni, faculty and community. Please do not send me any more solicitations unless the situation is remedied.

Stephen P. Linder '80



The Tech

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feedback

Responds to former dean on Fassett willow sacrifice

To the Editor:

I am writing in response to a letter to the editor from Kenneth C. Browning '66 ["Former Dean corrects reference to Fassett garden," November 16] criticizing a remark I made concerning the Julie Fassett Garden in a previous letter to *The Tech* ["Outraged by Alley tree devastation," September 25]. In my original letter, I suggested that the decision to sacrifice two weeping willow trees to the new roadway of Amherst Alley rather than move the garden was in part prompted by the Institute's concern for "Ms. Fassett's memory and Dean Fassett's money."

I agree with Dean Browning that my choice of words was inappropriate. I neither meant to defile the memory of Ms. Fassett, nor was I using the Fassetts as "scapegoats," as Browning suggests. I do apologize for the mis-

understanding I caused.

While I regret the words I used, I continue to stand behind my assertion that relocating the garden would have been more sensible than murdering the weeping willows. The effort Browning and his associates put into the creation of a symbol of

their respect for Ms. Fassett would not have gone for naught had the garden been moved. But the generosity and foresight of the Class of 1950, who planted the willows as their class gift, has been forever forsaken.

Jon D. Morrow '85

Editorials, marked as such and printed in a distinctive format, are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of the chairman, editor in chief, managing editor, executive editor, news editors, and opinion editors.

Columns and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

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.



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notices

Listings

Student activities, administrative offices, academic departments, and other groups — both on and off the MIT campus — can list meetings, activities, and other announcements in *The Tech's* "Notes" section. Send items of interest (typed and double spaced) via Institute mail to "News Notes, *The Tech*, room W20-483," or via US mail to "News Notes, *The Tech*, PO Box 29, MIT Branch, Cambridge, MA 02139." Notes run on a space-available basis only; priority is given to official Institute announcements and MIT student activities. *The Tech* reserves the right to edit all listings, and makes no endorsement of groups or activities listed.

Tuesday, Nov. 27

A career workshop entitled "Starting Your Own Consulting Business", will be held from 7:30-9:30 pm at the Jewish Vocational Service. Fee: \$15. To pre-register, contact Meryl Glatt 723-2846 or Emily Kirshen 965-7940.

Mr. John Washill, director of McKinsey & Co., will speak at the John F. Kennedy School of Government on "The Energy Industry — Dealing With an Uncertain Future" at 4 pm in Starr Auditorium. Sponsored by the Energy and Environmental Policy Center.

Wednesday, Nov. 28

Through hypnosis, relaxation techniques, and the use of new Nicorette gum, Beth Israel Hospital's Quit Smoking Program helps participants master the art of controlling the urge. New group starts today. Call 735-4767 for more information.

A seminar entitled "Careers in Publishing and Print Media", sponsored by the Jewish Vocational Service, will be held from 7:30-9:30 pm at Gosman Jewish Community Campus, 333 Nahanton Street, Newton Centre. Admission is \$5. For more information, contact Gail Liebhaber at 965-7940.

Professor James A. McCloskey, Dept of Medicinal Chemistry and Biochemistry, University of Utah, will speak on "Techniques based on Mass Spectrometry and Chromatography for Analysis of Nucleic Acid Constituents." The seminar will be held at 4:15 pm, Room 220, Mugar Hall, Northeastern University.

classified advertising

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"Autobiography: Revealer of Self and Society?" is the theme of this week's Cambridge Forum with Harvard Professor, Jerome Hamilton Buckley, author of the *The Turning Key*. 8 pm, 3 Church Street, Harvard Square. Free.

Thursday, Nov. 29

A seminar entitled "Media Diplomacy", sponsored by the Research Program on Communications Policy, will be held from 4-6 pm in the Marlar Lounge, Room 37-252, 70 Vassar St., Cambridge. Speakers will be Dan Mica, Chairman, House Subcommittee on International Operations; Michael Schneider, U.S. Information Agency; and Hewson Ryan, Director, Murrow Center of Public Diplomacy, Tufts University. Open to the public.

