



Alice P. Lei/The Tech  
President Paul E. Gray '54 chats with MIT's two new Nobel laureates, biologist Susumu Tonegawa (left) and economist Robert M. Solow.

## Rules for HASS-D subjects drawn up

By Robert Adams

The new Humanities, Arts and Social Science Distribution subjects will all be 12-unit classes and have final exams, according to the committee implementing the new requirement.

The MIT faculty approved the new HASS-D requirement last May, and next year's entering freshmen will be the first class that must complete the new requirement. Over the next three years, the HASS-D system will be phased in and the old humanities distribution (HUM-D) classes will be phased out.

The first HASS-D classes may be offered next fall. Faculty who want to teach a HASS-D must submit preliminary proposals by Nov. 10, according to the committee's guidelines.

The HASS-D Overview Committee has established general criteria for the HASS-D subjects, such as generality, amount of

reading and size of discussion sections, according to Associate Dean of Humanities and Social Science Philip S. Khoury, chairman of the committee.

There are also five subcommittees drawing up criteria for subjects in each of the five categories of the HASS-D system: Literary and Textual Studies; Language, Thought and Value; The Arts; Cultures and Societies; and Historical Studies.

### Definition of a HASS-D

Among the specific criteria HASS-D subjects must meet are:

- HASS-D subjects must include a scheduled 3-hour final examination. The final should cover subject material over the entire term.

- At least three substantial writing exercises, totaling approximately 25 pages, must be required. (Please turn to page 19)

## ODSA grants UA additional \$10,000

By Michael Gojer

Dean for Student Affairs Shirley M. McBay last week appropriated an additional \$10,000 for the Undergraduate Association for this term, according to UA President Manuel Rodriguez '89. Although the appropriation raises the UA budget this term from \$20,000 to \$30,000, most of the student activity requests for the fall — totaling \$84,000 — will not be met.

The budget for student activi-

ties has not increased since the 1960s, according to Rodriguez. The UA will continue to fall far short of meeting activities' funding requests in the future unless it takes some action, such as raising an activities endowment fund, establishing a student activities fee or taking more money from the Institute's budget.

Rodriguez said the UA had initially received a budget of \$56,000 for this year, with \$20,000 budgeted for each of the

fall and spring terms and \$16,000 for the summer. The additional \$10,000 brings the UA budget for this year to \$66,000, less than a third of the total of \$200,000 in requests the UA expects this year.

Last year funding requests amounted to about \$150,000 for a UA budget of \$56,000, Rodriguez said.

### Activities' funding especially tight this year

"These requests were put in by people that already knew we were short on funding," Rodriguez

said, emphasizing that activities made requests only for important items.

The funding situation is especially bad this year because the UA has depleted a reserve fund which had allowed it to spend about \$80,000 for the past two years. The absence of this fund, which the UA accumulated during its under-budget years in the late 1970s, has caused a decline in the UA's spending power, Rodriguez said.

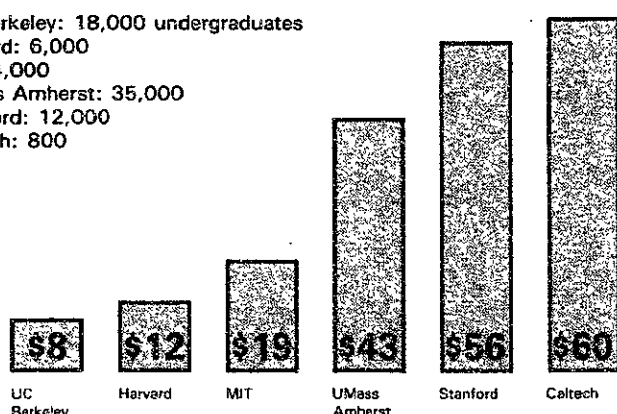
Rodriguez said the \$10,000 ap-



Alice P. Lei/The Tech  
Associate Dean of Humanities and Social Science Philip S. Khoury.

### Per capita budgets of undergraduate governments

UC Berkeley: 18,000 undergraduates  
Harvard: 6,000  
MIT: 4,000  
UMass Amherst: 35,000  
Stanford: 12,000  
Caltech: 800



Per capita budgets of undergraduate student governments. These figures do not include departmental or special-request funding, alumni funds and endowments, and self-supporting activities.

