

Indian summer weather helps make a pleasant afternoon of sailing on the Charles. (Photo by Kevin Osborn)

## 2.70 contest is on the level

By Eric Sklar

"Introduction to the design process in engineering, stressing the creative approach... Instruction via case, project and independent resource methods to simulate professional engineering practice." So reads the *MIT Bulletin's* description of Subject 2.70. Introduction to Design. The subject is required for Mechanical Engineering majors, and although it lacks the usual incentives, such as fulfilling the Institute Lab or Distribution requirements, it enjoys a large enrollment from outside the department.

The reason lies in what the description so innocently describes. The latter portion of the course consists of what may be considered mundane and standard fare for introductory design courses, lectures and two theoretical design problems. The difference is in the former part of the curriculum.

As part of "stressing the creative approach", a contest is held each year. It is designed to be some form of competition between two devices of the students' construction on some apparatus contrived for the purpose. The students are told the specification of the device and the object of the contest and are given identical kits of assorted scrap materials with which to build their entries.

Some parts of the kits, such as the motors, are identifiable in most if not all of the entries. However, the devices are so varied in appearance that it is hard to tell that they have any relation to one another, much less that they are constructed from identical kits of materials.

This year's problem was to design and construct a device to tip a center pivoted beam in the device's direction at the end of a ten-second interval. The power for the motors comes from the contact strips on the beam.

The first round of the contest was held Tuesday night in room 26-100, and finals were held last night. (Note — see News Roundup for the results.)

Of the 200 students enrolled in 2.70, almost all placed some form of entry on the beam at their scheduled start. What happened from then on is, if nothing else, a

source of amusement to those whose machines functioned properly, and those who went to watch. The machines fell into three basic design categories. There were machines designed to move as large a mass withing the two kilogram limit as far out on the beam as possible, machines designed to capture their opponents' machine and prevent it from moving, and machines designed with propellers to force them downward. Many machines combined more than one of these features.

pushed its opponent off the opponent's end of the beam and promptly followed it to the floor. Many of the machines, after seemingly good starts, failed to stop at the end of the beam and sailed merrily floorward. The students had designed assorted devices, ranging from strings tied to the beam or held by brackets to elaborate clamping systems to prevent such occurrences, but these precautions failed in a disappointing number of cases. Some of them erred by under an inch and allowed the machines to



Geoffrey Gardner '81 places his entry on the beam in the first round of the 2.70 contest Tuesday night. (Photo by Eric Sklar)

In terms of function, the machines classified themselves into several groups: those that didn't move, those that moved but didn't stop at the end of the beam, those that moved in the wrong direction, and lastly, those that moved in the right direction and stopped before the end of the beam.

There were several reasons cited by the participants and observers for the failure of vehicles which did not run. Many shorted their own power supplies while others failed to make contact with the two copper strips which ran the length of the track.

Several of the machines ran quite smoothly but in the wrong direction, including one which

slip just a tad too far to maintain their grasp, others held their machines far short of the end of the beam.

In quite a few of the cases, much to the surprise of several of the people present, including the designers, the machines ran as planned and more than one of the heats was decided by a few degrees deflection of the beam.

Although the students were required to place their names, numbers and instructor's name on their machines, many went to great length to aesthetically enhance their devices. There were many neatly painted and decorated. One was built to resemble a DC-10, and shortly

(Please turn to page 10)

## MIT fund drive total may exceed target

By James Moore

The MIT Leadership Campaign is entering its final six months and officials expect to not only meet but to exceed the original campaign goal.

To this date, over \$223 million has been committed to the fund drive, which is just below the final projected goal of \$225 million. No one is sitting back and resting, however. According to Executive Director of Resource Development Nelson Lees, the fundraising efforts will be increased over the final stages to try to exceed the original targets by as much as possible.

"A capital campaign is an all-out concerted fundraising effort", said Lees. "They are usually long-term programs and seldom will any organization mount one for modest amounts." The Leadership Campaign is the third such major campaign in MIT history, and as seen, its goals are quite substantial.

"It's all a matter of economics," continued Lees. "There was a time when capital campaigns were considered once-in-a-lifetime events; now that is no longer feasible. At present, amongst major American colleges and universities, there are over 110 capital campaigns underway, seeking to raise over \$6 billion. Everyone is looking for funds. Many people look up to MIT and the title of the campaign comes from this attitude. The school is a world leader not only in science, engineering, and research, but also in producing leaders in these fields. We want to maintain that leadership, and that requires financial support."

The central aim of the Campaign, according to Lees, is to increase the school's endowment, especially for the establishment of new professorships. As expressed by Chairman of the Corporation Howard W. Johnson, although "strong progress has been made toward establishing new endowed professorships, additional chairs are urgently needed." He cited the large number of distinguished faculty members at MIT who are leaders in their fields, and added that "support for promising junior faculty members, especially within the School of Engineering, is also of critical importance to both the current and future development of teaching and research at the Institute."

Lees said that another major Leadership Campaign goal is increasing Student Aid endowments. Originally, \$10 million was sought for this purpose, and while over \$11 million has been collected, officials are anxious to exceed this amount substantially. Lees explained, "The \$10 million goal is actually rather low. We felt in 1975, however, that we should be realistic in asking for contributions. In the late 60's and early

(Please turn to page 8)

## GSC claims graduate students neglected

By Agnes Huang

"Last year, the Visiting Committee of the Corporation came to the campus and found out that graduate students were neglected by the administration," explained Richard Celotto, treasurer for the Graduate Student Council (GSC). "We want to change that."

According to the GSC officer, graduate student activities are important because graduate students do not have social lives as active as their undergraduate counterparts. "Graduate students tend to be more isolated than undergraduates. They live in houses or clear down at East or West Gate," commented Celotto. "Also, they don't take as many classes, so they have very little social life."

Despite the need for a graduate student center, plans and actual work towards the goal has been slow. "There has been talk for about ten years for turning Walker into a graduate student center similar to the Student Center," stressed Celotto. However, without affirmation from the Office of the Dean for

Student Affairs, this idea was "never more than discussion."

Although fifty percent of the MIT student body is composed of graduate students, explained the treasurer, these students tend to keep away from the undergraduates, hence increasing the schism between the two groups. "Most graduate students are not too enthusiastic about doing things with the undergraduates. They feel that the undergraduates are much younger and more immature. Besides, most of them [the graduate students] are married and have views different from the undergraduates," he reasoned.

Because of this basic difference, Celotto said that graduate students find it difficult to lead social lives with their younger schoolmates. To add to the problem, he indicated that lack of time for social activities also hurts the graduate students. "It is not true that the grads are apathetic," he emphasized. "It's just that they have no time and no motivation. They have no peer pressure to get them involved in activities."