Professor James A. McCloskey, Dept. of Medicinal Chemistry and Biochemistry, University of Utah, will speak on "The Structure Elucidation of New Naturally Modified Nucleosides: Dietary Factor of Transfer DNA." The seminar will be held at 4:15 pm, Hurtig Hall, Northeastern University.

Announcements

Registration Material for the second term will be available for all regular students in Lobby 10 on Monday, Dec. 3 and Tuesday, Dec. 4.

All Graduate Students: The Graduate Student Council (GSC) is proposing a change in the way it is represented by graduate student in departments, living groups and minorities. Voting for all graduate students will take place Friday, Dec. 7, and Monday, Dec. 10 from 1-4 pm in Lobby 10. Written ballots will also be accepted from now until Dec. 10 in the GSC Office (50-222, x2195). Ballots and details on the proposed changes are posted and will be available in your department headquarters, some living groups, Lobby 7, and at the GSC Office.

Rune 10, the 1985 edition of the Journal of Literature and Art at MIT, would like your submission of prose, poetry, and art/photography. Please mail or deliver all submissions to Rune 14E-310 by February 10, 1985.

The National Research Council plans to award approximately 35 Postdoctoral Fellowships for Minorities in a program designed to provide opportunities for continued education and experience in research for American Indians and Alaskan Natives, Black Americans, Mexican Americans/Chicanos, and Puerto Ricans. Awards will be made in the behavioral and social sciences, humanities, engineering, mathemat-

ics, physical sciences, and biological sciences, and for interdisciplinary programs comprised of two or more eligible disciplines. Deadline for submission is January 16, 1985. All inquiries concerning application materials and program administration should be addressed to the Fellowship Office, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418.

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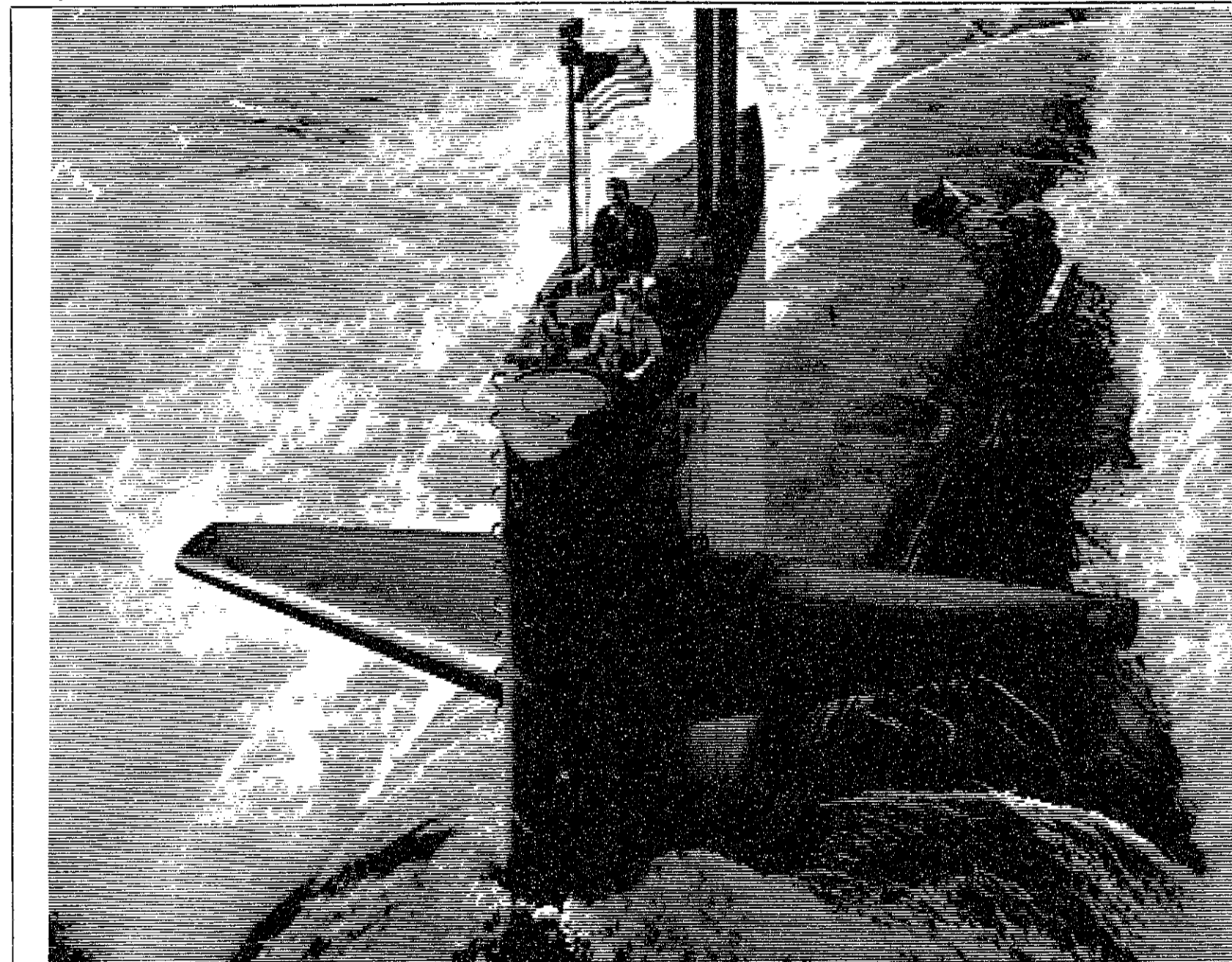
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notices