Tech graphic by Mark Kentowitz

## Baker student pushed out window

By Darrel Tarasewicz

A fight at Baker House early Saturday morning — involving a Baker resident and members of Delta Kappa Epsilon — ended when the dormitory resident was forced through the glass of a second-story window onto an overhang above the front entrance, according to sources at Baker House. The fight followed a private party called "Oktoberfest," which involved a drinking contest among members of the four classes.

The Baker resident spent the night at the MIT infirmary and was kept there for observation. The Office of the Dean for Student Affairs is currently investi-

gating the incident.

The confrontation developed when, following the drinking contest, an intoxicated male senior at Baker repeatedly asked a Baker freshman out for a date. The woman student repeatedly refused him. She then went to see her boyfriend — a DKE resident — to talk to him about the incident.

Between 1 am and 2 am, the boyfriend and another member of DKE entered Baker House — with hostile intent, according to one source — but failed to find the Baker resident.

At 3:30 am, a third member of DKE, who had had a past disagreement with the male Baker resident over a pool game, en-

tered Baker House and found the resident, according to several sources at Baker. But a number of his brothers followed — including the woman's boyfriend — trying to restrain him, these sources said. The confrontation quickly grew violent. Following a punch, the Baker resident fell backwards through the second-story window.

Baker House is now trying to ban from its premises the DKE member who allegedly threw the punch.

The woman said that she will not file harassment charges against the Baker senior; the Baker senior said he will not press charges against the DKE brother who allegedly punched him.

## Solar car team receives last-minute funding and is now en route to Australia

### Feature

By Paula Maute

In the eleventh hour, MIT's solar race car crew has managed to raise funds to fly to Australia for the Pentax World Solar Challenge, billed as the first transcontinental solar auto race. The race starts Nov. 1.

Five MIT students will race their 340 lb. car, *Solectria IV-B*, 2000 miles through Australia's deserts and inland cities, from its north coast to its south coast. It will take six or seven days of steady 35 mph driving to finish the race, said James Worden '89, the car's chief designer. His three-wheeled "race car" will compete against 25-30 solar vehicles from across the globe, including four cars from the United States.

Just one week ago, United Airlines agreed to donate round trip

air fares for five teammates to fly to Australia, according to Megan J. Smith G, the group's fundraiser. "It took about 30 phone calls on my part," to various airlines and MIT alumni associated with them, Smith said. MIT's Development Office helped Smith solicit funds during the past two months.

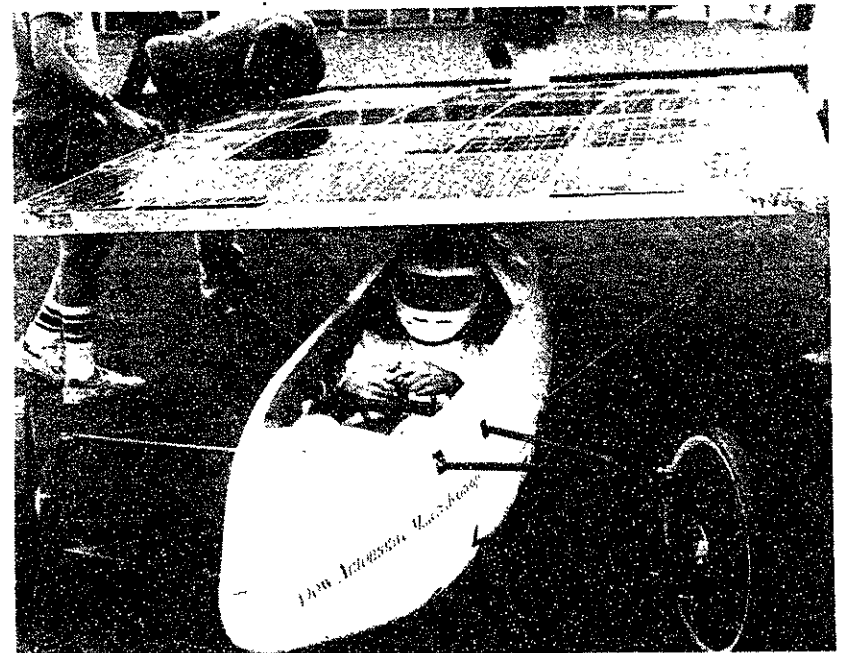
"We're psyched," Smith said, about the trip. She and the team's electronics specialists, Gill Pratt G and Robert J. Webster G, left for Australia on Saturday to re-assemble and test the car, which was shipped last week. Worden and Catherine J. Anderson '90, designer of the *Solectria's* wheels and brakes, are leaving today.