(Please turn to page 8)

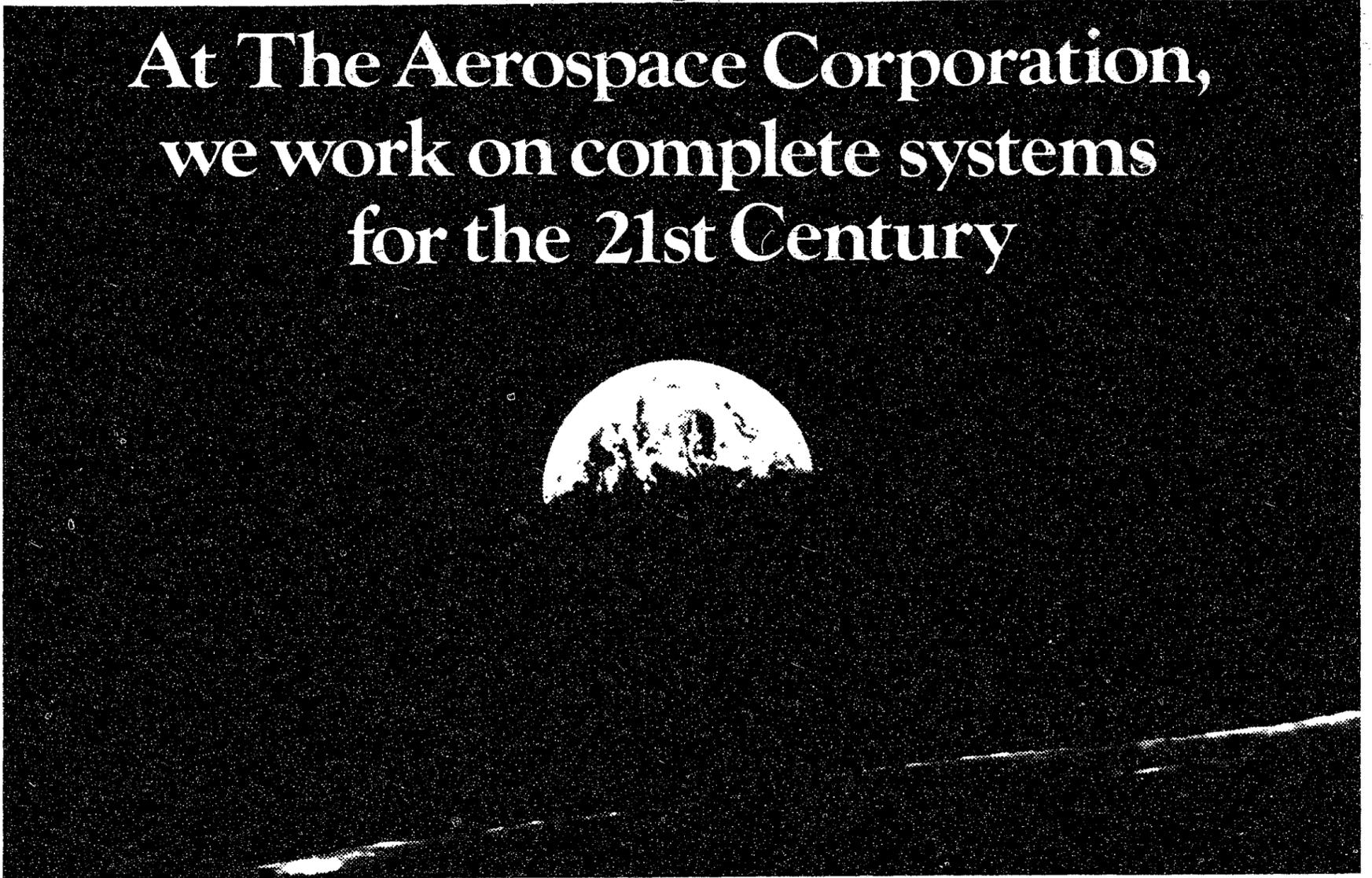
## inside

The new Jules and the Polar Bears album contains a new type of music that must be heard to be believed. Page 6.

The women's rugby team demonstrated a strong defense, but the offense was shut out in a 3-0 loss to Hartford last week. Page 15.

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# news roundup

## World

**Shah Gutless** — Surgeons from the New York Hospital Cornell Medical Center operated for two and one-half hours Wednesday on Mohammed Riza Pahlevi, the deposed Shah of Iran. They removed an enlarged lymph node, his gallbladder, and a piece of kidney to test for cancer.

## Nation

**House continues gas price control** — The House of Representatives voted 225 to 189 Wednesday to continue price controls on gasoline, reversing its decision of twelve days ago. The vote, after routine debate, reflects strong White House opposition to abolishing the controls. In a related matter, Mobil Oil Corporation announced a third quarter increase in profits of 130.6 percent, the largest announced by any of the international oil companies so far.

**Nitrous Oxide no laughing matter** — In reports delivered at the annual meeting of the American Dental Association, Dr. Ellis Cohen, professor of anesthesiology at Stanford University, stated that there is a definite link between health problems and "laughing gas," [nitrous oxide] an anesthetic and recreational drug popularly believed to be harmless. Ellis noted that in comparison to dental personnel, patients are exposed only very briefly. He did not comment on the effects of prolonged exposure to "whippets."

## Campus

**2.70 design contest held** — Karl Ulrich and Richard White were declared co-champions of this year's 2.70 design contest which was held last night in 26-100. The contest pitted pairs of contraptions against each other on a balance beam. Whichever machine had the beam tipped in its favor at the end of 10 seconds was declared the winner. The finals ended with the beam level. It was the only tie of the entire contest.

— By Richard Salz and Tom Curtis

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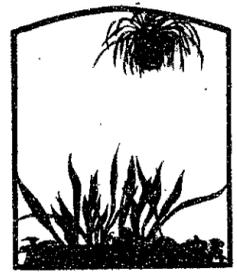
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Mario G. Leon

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# opinion

Steve Solnick

## Take time to read between the lines

They started cleaning out the offices of *thursday* this week. For those of you who are new, *thursday* was until last year the other newspaper on campus.

They were irresponsible, obscene, irreverent, untrustworthy, unreliable, and disorganized. . . but I miss them more each week. You see, irresponsible as they were, they knew what was news.

Not that they always knew how to report it accurately, mind you. But they knew what issues deserved to be called real news and, unlike any medium on this campus today, they wasted no time in shouting about it.

Lots of information gets disseminated around this campus each week. It's become very easy to take it all on face value. But there's often something lurking below the surface. And nowadays it's up to each of us to read between the lines. Things we read around us are becoming more superficial.

For instance, let's take a close look at some tidbits which have appeared around campus in the last week in the numerous remaining "channels of information":

— In the MIT insert to the current issue of *Technology Review*, which goes to parents and alumni, was a discussion of a student who did a UROP project in theater. The article beamed: "Bob collected notes he hoped will be useful in the MIT program and in the design of a new theater which is now being planned at the Institute." What the reader does not know is that the theater cited has been cancelled to make room for a parking lot.

— The Report of the President and Chancellor, which was included in *Tech Talk* last week declared: "Our students seem to be making more out of what is available to them at the Institute today than they did during the previous decade." Let's face it, such gratuitous optimism does little in the way of studied analysis. While it's easy to nod and accept such a sentiment, hard questions about whether the Institute's offerings are as varied and balanced as they should be will only grow in the years to come.

— Last week's *Tech Talk* announced the creation of a Sustaining Fellows program to "not only augment the Resources of the Institute but also draw into its orbit new friends and supporters who might not otherwise have a relationship with MIT." The Fellows are described as "a unique and valuable resource not only for MIT but also for our nation." How does one attain this recognition of admirable patriotism? Simply donate \$2000 annually to MIT.