The **Christian Science Monitor** is sponsoring an **essay contest** challenging its readers to come up with possible scenarios that could lead to world peace in the next 25 years. Students and faculty at colleges and universities around the country are also invited to participate. Participants might consider such factors as economic conditions, the role of moral leadership and world armaments. Essays will be judged on the feasibility of the ideas they contain and will be expected to show a knowledge of the framework of international relations in the world today and the process by which those relations are bettered. Entries of not more than 3,000 words in English, French, German, or Spanish will be accepted. The best three will be printed in The Christian Science Monitor. Entries should be postmarked not later than December 31, 1984 and sent to **PEACE CONTEST**, The Christian Science Monitor, One Norway Street, Boston, MA 02115.

The **National Research Council** announces the **1985 Postdoctoral, Resident, and Cooperative Research Associateship Programs** for research in the sciences and engineering to be conducted in behalf of 21 federal agencies or research institutions. Approximately 250 full-time associateships will be awarded on a competitive basis for research in chemistry, engineering, and mathematics, and in the earth, environmental, physical, space, and life sciences. Most of the programs are open to both US and non-US nationals, and to both recent Ph.D. holders and senior investigators. Awards are made for one or two years with stipends beginning at \$23,350 a year for Ph.D.'s and an individual determination for senior associates. Postmark deadline must be no later than January 15, 1985. Information on specific research opportunities and federal laboratories, as well as application materials, may be obtained from Associateship Programs, Office of Scientific and Engineering Personnel, JH 608-D3, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418, (202) 334-2760.