General Motors covered the cost of shipping the car to Australia, and provided garage space in Darwin, where the race will begin. Round trip air transport

for the car will amount to about \$17,000, Smith said. GM offered financial support to MIT's team a few weeks ago when it heard that funds were needed to ship the car. GM is also competing in the Australian race but in a different division, the "corporate" division. MIT is in the individual-university division. "GM and MIT have always had a good relationship," and they were excited about the race, she said.

Chances of beating corporate entries such as Ford or GM are slim, according to Worden, because they poured more money into their models and had full-time engineers to develop and build their models. "To be realistic... we can't really win in Australia... but I still think we can win in our division," Worden said.

"If we finish in the top (Please turn to page 18)



Lisette W. Lambregts/The Tech

James Worden '89 sits in his new car on Kresge Oval. Worden and four other students are currently en route to Australia to participate in the Pentax World Solar Challenge.

# Contra spectres haunt the road to San Dionisio

## Reporter's Notebook

*Daniel J. Glenn G is an architecture student who recently returned from his third trip to Nicaragua where he worked as a volunteer architect for five months. This is the second in a series of articles for The Tech relating his experiences.*

By Daniel J. Glenn

At nearly sundown on April 4, 1987, my co-worker Susan Atkinson and I were standing on a desolate dirt road somewhere in Matagalpa province, Nicaragua. We had come to Nicaragua as part of a non-profit architectural group called Earth Shelter to begin a housing project. We were on our way to the little town of San Dionisio to see another housing project under construction by Groundwork Institute, a group from Berkeley, CA.

We'd just been dropped off by a flatbed truck carrying a cement-mixer. The driver had said he was heading towards San Dionisio. We were relieved to be off that flatbed since at every bump we had worried the huge cement-mixer would break loose and roll back on top of us. We wouldn't have taken the ride in the first place, but you can't be too choosy when hitch-hiking in the late afternoon in a country at war.

It was getting dark fast, so we took off at a good pace towards San Dionisio. The driver had told us, "It's just over that hill." Many hills later, with no town and no cars in sight, we began to get a bit nervous.

Our nervousness was heightened by a report a friend of ours gave us as a farewell present when we left Managua and headed north to begin our work. The report was entitled *Nicaragua: The Contra Human Rights Record, July-December, 1986*. It was prepared by the National Commission for the Protection and Promotion of Human Rights.

"The road to San Dionisio was deadly still."

As Susan and I walked along on that moonless night I couldn't stop thinking about the report. The report documents "53 cases of serious human rights abuses committed by the *contra* forces operating in Nicaragua." Each case was based upon sworn testimony of eyewitnesses and victims of "human rights violations." Before we left Managua we had double checked the report to make sure San Dionisio was not on the list, but that wasn't much comfort as we hurried through the darkness.

In fact, the town of Matiguas was on that list and it was just northeast of San Dionisio. According to the report, "between December 8th and the 13th *contra* forces

swept through several communities in eastern Matagalpa, kidnapping 17 people, the majority of them coffee pickers working . . . at a number of private farms in and around the community of Matiguas. Over the course of two days, the *contras* raped six women and assassinated five men."

As I thought of that report, I was cursing myself inside for being such a fool, taking off hitch-hiking so late in the afternoon. It was Susan's first trip to Nicaragua, and I felt responsible for getting us into this situation. If anything happened to her, I would never forgive myself.

With no sign of another truck or car for miles, we picked up our pace to a half trot.

Jose Albino Rocha, a 20-year-old coffee-picker, was one of those 17 people kidnapped by the *contras* near Matiguas. In the report Rocha describes events he witnessed during a forced march with the *contras*. The following is part of his sworn testimony:

*A peasant was planting seeds. It was about 10:00 am. One of them [a contra], told him to follow him but he [the peasant] said no because he was planting. So they hit him with the rifle butts and kicked him . . . the peasant said it was better to kill him. The contra told him, "We're not here to please you," and he grabbed the machete the peasant had and with it he chopped his head off. Then a contra said, "Right here and now we're going to finish off all these 'sapos'" [Sandinista supporters]. They were telling us that they had the war practically won, and that they were the real democrats and that we were brain-washed.*

The road to San Dionisio was deadly still. Susan and I started to look around for a farmhouse to spend the night. "The driver told us there were no *contras* in the area," I reminded Susan. "Yeah, right," she said, "he also said San Dionisio was just down the road!"