Sometimes fundraisers get a bit carried away with their rhetoric. — A new exhibit in Lobby 7 this week proclaimed the success of the Leadership Campaign and extolled the virtues of the Institute whose alumni have contributed \$225 million in five years. Sometimes Fundraisers get a lot carried away with their rhetoric. After all, who are they trying to sell on the Campaign, underpaid students?

— Even *The Tech* sometimes published articles which fail to dig very deeply beyond the surface.

So, don't accept everything you read while sitting in lecture. Read carefully, and critically. It's a handy skill to learn anyway.

Speaking of reading carefully, the Final Report of the Dining Committee is on the Chancellor's desk. There's an interesting line at the end which was not in the Draft. The report was submitted without an itemized estimate of the costs of the program, but the report states "capital costs are likely to be on the order of \$700 thousand." Believe me, conversations with various members of the administration make it clear that's more than MIT will be willing to spend. That won't stop Combined Room and Board, though.



## feedback

## Blood Drive starts Oct. 31

*To the Editor:*  
I would like to correct some inaccuracies in the article concerning the TCA-Red Cross Fall Blood Drive. The drive starts on Wednesday, October 31, not on November 1, as stated in the headline. Secondly, the back side of the appointment form lists all reasons for ineligibility. A deferral does not entitle one to any privileges; for that matter, neither does donation. As MIT students and staff, we are all entitled to full flood coverage. For the purposes of the IFC and DormCon contests, a deferral merely ups your living group's donation percen-

tage and improves your chance at one of the prizes. One may only be deferred for items (on the reverse of the appointment form) that would disqualify one for the duration of the drive (ten days). Therefore, someone who has had dental surgery or a cold may not get a deferral. Also, the current regulations concerning mononucleosis allow one to donate as soon as one is symptom-free and is feeling better. Finally, appointment forms are not only available in the TCA office (W20-450). There is, in every living group (fraternity,

floor or entry), one person with the forms. In addition, forms may be obtained at the Lobby 7 newspaper cubby (where you pick up copies of *The Tech*) and in some departmental (undergraduate) headquarters.

Schedule your appointment now!! Be a pint-sized hero.

Eric A. Sohn '81  
Fall Blood Drive Chairman

## Arts events too crowded

*To the Editor:*  
Due to the closing of Kresge Auditorium, the arts events whose locations were changed to smaller halls have been rather overcrowded, specifically the performances of the LaSalle Quartet and the mime Amaranov. To the future relief of these circumstances, I suggest one of two moves be taken. Either members of the MIT community should be seated first, with the general public admitted to capacity, or preferably, tickets should be distributed in advance of the event. Any cost in time or funds incurred in these measures would be well-spent to avoid inconvenience or disappointment.

M.G. Kopczyński '80

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

**Columns** are usually written by members of *The Tech* staff and represent the opinion of the author only, not necessarily that of the rest of the staff.

**Letters to the Editor** are written by members of the MIT community and represent the opinion of the writer.

*The Tech* will attempt to publish all letters received, and will consider columns or stories. All submissions should be typed, preferably triple spaced, on a 57-character line. Unsigned letters will not be printed. Authors' names will be withheld upon request.

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Kathryn E. Gropp '80 — Managing Editor  
Pandora Berman '80 — Business Manager  
Volume 99, Number 42  
Friday, October 26, 1979

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(Photo by Libby Peralta)



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## arts

joolz and the polar bears  
fanētiksis finōmanal

*fanētiksis, Jules and the Polar Bears on Columbia Records JC 36168.*

Last spring I saw an album by a new group called Jules and the Polar Bears. I dismissed it immediately, thinking it was another new wave effort by one of those bands with a trite "\_\_\_\_\_ and the \_\_\_\_\_s" name — they would be the rage for a few weeks and sink into obscurity, never to be heard from again.

I was wrong. That album, *Got No Breeding*, met with tremendous critical acclaim and virtually no airplay, which I thought would still guarantee them the aforementioned obscurity. Wrong again. Jules and the Polar Bears did disappear, but into a studio to produce their second album, which was released last month. Having learned my lesson, (don't judge an album by its cover), I borrowed a copy of the new release with the intent of giving it one listen and dismissing it again. That one listen, however, was enough to change my mind about this band.

*fanētiksis* (phonetics) by Jules and the Polar Bears (*joolz and the polar bears*) contains some of the most original music to be released in years. Songwriter/lead singer/guitarist Jules Shear takes standard rock idioms and twists them beyond all recognition, creating songs which at first seem overly familiar, but turn out to be surprising due to the unexpected changes he incorporates. Shear does to rock what Nick Lowe does to pop — he takes old worn-out riffs and revitalizes them, making them sound fresh and exciting. Unlike Lowe, however, Shear's music cannot be easily categorized — it isn't new wave, pop, or straight rock, but a new mixture of all three. As Shear wrote "What do you belong to?" It doesn't really matter; this music stands alone.

The Polar Bears are the perfect vehicle for Shear's artistry — a tight backup for the vocals and solo guitar work. The playing never gets heavy enough to drown out Shear's Jackson Browne-like voice, a voice that seems particularly well suited to the tunes. The opening cut, "Good Reason," is a perfect example of how well the band works together. A variety of styles are explored, all successfully. "I Give Up" and "All Caked Up" are a bow to the band's new wave roots, full of the hectic playing and choppy phrasing typical of that style. "The Smell of Home" is an experiment with reggae rhythms highlighted by the keyboard player (I don't know his name — it isn't listed on the

(Please turn to page 7)



Jules and the polar bears

deke girls  
football

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*This week's LSC lineup:*

**Foul Play**, Friday, 7 & 10, 26-100.

**On the Waterfront** (Classic), 7:30, 10-250.

**Diamonds Are Forever**, Saturday, 7 & 10, 26-100.

**Duck Soup**, Sunday, 6:30 & 9, 26-100.

**Music**

**The B-52's** at The Paradise, Monday, Oct. 29, 8:30pm.

**Unnatural Axe, Thrills, and Lonely Boys** in a Halloween party at The Club, Wed. Oct. 31.

**Peter Dayton and Flashcubes** at The Space, Fri. and Sat.

**Infliktors and Mission of Burma** at The Honey Lounge, Fri.

**Unnatural Axe and Pastiche** at Cantone's, Fri. and Sat.

**Nervous Eaters** at The Rat Fri. - Sun.; Fri. with **Thrills and The Fast**.

**Jean-Luc Ponty** at the Orpheum Theatre, Friday, November 2 at 7:30 pm; tickets \$8.50 & \$7.50.

**Steve Forbert** at the Berklee Performance Center, Friday, November 2 at 7 pm; tickets \$8.50.

**Tom Petty and the Heartbreakers** with the **Fabulous Poodles** at the Orpheum Theatre, Friday, November 9 at 7:30 pm; tickets \$8.50 & \$7.50.

**Andy Kaufman** at the Berklee Performance Center, Sunday, November 18 at 7:30 pm, tickets \$9.50.

**The Grateful Dead** at the Cape Cod Coliseum, Saturday, Oct. 27 and Sunday, Oct. 28, at 7:30 pm; tickets \$8.50 in advance, \$10.00 day of show.