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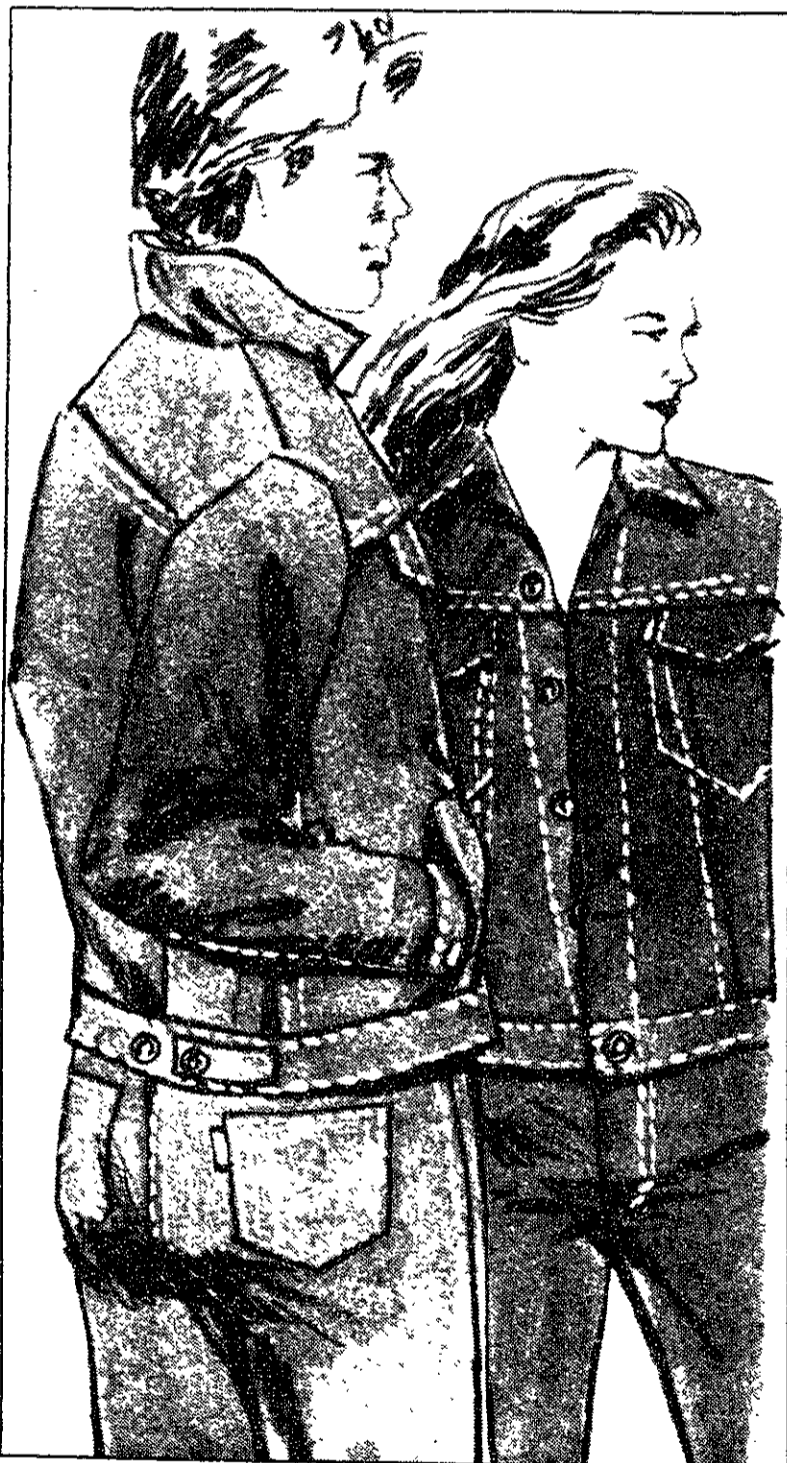
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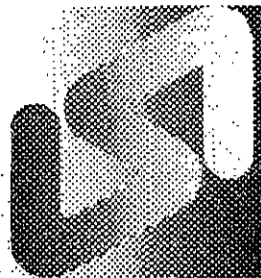
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International Employment Directory 1984

Participation in activities on the decline

(Continued from page 1)

Alpha Phi Omega (APO), a campus service organization, has noticed "overall somewhat of a decrease in participation . . . which is a continuing trend over the years," said Michael Druding '85, president of APO. "A heavy emphasis on academics, finally" has curtailed student involvement, Druding added.

Druding predicts an upswing soon. "I look for an increase in the next few years," he said.