I recalled that the report our friend gave us also discussed the new Code of Conduct that the *contra* leadership had prepared amidst accusations of human rights abuses. The *contras* sent copies of the Code to members of Congress just before the 1985 vote on \$100 million of *contra* aid. Article 14 of that code states:

*UNO/FDN combatants shall conduct their military operations in such a way that the innocent civilian population is always protected. The UNO/FDN shall warn civilians regarding possible danger . . . [and] persons not involved in combat . . . are entitled to respect for their lives and their physical and moral integrity.*

That new Code of Conduct helped convince Congress to give the *contras* the \$100 million, but it did little to quell Susan's or my fears or the fears of rural Nicaraguans.

One of the most frightening tactics of the *contras* is the use of land mines. According to the *New York Times* (July 19, 1986) they began buying large numbers of them shortly after receiving the \$100 million from Congress. On July 2, 1986, 34 civilians were killed when a bus hit one of those land mines. The dead included 12 children and 14 women. Eighteen members of one extended family were killed in the explosion.

The only survivor, Nicolas Castilblanco, a 47-year-old Protestant pastor, gave the following testimony:

*I can speculate that not only the army is the enemy but also all of us because they kill us with this. . . . To put [the mine] like that, for whatever passes . . . that is a lamentable thing . . .*

*Now I am scared to go in a vehicle, but for necessity one does it. The population becomes nervous when they know they have to travel . . . one lives with fear, with nervousness. One knows that he leaves his house but not if he's going to return.*

"they hit him with the rifle butts and kicked him . . . the peasant said it was better to kill him."

During that night Susan and I began to feel a little of the fear and nervousness that many Nicaraguans experience everyday. The *contras* have been terrorizing the Nicaraguan countryside since 1981. They are engaged in what the White House calls "low intensity warfare," in which small bands sneak down from Honduras and make hit-and-run attacks on farms, medical clinics, bridges, electrical stations, schools and other social and physical infrastructure. There does not seem to be any real pattern to their attacks. That randomness is what is so frightening. Nobody really feels safe.

Their effort appears to be an attempt to destroy anything (or anyone) that might be considered a triumph of the revolution. Enrique Bermudez, a military commander of the *contras*, made this very clear in statement to *contra* forces in 1986:

*Your principal orientation is to enter the . . . country and to destroy. You must . . . destroy anything you can . . . trucks, bridges, electrical plants — everything. You have been trained to destroy.*

A truck finally rolled by and picked us up that night. We squeezed in and joined a smiling crowd of Nicas packed into the back of the pick-up. That truck took us all the way into San Dionisio. Safe at last.



We are a worldwide network of student travel specialists and a one-stop travel shop. Special fares include EUROPE, the SOUTH PACIFIC and much more.