**Styx** at the Boston Garden, Saturday, November 10 at 8 pm, tickets \$9.50 & \$8.50.

**Tom Waits** at the Harvard Square Theatre, Saturday, November 10 at 7:30 pm; tickets \$8.50 & \$7.50.

**Jack DeJohnette's Special Edition** with special guest **Miroslav Vitous** at the Morse Auditorium, Saturday, November 3 at 7:30 pm; tickets \$7.50 in advance, \$8.50 day of show.

**Spirogyra** at the Berklee Performance Center, Saturday, November 3 at 7 pm; tickets \$7.50.

**joolz**

(Continued from page 6)

album). The rest of the tunes defy classification, but none of them fail to be interesting.

*Joolz* is an excellent album; a remarkable display of new talent that shows a whole new direction for modern music to follow.

— David Shaw

**Theatre**

Auditions for MIT **Dramashop's** second set of fall one-act plays will be held on Monday, October 29 in Burton Dining Hall at 7:30 pm. The three pieces being auditioned for are *Footfalls* by Samuel Beckett, *The Elephant Calf* by Bertold Brecht, and *The Harmfulness of Tobacco* by Anton Chekov. The performance will take place on November 15, 16, & 17 at 8 pm. For more information call the Drama Office at 253-4456.

The Magus Theatre Company makes its debut with a production of Edward Albee's **Who's Afraid of Virginia Woolf?**, which will run for four weeks at the Hasty Pudding Theatre off Harvard Square. For ticket information and reservations call 744-1981.

The Lyric Stage presents William Shakespeare's **Much Ado About Nothing**, with performances Wednesday, Thursday, and Friday evenings at 8:00 pm, and Saturdays at 5 & 8:30 pm.

Tickets range from \$4 to \$6 depending on day. For information, call 742-8703.

**Gilda Radner-Live from New York** at the music Hall Friday October 26 at 8 pm and Saturday, October 27 at 7 & 10 pm; tickets \$15.00, \$12.50 & \$10.00.

The **British American Repertory Company** opens at the Wilbur Theatre with the Tom Stoppard comedy **Dirty Linen**, which will run October 30 through November 18. Performances

Tuesday through Saturday at 8 pm; Sunday at 7:30 pm; matinees Saturday at 2 pm and Sunday at 3 pm. Tickets range from \$14 to \$6; for more information call 423-4008.

The improvisational comedy duo, **Montieth and Rand**, will conclude their one week run at the Wilbur Theatre this Friday and Saturday, October 26 & 27 at 7:30 pm. For ticket information and reservations call 423-4008.

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# Inflation troubles drive

(Continued from page 1)

70's, student financial aid was a sensitive issue with many people, and this was a very real concern for us in setting the student aid goal."

He said that now, however, the public attitude has changed considerably and that the Campaign officials are pushing extra hard for funds in this area. "We hope to maintain, and even increase, the scholarship, fellowship, and loan opportunities, and this means that we have to make up for the original low projection and the effects of inflation."

Inflation has proven to be a major headache throughout the drive, especially in respect to construction projects, but Lees explained that this is not a new or unique situation. "Fundraising for construction is always troublesome," said Lees. "A steady flow of small contributions isn't suitable for such major projects as we're mounting. It is necessary to have several large donations — say \$2 or \$3 million — coming in at proper intervals. We are disappointed in the progress with the new Athletic Facility. It is something that will effect the entire MIT community, yet donations have been very sporadic. At present, construction is underway, and about \$6 million of the necessary \$8.86 million has been collected, but at one point construction costs were going up more quickly than donations were coming in."

Next House, the proposed dormitory, has also encountered difficulties in funding, according to Lees. The original request for \$10 million was to have been for two residences. "We've cut our hopes to one building, and if it weren't for a recent \$2 million contribution, I don't know where we would be." He said that plans have already been drawn up and construction should start imminently, with the fall of 1981 as a

## Activities planned for graduates

(Continued from page 1)

Celotto said that to offset the administration's neglect of graduate student activities, GSC and various departments plan social affairs for the graduate group. "Some departments plan their own social activities for the graduate students but there aren't enough of these. GSC has a few parties at the beginning of the year, but we need the students to voice their desires to us. We need graduates to work on the council so we can get more input," he explained.

Furthermore, Celotto stressed the need for filing any complaints to GSC. Only through this method is the council able to know student problems. Complaints can be given at council meetings every third Thursday of the month. The meetings are held at various dining halls from 5 to 7:30pm. All participants receive a free meal. Complaints can also be given to the GSC secretary, Pegg Hunter, at x3-2195.

targeted occupancy date. "Financing is still a very real problem, however, and as of now, a bond will have to be taken out to cover the cost of construction."

The Leadership Campaign will end next April and officials have no plans for mounting another capital campaign. Nonetheless, there is a constant need for finances, and fundraising efforts will continue past this date, said Lees. "It's a fact of life," he ex-

plained, "that the various functions of the school are constantly in need of support. While it won't be in the context of a capital campaign, fundraising will be continued for a substantial list of top priorities, to finish what has not been completed, and to attend to faculty needs." He hastened to add that Leadership Campaign officials are very pleased with the drive thus far and the campaign has to be regarded as successful.

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Looking Back

First UMOC contest was close

*Editor's note: The first UMOC contest developed into a form which surprised the campus at the time, but which is now taken for granted, as can be seen in a series of articles in The Tech from November 1953 to January 1954.*

UMOC wants you! Alpha Phi Omega's Ugly Man Contest begins next week on Monday, December 7. More candidates are needed in the contest for the title of UMOC (Ugly Man On Campus), so send your nominating applications now to Harris Weinstein, Box 3143, Burton House, before midnight Sunday, December 6.

A photo or sketch of the candidate should accompany each entry. Specific merits of the candidate, such as age, measurements, number of teeth, or angle and length of nose should also be included in these entries.

\* \* \* \*

Candidates in Alpha Phi Omega's Ugly Man contest have shown an alarming tendency to actually want to win.

The present third place contestant, Klaus Kubierschky '56, wracked with burning jealousy, has made the APO booth in Building 10 his habitual hangout where he consistently brings tears (but no votes) to the eyes of the milling crowd of voters with his pitiful, toothless, cross-eyed grin.

A bitterly contested rivalry has sprung up between the Air Force and Army ROTC. Fighting for the Air Force is Robert Warshawer '54, known as "the guy who makes up the drills", while Major F. B. "A prince of a fellow" Moon represents the Army.

Warshawer's tactics consist of threatening the quivering cadets with longer and tougher drill periods if he fails to win. Probably drawing extensive training and experience at West Point, Major Moon has adopted the opposite tactics and is cajoling his subordinates to vote for him with soft words, excusing drill periods early to vote for him, and has even been observed stuffing his ballot box with the monetary equivalent of 100 votes.

\* \* \* \*

With what amounted to an eleventh hour action, Bob Warshawer '54 was pushed ahead to first place in Alpha Phi Omega's Ugly Man contest in the closing minutes of the voting last Friday, December 11.