Student Center Committee (SCC) Chairman James S. Person III '86 said, "I have noticed a decrease in student participation in SCC . . . due to greater student involvement in other activities and academic and financial pressures."

SCC has taken steps to combat the problem, however. The group changed its constitution and restructured itself in March, 1984, to "create an environment for better involvement," Person said. "[SCC] is very rewarding, but very frustrating," because training new committee members quickly becomes repetitive, he added.

Not all groups have experienced a decrease in participation, however. "Participation has definitely gone up," said Carl Manning '85, president of the MIT Concert Band. Manning also noted that "people already dedicated musically" come to MIT "and they find that the MIT Concert Band fills [their] need to be involved in a musical group."

"[Dramashop] has many more people than it can deal with. It is frustrating," commented Anna Lisa Fear '85, president of MIT Dramashop. The membership is limited by available resources — "we're frustrated by the lack of facilities and money," she said.

"We've always had good participation," she continued. "We seem to have a great number of women, more than ever. We've made an effort to get shows which have more women in them."

"The Tech has attracted more new people this year than in previous years, but that was probably because we had a particularly strong recruitment campaign," observed Martin Dickau '85, chairman of *The Tech*.

"The number of new staff members is about the same as it has always been," he added.

MIT students must serve jury duty

(Continued from page 1)

firmed that MIT releases the names of dormitory residents to the census commissioner. "Since the laws were changed to allow students to vote, some tradeoff had to be made," Randolph said.

MIT also publishes a student directory and a staff directory. Although both of these are for internal use only, outside parties often get hold of them. "That's why a lot of people choose not to be in [them]," Randolph explained.

If a student is called for jury duty, he should request a deferral until a time he can conveniently serve, such as IAP or the summer. Students who ignore jury summons risk being called by the county a year later, without the privilege of postponing service, Randolph said.