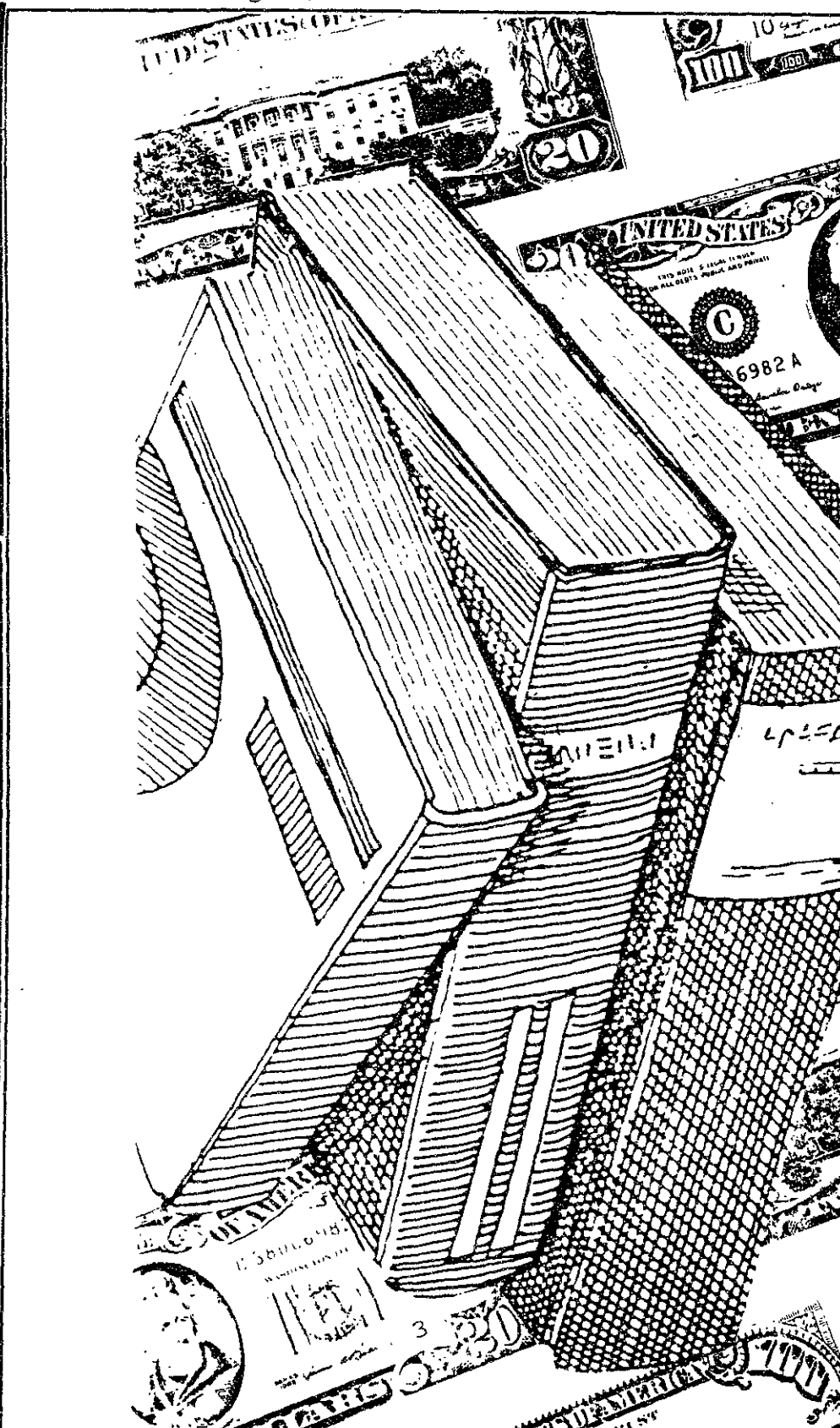
- Scheduled airlines ■ Rail passes
- International student I.D.'s

**STN STUDENT TRAVEL NETWORK** (617) 266-6014  
273 Newbury Street

**ELECTRICAL ENGINEERS WANTED**

Part-time and full-time positions available at small R&D company in Porter Sq., Cambridge. Close to MBTA. Positions involve hardware design (both TTL and microprocessor based) from prototyping, testing, PCB design, through manufacturing. Some assembly language programming with various processors helpful. Salaries commensurate with experience. Good opportunity for hands-on "real world" experience. U.S. citizenship required.

**TEK Microsystems, Inc.**  
2067 Massachusetts Ave.  
Cambridge, MA 02140.  
(617) 497-1200



Package Handlers Part-time

# MONEY FOR COLLEGE YOU DON'T HAVE TO PAY BACK!

Let UPS help you earn the extra cash you need to make it through school!

UPS has lots of steady part-time openings for male and female package handlers and sorters at \$8.9 an hour. Choose your own convenient 3.5 hour shift to fit around your classes.

UPS also gives you all the benefits of a full-time position on a part-time basis, providing great benefits including paid vacations, profit sharing, paid medical, dental & vision coverage. UPS also offers fantastic career advancement opportunities into management or other positions.

This year, don't borrow your way through school—EARN it with UPS!

Apply in person Monday-Wednesday 1pm-5pm, at the Personnel Office, 10 American Drive, Norwood, Route 1 South (Norwood Exit) off Route 128. Left on Everett Street.

**ups**  
**UNITED PARCEL SERVICE**  
Always an Equal Opportunity Employer

# news roundup

from the associated press wire

## World

### Trade sanctions imposed against Iran

President Reagan yesterday banned all goods imported from Iran. In a statement issued by the White House, Reagan also banned some US exports to Iran — including goods that could be used for military purposes. Reagan said the sanctions are to respond to "continued Iranian support of acts of terrorism."