Early Friday morning, eight dollars worth of pennies were dumped in Warshawer's bottle, bringing him from a distant to a close second, and making him a dangerous competitor for first place candidate Major F. B. Moon. From then on the race was nip and tuck, reaching almost a dead heat in the hour before 5:30 pm, the contest's closing time.

Suddenly, at 5:29½, the crowd which had been gathering in front of the APO booth since 5:00 pm surged forward and began stuffing money into both candidates' bottles. However, the crowd's sentiment was with Warshawer and a five dollar bill found its way into his bottle during the crush.

This saturnalian voting put Warshawer way ahead in first place with 5058 votes. Major Moon came in a distant second with 4306 votes, while Klaus Kubierschky '56 ran third with 986 votes. The UMOC trophy will be presented to Warshawer by APO in the lobby of Building 10 at high noon on Wednesday, January 6, 1954.

About \$125 was collected, which will be used to send ten Cambridge scouts to scout camp next summer.



Left to right: President Jerome Wiesner, Count UMOC, and Igor. Two of them won UMOC '76. (Photo by Tom Kilmowicz)

PRETERM

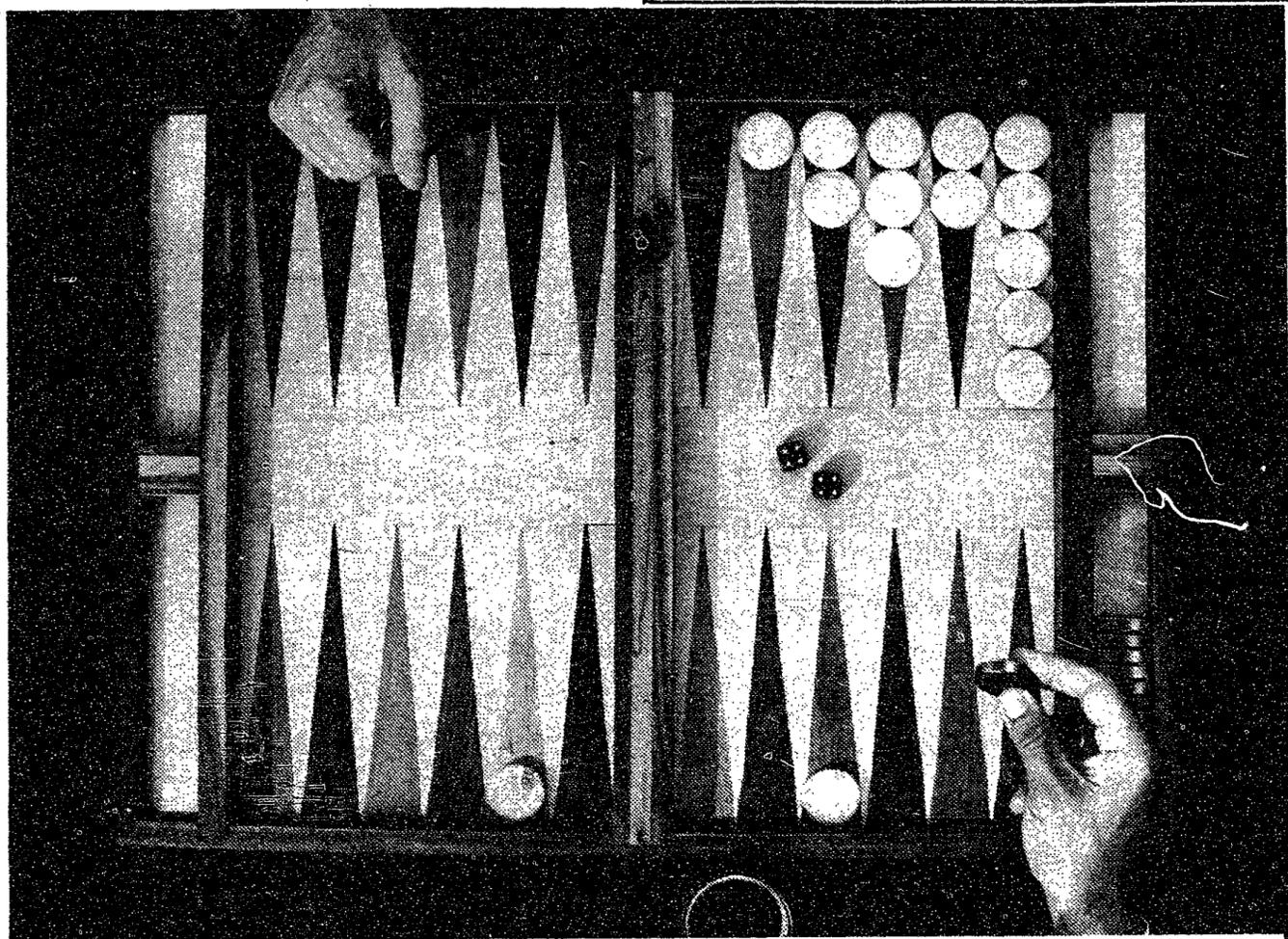
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# Abortion rights defended

By L.J. Dunn

On Monday "An Open House on Abortion and Law" was held at B.U. College of Liberal Arts, beginning Abortion Rights Action Week.

The purpose of the forum, held before a predominantly female audience, was to inform the public of the current legal status of abortion.

The panel, which consisted of Judith Levin of the New York chapter of the ACLU and attorneys Nancy Gertner and Kathy Galvin, attacked current and pending legislation in several states. The panel claimed the legislation would require doctors to intimidate patients by telling them half-truths concerning the dangers of abortion, declare fetuses human beings, require waiting periods, deny Medicaid abortions to women whose health might be endangered by a full-term pregnancy, allow the father and grandparents to halt an abortion, prevent public hospitals from performing abortions, or require burial rites for fetal tissue.

Gertner asserted that the belief that a fetus is a human being is basically religious, and that denial of abortions on that basis is in fact a violation of the First Amendment right of freedom of religion. The group said that attacks on "reproductive freedom"

are attacks on the economic independence granted by the ability to choose when or whether to have a family, and that any woman who wants to have an abortion should be economically and legally able to have one.



Nancy Gertner makes a point as Judith Levin looks on. (Photo by L.J. Dunn)

## Machines compete on pivot beams

(Continued from page 1)

after the start of the contest, dropped its left wing engine and dangled it by a string.