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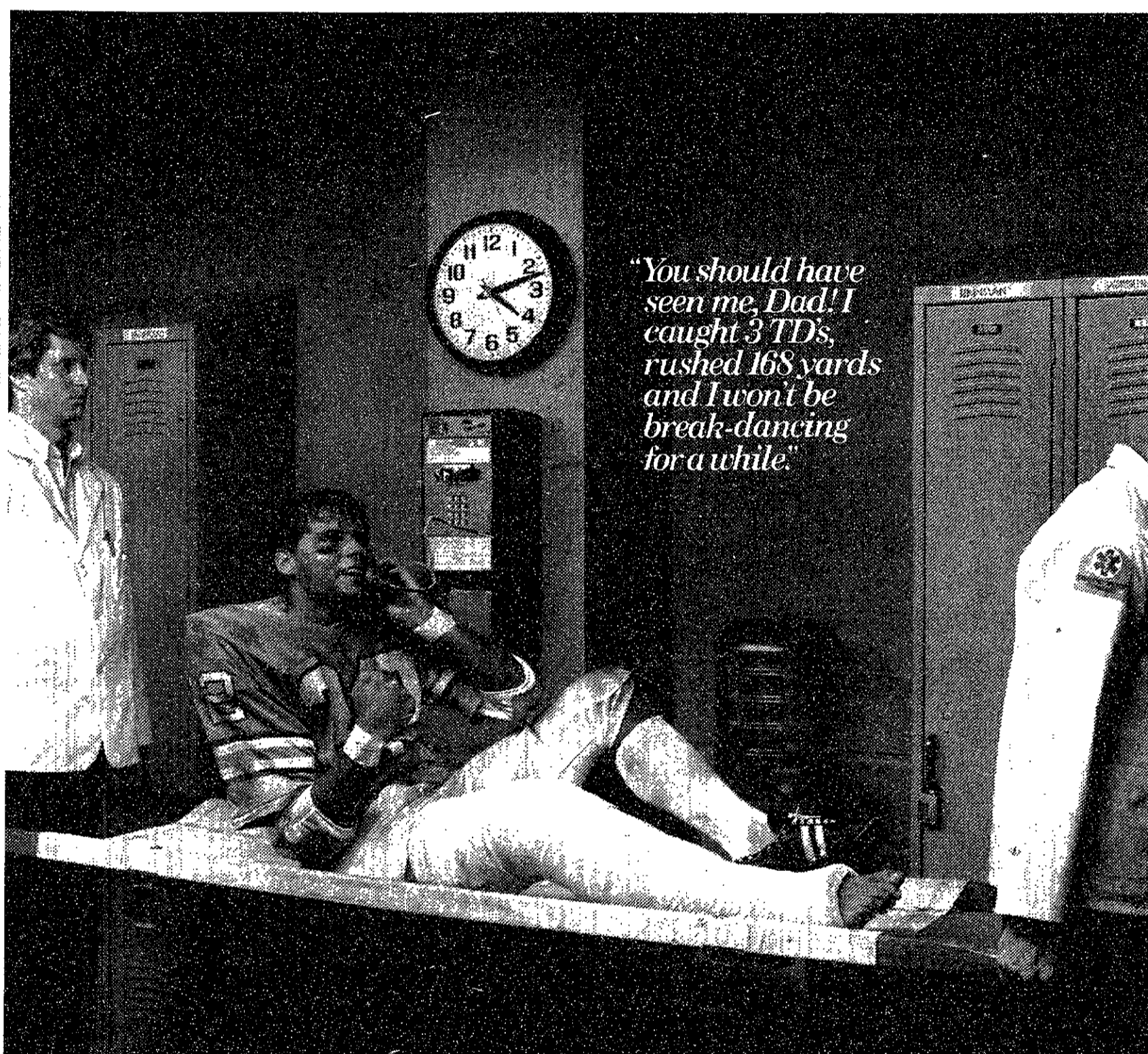
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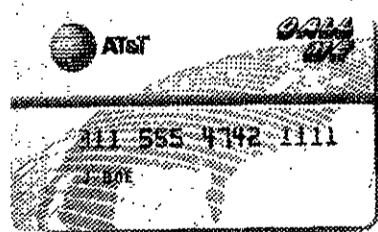
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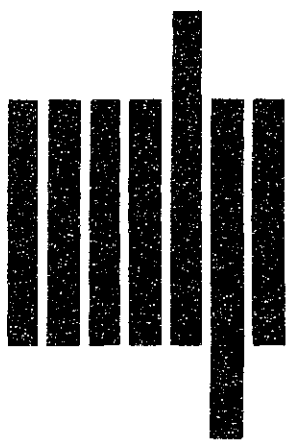
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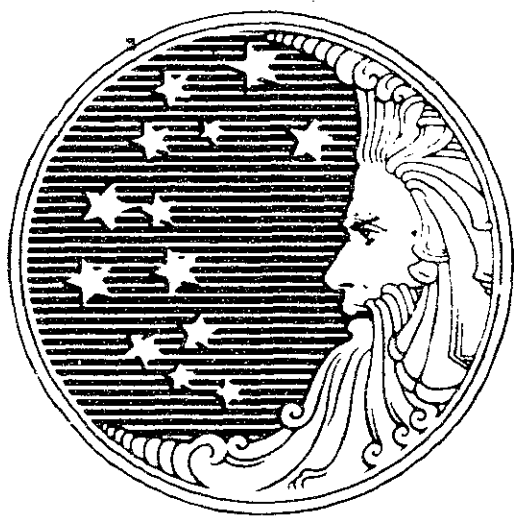
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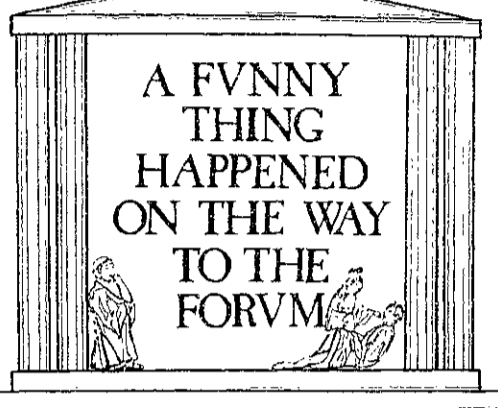


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sports

Men's hoop starts new season at 1-2

By Paul Paternoster

The men's basketball team opened its season with mixed success, dropping its home opener to the Babson College Beavers Tuesday night and finishing second in the UMass-Boston Harbor Invitational Tournament last weekend.