### Human rights leader killed

The president of El Salvador's human rights commission has been shot to death, according to police and military sources. The sources said two men with handguns killed the official as he left his home in San Salvador. He is the fourth member of the private group to be assassinated since 1980; a fifth was kidnapped and has not been heard from since. Rightists claim the group has leftist tendencies.

### Kuwait tries to keep oil flowing

Kuwait is trying to keep its oil exports flowing while crews repair its oil terminal that was damaged by an Iranian missile. Kuwaiti officials said tankers will be diverted to a shallow dock to be filled partially — and then will be topped off by other tankers in the Sea of Oman.

### Soviet Jew allowed to emigrate

One of the Soviet Union's foremost Jewish activists was allowed to leave his country Sunday. Arriving in Vienna, Vladimir Slepak said, "It's unbelievable to be here, to be free." Slepak, who first applied to emigrate in 1970, traveled to Israel yesterday with his wife and one of his sons. Slepak said his release is a result of Western pressure rather than a change of Soviet policy toward Soviet Jewish emigration.

## Local

### Simon says US must fight hunger

US Sen. Paul Simon (D-IL) spoke at Harvard University on Sunday. He called hunger "the greatest of human tragedies," and sharply criticized the Reagan Administration from contributing to the problem. The Democratic presidential candidate said the United States should enter into partnerships with other nations to reduce hunger on a global scale. Simon said a major international effort is needed to assist Africa in its recovery.

## Nation

### Broker murdered as Dow drops 157 points

Miami police say a man who suffered heavy losses in the stock market recently opened fire in a Merrill Lynch brokerage office yesterday. They say one broker was killed and another critically wounded before the gunman turned the gun on himself.

Wall Street followed the lead of other world markets yesterday, and that meant another decline. The Dow Jones Industrial Average was down nearly 157 points. That came after big drops on markets in London, Tokyo, Hong Kong and Australia. The drop in the Dow was its eighth worst in terms of percentage. Trading ended two hours early — and will all week — to allow traders to catch up on paperwork.

### Kirkpatrick will not join race

Former United Nations Ambassador Jeane Kirkpatrick has ended speculation that she would join the Republican presidential race. In a statement issued Sunday, Kirkpatrick said she made the decision for personal and political reasons — but didn't specify what those were. The Democrat-turned-Republican won high marks from conservatives for her anti-communist stands while America's chief diplomat at the United Nations.

### Louisiana's Edwards gives up race

Louisiana's flamboyant Gov. Edwin B. Edwards (D) has given up his fight for a fourth term. After coming in second in Saturday's primary election, Edwards announced he would not compete in a runoff. The man who got the most votes — US Rep. Buddy Roemer (D-LA) — will be named governor-elect.

### Recall looms for Arizona governor

Leaders of a committee seeking to oust Arizona Gov. Evan Mecham (R) said yesterday that they have more signatures on recall petitions than the number of votes he received in last year's election. A spokesman said, "Evan Mecham is political history." The group hopes to force a recall election.

### Budget negotiations begin

President Reagan met with leaders of Congress yesterday at the White House to discuss cutting the federal budget deficit. Top Reagan aides will be on Capitol Hill today to begin working out the details of a package of spending cuts and revenue increases that must total at least \$23 billion. Presidential spokesman Marlin Fitzwater said both sides have agreed to stop blaming the other for a loss in confidence in the economy.

### Pilot grounded

The pilot of the Air Force fighter that crashed into an Indianapolis Airport hotel last week has been grounded pending an Air Force investigation. Air Force officials said the grounding is routine. The accident killed nine people. Officials said the pilot is still distraught about the accident. He bailed out just before the jet crashed.

## Sports

### Twins win series

The World Series belongs to the Minnesota Twins. They beat the St. Louis Cardinals 4-2 Sunday night at the Metrodome in Minneapolis to take the seventh and deciding game of the 1987 fall classic. It is the team's first championship since the franchise moved to Minneapolis in 1961.

The home team's win Sunday means that the visitors lost each of the seven games in the series — the first time that has ever happened in World Series play. Twins' lefthander Frank Viola was the winning pitcher in the decisive contest — he was also named the series' most valuable player.