The audience filled the room to well over its legal capacity and many people were standing in the aisles and in the back of the room. The audience was loud, at times loud enough to make the announcements inaudible, but generally well-behaved with much cheering for the successful and sometimes the unsuccessful



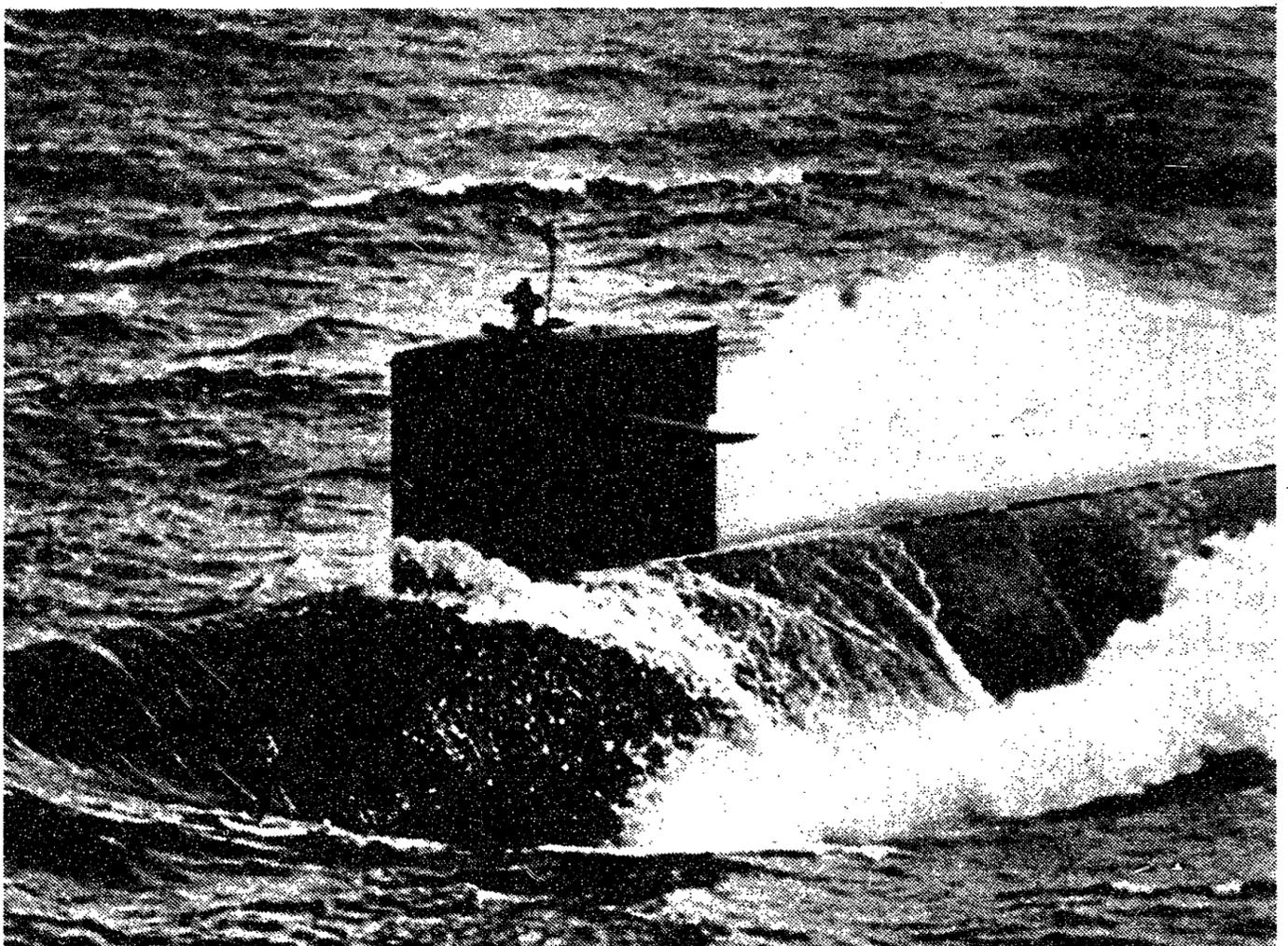
Woody Flowers. (Photo by Eric Sklar)

entries, and much complaint about the disqualification of many entries on technical grounds, such as exceeding the 18" diameter limit.

The contest was appreciated by many for what it is, a spectacle as well as a demonstration of the engineering ability of the students. And numerous members of the audience expressed interest in the final rounds and future contests, some declaring to enroll next year, "just for fun."

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# notes

## Announcements

Elie Wiesel, chairman of the President's Commission on the Holocaust, and Andrew W. Mellon, Professor in the Humanities at Boston University, will present the second lecture in a series entitled "Three Encounters With Elie Wiesel." The series focuses on Jewish attitudes toward suffering. The lecture will be held at 7:30pm on Oct. 29, in Boston University's Morse Auditorium, 602 Commonwealth Ave., Boston. Admission is free and open to the public. Seating is on a first come, first served basis, and early arrival is recommended. For more information, call Cathleen Coburn, 353-3665.

A modern dance concert, directed by the creative artist, Susan Rose. 8pm Alumnae Hall at Wellesley College on Oct. 26. Admission is free. All are welcome.

Chamber Music with fortepiano by Mendelssohn and Schubert, including the Trout Quintet, will be held in Jewett Arts Center at Wellesley College at 8pm on Oct. 28. Mary Sadovnikoff, fortepiano; Daniel Stepien, violin; and others will perform.

Sponsored by the Grace Slack McNeil Program in American Art, Peter Mooz, Director of the Virginia Museum of Fine Arts in Richmond, will speak on "Robert Feke". The lecture will start at 6 pm, Oct. 30, in Jewett Auditorium. All are welcome.

The Third Annual Greater Boston Invitational Songfest will be held Saturday, Oct. 27, 7pm, at the Massachusetts Institute of Technology, room 10-250 (enter at 77 Massachusetts Avenue).

Sponsors of the event, the MIT Choraliaries and the MIT Logarithms, will be joined for an evening of pop, folk, barbershop, ballad and jazz music by student groups from other local colleges. Guests invited to share in the music-making this year include the Wellesley Widows and the Tufts Beelzebubs.

The public is invited to attend this free concert. Please note that seating in room 10-250 is limited and will take place on a first-come, first-served basis. For more information, call 253-2906.

Violinist Rose Mary Harbison, cellist Fred Goldstein and harp-

sichordist John Harbison will perform a concert of chamber music by J.S. Bach on Saturday, October 27, 7:30pm, in the Chapel at the Massachusetts Institute of Technology.

The three artists will play the Sonata for Violin and Continuo, BWV 1023, Sonata for Violin and Harpsichord, BWV 1017, Sonata

for Violin and Continuo, BWV 1021 and Prelude and Fugue in D minor, from the Well-Tempered Klavier, arranged for violin, cello and harpsichord by Mozart, K. 404A.

Sponsored by the MIT Music Section, the Oct. 27 concert is free and open to the public. For more information, call 253-2906.