The Engineers lost their season opener to Babson before a crowd of about 150 people in Rockwell Cage. The hosts fell, 77-56, in a game dictated by loose balls and points off second shots.

MIT opened the game with its traditional fast-moving offense. Craig Poole '86 tallied 13 of MIT's first 17 points, enabling his team to open up an eight-point lead early in the first half.

Things quickly began to go wrong for the Engineers after that brief spurt of points. "Babson was able to pick up a lot of loose balls in the first half and convert them into points," said MIT coach Fran O'Brien.

The Beavers' domination of the boards enabled them to "score a lot of points off second shots," O'Brien added. By the half, MIT trailed, 37-30.

The Engineers narrowed the gap to three points at one juncture in the second half, but a mishandled pass turned the team's luck around. Babson scored seven straight and never relinquished its lead.

Foul trouble did not help MIT's chances, either, as the team's three leading rebounders, Mike McElroy '87 (7 points, 7 rebounds), Bud Taddiken '85 (6 points, 5 rebounds), and Charlie Theuer '85 (3 points, 5 rebounds) fouled out of the game in the second half.

With McElroy and Taddiken out, O'Brien kept Poole in for the last eight minutes. The tired Poole finished with a game-high 25 points, shooting 9 for 19 from the floor.

The Beavers rotated their players a lot, making many substitutions and pressing the fatigued Engineers.

"All teams will try to press us this year," the coach said. "A key factor this season will be how well we develop our bench."

Evan Pratt '87 played a strong game off the bench, scoring 9 points, grabbing 5 rebounds, and providing good defense.

Jim Egan '86 established himself as a leader on the court. The 5'7" guard runs MIT's offense. "He's like an assistant coach on the floor," O'Brien said.

The unselfish MIT co-captain led the team with seven assists in the Babson game, but Egan may be too unselfish. He only took two shots throughout the game, and Babson began to back away from Egan in the second half.

Egan can shoot. He sinks shot after shot in practice, and O'Brien hopes that he will shoot more during the games.

O'Brien was pleased with the Engineers' effort. The main task for the squad now is to "convert offensive opportunities into two points."

The Engineers did exactly that Friday, scoring the most points since they racked up 99 against Connecticut College in the final game of the 1979-80 season, crushing Worcester State, 91-75, in the opening round of the Harbor Invitational.

Poole led the four MIT players in double figures with 24 points. McElroy followed with 23 points and a game-high 12 rebounds, shooting 9 for 11 from the floor. Randy Nelson '86 chipped in with a career-high 19 points, and Taddiken had 12.

The Engineers lost to host UMass-Boston, 96-61, Saturday's final and finished second in the tournament.

MIT will visit Brandeis tomorrow, and on Friday the team will travel to St. Louis for the Lopata Classic hosted by Washington University. Johns Hopkins and Caltech will also participate in that tournament.

The Engineers' next home game is Dec. 8 at 2 pm against New England College.

Men's hockey opens with win

The men's hockey team opened the 1984-85 season with a bang Saturday, blasting the visiting University of Hartford, 13-2. The host Engineers broke the game open in the third period, scoring



Tech photo by P. Paul Hsu

The MIT men's novice lightweights pull close to boats from Northeastern University and Harvard University in the Foot of the Charles Nov. 17th. They finished the 2½-mile course with a time of 18:03.9.