## Weather

### Cloudy skies are coming

Now that the high pressure system is to our east, we are under the influence of weak warm air currents. The southerly winds will result in a warmer day today. By tomorrow morning, however, a well defined frontal disturbance will be knocking on our door, bringing rain to the region for Wednesday and clearing skies, in its wake, for Thursday.

**Today:** Mostly sunny skies will give way to increasing clouds by late afternoon/evening. High temperature will be 55-60°F (13-16°C) and winds will be southerly at 5-10 MPH (8-16 KPH).

**Tonight:** Clouds will infiltrate our region and rain will begin by morning. Low temperatures will only be 50-55°F (10-13°C) and winds will increase to 10-15 MPH (16-24 KPH) from the southeast.

**Wednesday:** We can expect clouds and rain with highs 55-60°F (13-16°C).

**Thursday:** Clearing and cooler. Highs 53-58°F (11-14°C).

Forecast by Robert Black

Compiled by Niraj Desai

**PEARLE**  
vision center



FREE

Pair of single vision eyeglasses\* with purchase of any pair of contact lenses! (\*Selected red tagged frames)

\*Plastic stock lenses. Power range ±4.00 cyl. pl. to -2.00.

Bausch & Lomb Contact Lenses

- Other lenses to choose from at similar savings
- Optional color contacts
- Eye exams available on premises
- Professional fees extra
- Offer expires 11/21/87

\$69

L



R



Open Sunday 12-5  
Mon-Fri 9-8, Sat 9-5

Twin City Plaza  
264 Msgr. O'Brien Hwy.  
Cambridge • 623-7522  
Turn at McDonald's

NOBODY CARES FOR EYES MORE THAN PEARLE

no other discount applies

## EQUAL OPPORTUNITY. STUDENT AFFAIRS. SAFETY. IAP POLICY.

If you are a Graduate Student concerned about any of the above issues, you may be able to serve on institute committees that address these issues.

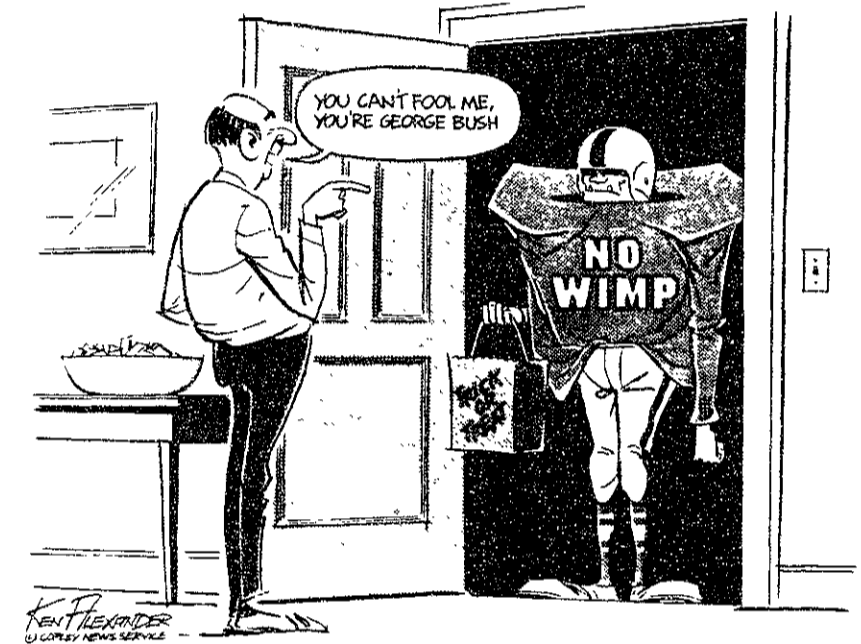
Contact Anne St. Onge, x3-2195 at the Graduate Student Council (GSC) office to apply for these and other institute committees.

Openings exist on the following committees (number indicates how many seats on the committee are available to graduate students):

Libraries(1)	Student Affairs (1)
Equal Opportunity (2)	IAP Policy (2)
Pre-Law Advisory Council (1)	Radiation Protection (1)
Safety (1)	Women's Advisory Board (2)
International Institute Commitments (1)	
Use of Humans as Experimental Subjects (1)	
Community Service Fund Board (1)	
Medical Consumers' Advisory Council (2)	

Hearings will be held on Monday, November 2, 1987 beginning at 2:30 p.m. Please call for an application, appointment, or other information.