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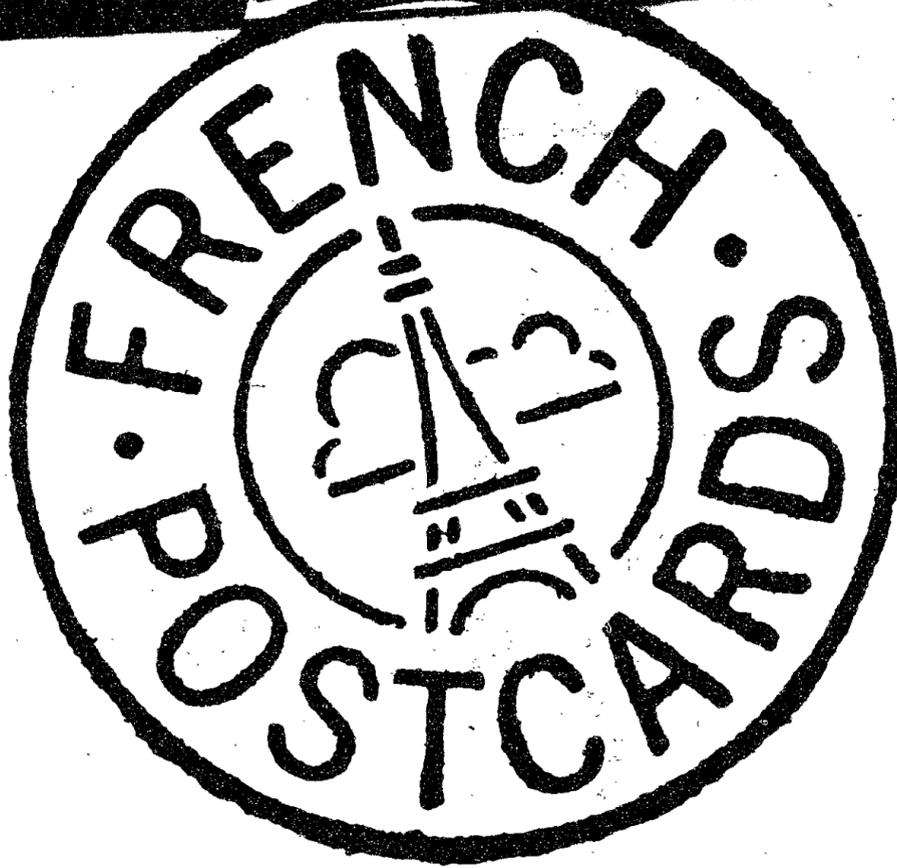
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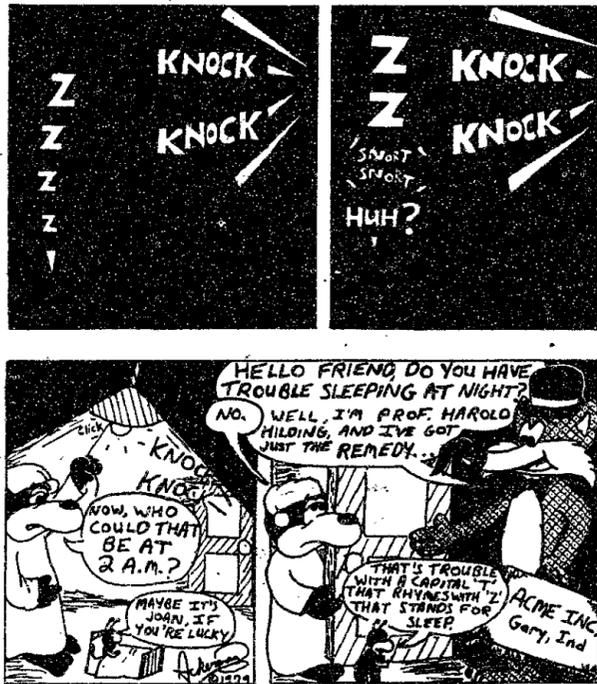
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# sports

## Rugby team loses 3-0 to Wild Roses

By Cliff Tabin

Editor's note: Cliff Tabin is the coach of the MIT Women's Rugby Football Club.

The women's rugby team lost a tough defensive battle to the Hartford Wild Roses last Saturday, 3-0.

In many ways, however, the game was a success. The MIT club has gone through a frustrating period in the last few weeks. After a promising start, in which the club defeated the defending New England Collegiate champion, Springfield College, 20-3, the team has had trouble pulling together. Minor injuries and team defections necessitated playing inexperienced women in key positions and experienced players in unaccustomed positions. Partially because of this, the forwards failed to gel as a unit. They had no confidence in themselves, the backs had no confidence in them, and as a result, the team did not believe in itself. However, in Saturday's game the team, and especially the forwards, finally pulled together.

The Wild Roses followed their opening kickoff and quickly pushed the Engineers close to the goal line. The MIT forwards set the tone of the game by pushing Hartford back repeatedly, keeping them from crossing the goal. Finally, the Roses settled for three points on a penalty kick for the game's only score.

The Roses came close to going for a try soon after, but again MIT held them out. Hartford's stronger and more experienced forwards won almost all the set scrums, but in spite of that the MIT forwards held them at bay with superb efforts in mauls and rucks. Nancy Breen '80 seemed to be all over the field in leading the backs defensively. The MIT women started their first real drive when the first half ended.

In the second half MIT played even better. The forwards were quicker than their opponents in getting to breakdowns, something that has always been a problem for them, and they started winning their share of set scrums. The backs' support of each other in running and kick reception led to several scoring opportunities. These were thwarted by a few inopportune penalties and by the tough Hartford defense. For its part, Hartford had only one serious drive in the second half. As in the first half, the forwards pushed them back in several key plays.

The game showed the MIT defense to be formidable. With more work this week on set scrums and lineouts, and a little more crispness in passing among the backs, the offense should be able to develop to the same level. The team will try to put it all together tomorrow against McGill College of Montreal.

## IM Football Standings

<b>A-League</b>	Muddy Charles Pub	1-2	DKE 'C'	0-3	Burn-Outs	1-2
<b>A 1</b>	TEP 'B'	1-2	<b>C 3</b>		Fenway House	0-3
SAE 'A'	Ese	0-2	ATO Stealers	3-0	Master Betas	0-4
LCA 'A'	Chocolate City	0-3	Nu Delta	2-1		
DTD	<b>B 3</b>		Bat Guano	2-1	<b>D-League</b>	
Baker	Burton Third Bombers	4-0	Disco Exterminators	2-2	<b>D 1</b>	3-0
X	Chem. Eng.	3-1	Passing Fantasies	1-2	German House	1-0
<b>A 2</b>	Washington Senators	2-1	DJ's Boys	1-2	Abusers	2-2
The 83's	TDC	2-1	Senior House	0-3	Peak Freaks	1-1
4th Polish Infantry	PKS	0-2	<b>C 4</b>		Kickers	1-2
BTP 'A'	Wharf Rats	0-3	SAE 'C'	3-1	Burton 3rd Bombers	0-3
DKE 'A'	ZBT	0-3	TDC 'C'	2-1	EMOQ	
Fiji			44 BC	2-2	<b>D 2</b>	3-0
	<b>C-League</b>		D-Generate	2-2	PSK	3-0
<b>B-League</b>	<b>C 1</b>		Third East	1-2	F Entry Vigilantes	3-1
<b>B 1</b>	Sig Ep 'C'	2-0	PBE	1-3	Fizzle Chem	1-1
Beast from the East	ZBT 'C'	2-1	<b>C 5</b>		NTS	1-3
Theta Chi 'B'	Chelates	1-1	Mass Pike	3-0	Maybe	1-3
DU	WPOD	1-1	CSR	2-1	Burton 4 Players	0-4
Metallurgy	Mac-C	0-1	Forefathers	1-1	TEP 'D'	
ADP	ET Newts	0-2	Desmond House	1-2		
Baker	<b>C 2</b>		Jack Florey	0-2	<b>Coed</b>	
Burton 5 Smokers	Meteorology	3-0	<b>C 6</b>		Theta Chi	2-0
<b>B 2</b>	Uncle Tony's	2-0	Burton 1	4-0	Student House	3-1
Sigma Chi St.	PKT	2-2	Conner 3	3-1	Temptations	2-1
The Pi Nads	English House	2-2	Virjins	2-1	WILG	0-2
Sig Ep 'B'	Nuke Eng.	0-2	Kappa Kono	2-1	Conner 4 Stars	0-3



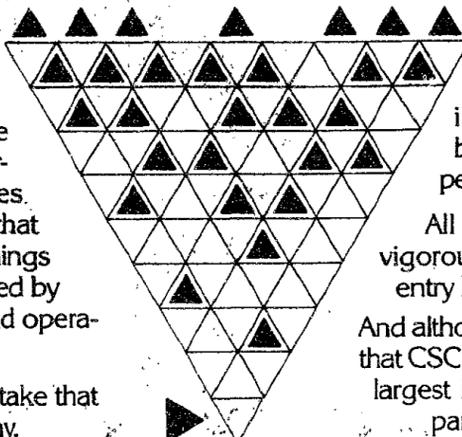
Go ahead and be cynical. But listen.