Freshmen and novices row in men's Foot of the Charles

By Diana ben-Aaron

Fighting a headwind and rough water, the MIT men's freshman lightweight crews rowed their way to ninth, 20th, and 37th-place finishes in the annual Foot of the Charles freshman and novice race Nov. 17.

The freshman heavyweights placed 22nd and 41st, and the novice lightweights captured 42nd place. Freshman boats are composed exclusively of freshmen, while novice boats are composed of upperclassmen who have just started rowing.

Harvard University won the

2½-mile race from the MIT boathouse to the Harvard boathouse with a time of 14:39.2. Ten Harvard boats were entered in the 43-boat field, which also included boats from Columbia, Northeastern, Boston University, University of New Hampshire, Tufts, and University of Lowell.

MIT's ninth-place lightweights were only a minute and a half slower, with a time of 15:47.7. The 20th-place lightweights posted a time of 16:23.8, while the first Engineer heavyweight boat was three seconds behind with a time of 16:26.4.

The third lightweight crew

took 17:30.8 minutes to row the course, placing ahead of the second heavies, who made a time of 17:51.9 to capture 41st place. The novice lightweights completed the course in 18:03.9.

The ninth-place MIT lightweight boat evened their score with the University of New Hampshire by beating the first UNH crew by 10 seconds; three weeks ago, the UNH lightweights beat MIT by 30 seconds.

Michael D. Fox '88 coxed the ninth-place crew, with rowers James E. Pierce '88 (stroke), Richard P. Vinci '88, Peter E. Powers '88, Jeffrey W. Johnston '88, Marcel T. Eberle '88, Adam L. Schwartz '88, Mike G. Frey '88, and Alan D. Devoe '88.

First and second frosh lightweights rowed a "well-poised and controlled race" at the rapid pace of 28-32 strokes per minute, according to freshman lightweight coach Ron Wilkes '84. By contrast, the first heavies rowed at a low, powerful stroke rating of 23-26 cycles per minute, Wilkes observed.

This was the third regatta for the lightweights, and the first for the heavyweights, Wilkes said. The Foot marks the end of the fall crew season, but rowers will continue training in Cambridge and Florida during the winter in anticipation of the spring racing season.

Martin Dickau



Tech photo by P. Paul Hsu

The rowers of the MIT second freshman lightweight boat stroke their way to a nice 16:23.8 finish in the Foot of the Charles. The race course extends from the MIT boathouse to the Harvard boathouse.

Worcester St. wins national crown

The Worcester State Lancers ended their season unbeaten Saturday, defeating the visiting defending two-time national champion Bentley Falcons, 20-14, to capture the 1984 National Collegiate Football Association championship.

Bentley defeated St. John Fisher, the association's other unbeaten team, the previous weekend in one of the semifinal games. The Lancers downed the MIT football club in the other half of the semifinals.

December home sports events

Saturday, Dec. 1
 Women's Basketball vs. Regis, 1 pm.
 Men's Hockey vs. Tufts, 2 pm.
 Men's Swimming vs. Wesleyan, 4 pm.
 Women's Swimming vs. Wesleyan, 2 pm.
 Track vs. Brandeis, WPI, 1 pm.

Monday, Dec. 3
 Women's Basketball vs. Wesleyan, 7:30 pm.

Wednesday, Dec. 5
 Men's Hockey vs. WPI, 7 pm.
 Squash vs. Bowdoin, 4 pm.

Friday, Dec. 7
 Track vs. Holy Cross, 6 pm.

Saturday, Dec. 8
 Men's Basketball vs. New England College, 2 pm.
 Men's Hockey vs. Southern Maine, 2 pm.
 Pistol vs. Navy, 9 am.
 Squash vs. Trinity, 2 pm.

Tuesday, Dec. 11
 Squash vs. Bowdoin, 4 pm.

Thursday, Dec. 13
 Men's Basketball vs. Salve Regina, 7 pm.

Saturday, Dec. 15
 Track vs. Alumni, 2 pm.
 Wrestling vs. UMass-Boston, 1 pm.