The facts are not just that we have more bona fide opportunities for new graduates than ever. The clincher is that all of these entry level openings are enthusiastically endorsed by our technical managers and operations directors.

That's right, you shouldn't take that for granted, at any company. But what this positive attitude at CSC means is that it's not likely you'll come on board only to find yourself on the wrong side of a professional "generation gap." The chances are outstanding that you'll quickly find yourself working with (as well as for) nationally preeminent individuals in their fields who are eager to help you make the right decisions, without being oppressive about it!

The motivation behind this attitude is worth knowing.

Because the expansion curve here has been so steep, more top posts have been created. Now most of these have been filled by the mid-level staffers already on board who demonstrated their upward mobility. This in turn



**Room at the bottom has never looked so good.**

— because it's been created by more room at the top.

created a whole new array of mid-level openings, most of which are being filled by our junior people on the rise.

All of which creates a pretty vigorous "career suction" at the entry level.

And although you may already know that CSC corporate-wide is one of the largest information sciences companies in the world, you'll want to learn more about the Systems Division's role creating some of the world's largest computer-based communication systems, command/control/communication systems, satellite information systems, advanced energy management and control systems, and turnkey computer-based systems of high sophistication that will help people and governments everywhere.

If your degree is in EE, Computer Science, or their equivalent, we'd like to introduce you to people very much like yourself who have helped make CSC the industry leader in software and computer-based systems.

We couldn't have gotten there without them... and we can't expect to stay there without you!

We'll be interviewing on campus

Tuesday, November 6

See your College Placement Office for details, or write to Mark Havard, Employment Manager.

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Foul Shots

# MIT names diving coach

By Bob Host

Andrea Whitelaw, daughter of Eastern Collegiate Athletic Conference (ECAC) commissioner Scotty Whitelaw, has been named coach for both the men's and women's swimming teams at MIT. An all-American at Michigan in 1973 and Arizona State in 1974, Whitelaw placed second in the one-meter and fourth in the three-meter diving events in the 1973 National Association for Intercollegiate Athletics for Women (NAIAW) championships. She attended the Olympic trials in Chicago in 1972 and has served as

diving coach at Weston High School the past two years.

\* \* \* \*

MIT will host the New England Team Racing championships tomorrow and Sunday on the Charles. Entered in the regatta are MIT, Harvard, Yale, Brown, Tufts, Boston University, Rhode Island, and the Coast Guard Academy. The top two teams will advance to the Intercollegiate Yacht Racing Association of North America championships next June, which will also be held at MIT.

The club football team travels to Loudonville, NY tomorrow to face Siena College at 1:30pm. The Engineers sport a 3-2 record after a 14-3 loss to Fitchburg State last weekend. Siena is 1-4 on the year. Last year, Siena defeated MIT 30-14 in the only home game the Engineers played that season.

Halfback Jeff Olson '81 continues to lead the team in scoring with 18 points, and in rushing with 171 yards through the first five games. Bruce Wrobel G has passed for a 47.6 completion percentage, with 39 completions in 82 attempts, good for 607 yards and three touchdowns. Barry Jorday '83 has caught 16 of these for 237 yards and two touchdowns; other top receivers are Greg Henley '80 (nine receptions for 125 yards) and Troy Beutel '83, with nine receptions and 141 yards.

MIT's defense has allowed only 11 points per game on the average, but even more interesting is the fact that no team has scored on the Engineers in the first quarter. In addition, Willy Schwartz '82, whose brother Dave is the placekicker for Yale, hit on MIT's first field goal ever when he kicked a 28-yarder against Fitchburg Saturday.

## sporting notices

Registration for physical education classes for the second quarter will be held Tuesday, Oct. 30 from 8:30am to 11am in the duPont Gym.

\* \* \* \*

There will be an Intramural Council meeting on Wednesday, Oct. 31 at 7pm in 4-149. Elections in bowling, volleyball, and wrestling will be held. Attendance at the meeting is mandatory. Octathlon and other matters will be discussed. Cider, Milk and doughnuts will be served after the meeting.

\* \* \* \*

There will be only A-league playoffs in IM football. The top two teams from each A-league division will make the playoffs, to be held Nov. 4 and 11. Two-team ties will be broken on the basis of the teams' game against each other. If more than two teams are tied, the out-of-division game will be dropped from their records and any resulting two-team ties will be broken accordingly. The last resort for any greater-than-two-team ties is the point spread in games among tied teams.

Also, most rain games have been rescheduled. Copies of the rain make-up schedule can be picked up in the IM office. Teams that were to supply referees on rain days will supply them on these days.

\* \* \* \*

The IM cross-country meet will be held on Sunday, Nov. 4 at Franklin Park in Boston at 1pm. Individual registration will begin at 12 noon. Team registration will follow at 12:30 pm. Team rosters are due in the IM cross-country manager's mailbox (W32-131) by 5pm Wednesday, Oct. 31. There will be three- and five-mile races. Any questions should be directed to Cynthia Reedy (5-7286).

\* \* \* \*

"An Evening With Champions" will be held at Harvard University's newly completed Alexander H. Bright Hockey

### on deck

**Saturday**

Men's sailing, Fowle Trophy, NEISA Team Racing Championship ..... 9:30am  
 Women's sailing, Tufts Invitational ..... 9:30am  
 Women's tennis vs. Boston College ..... 10am  
 Volleyball at SMU with Keene State ..... 1pm  
 Football at Siena ..... 1:30pm  
 Soccer vs. Colby ..... 2pm

**Sunday**

Women's sailing, Rhode Island Invitational  
 Men's sailing, Fowle Trophy, NEISA Team Racing Championship ..... 9:30am  
 Field Hockey: Invitational with WPI, Clark, and Endicott all day

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| <b>2 Pomona, CA</b><br>Pomona Division  | <b>7 Montreal, Quebec, Canada</b><br>Asbestos Corporation Limited   |
| <b>3 San Diego, CA</b><br>Convair Division<br>Electronics Division<br>Datagraphix, Inc.                               | <b>8 Quincy, MA and Charleston, SC</b><br>Quincy Shipbuilding Division  |
| <b>4 Fort Worth, TX</b><br>Fort Worth Division  | <b>9 Groton, CT</b><br>Electric Boat Division   |
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**NOVEMBER 8**

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