# opinion



Column/K.J. Saeger

## US military strikes were small, direct

Buried in last week's news about the stock market decline was the swift and decisive action taken by President Reagan in the Persian Gulf. In retaliation for an Iranian attack on a US-flagged tanker, the Navy destroyed two Iranian oil platforms and boarded a third platform to destroy radar and communications equipment.

What is important about this event is not the fact that response was taken against Iran for its outrageous behavior in the world community, but rather the manner with which the response was taken. Under the leadership of Ronald Reagan, the United States has matured greatly, and is now learning to use force prudently and effectively.

Throughout the history of the United States, the use of the military has been an all or nothing proposition. Even in the Civil War in which brother fought brother, the concept of unconditional surrender was carried through with a frightening vengeance. This type of behavior spilled over into the twentieth century. At first the United States would stand unyieldingly behind isolationist policies, and then, with the western world on the brink of disaster, would be forced into a massive war.

This behavior seems not unlike that of the student, who, after spending all night on a homework assignment, does not have the energy to begin the next assignment until the night before it

is due. This endless cycle of "we hate war, so lets put off all fighting until all out warfare is required" was ludicrous and had to be terminated.

So, enter Ronald Reagan, a man more interested in the future than in the latest opinion polls, and America begins to change. The military has slowly become an effective part of foreign policy, not a knee jerk response to a failed policy, and not a substitute for policy as some liberal peaceniks would have us believe. This incorporation of the military has not been easy; much learning was required and a few storms of unfavorable public opinion had to be weathered.

Grenada exemplifies the beginning of this metamorphosis. Grenada was destined to become a staging area for Cuban and Soviet muscle flexing in the region. But Reagan, unlike his misty-eyed predecessor, had the courage and the vision to act quickly.

Carter's legacy from his unwillingness to act early in Nicaragua is a festering sore in the western hemisphere. Reagan, on the other hand, saw Grenada for the cancer that it was and quickly removed it. Being unpracticed in the art of this type of surgery, the operation seemed messy. The affair was, perhaps, a little heavy handed, but the learning process had begun.

The next phase of this evolution came in the conflict with Libya. This country, run by a

(Please turn to page 5)

# The Tech

Volume 107, Number 44 Tuesday, October 27, 1987

**Publisher** ..... Michael J. Garrison '88  
**Editor in Chief** ..... Earl C. Yen '88  
**Business Manager** ..... Mark Kantrowitz '89  
**Managing Editor** ..... Ben Z. Stanger '88  
**Production Manager** ..... Ezra Peisach '89

**News Editors** ..... Mathews M. Cherian '88  
 Andrew L. Fish '89  
 Akbar A. Merchant '89  
**Night Editors** ..... David B. Plass '90  
 Mark D. Virtue '90  
**Arts Editors** ..... Peter E. Dunn G  
 Jonathan Richmond G  
**Photography Editors** ..... David M. Watson '88  
 Kyle G. Peltonen '89  
**Advertising Manager** ..... Halvard K. Birkeland '89  
**Contributing Editors** ..... V. Michael Bove G  
 Julian West G

### ARTS STAFF

Barbara A. Masi G, Mark Roman '87, David Saslav '87, Julie Chang '89, Ricardo Rodriguez '91.

### PHOTOGRAPHY STAFF

Rich R. Fletcher '88, Tom Coppeto '89, Victor Liau '89, Joyce Ma '89, Ken Church '90, Lisette W. Lambregts '90, Mike Niles '90, Sarath Krishnaswamy '91, Mauricio Roman '91, Alice P. Lei; **Darkroom Manager:** Mark D. Virtue '90.

### BUSINESS STAFF

**Advertising Accounts Manager:** Shari L. Jackson '88; **Staff:** Frannie Smith '90, Genevieve C. Sparagna '90, Isabel Y. Yang '90.

### PRODUCTION STAFF

**Associate Night Editor:** Marie E. V. Coppola '90; **Staff:** Illy King '89, Eric Brodsky '90, Jeeyoon Lim '90, Daniel Peisach '90, Stacy A. Segal '90, Ajay G. Advani '91, Jabin T. Bell '91, Scott R. Ikeda '91; **TEN Director:** Halvard K. Birkeland '89.

### PRODUCTION STAFF FOR THIS ISSUE

**Night Editor:** ..... V. Michael Bove G  
**Staff:** Peter E. Dunn G, Katie T. Schwarz '86, Michael J. Garrison '88, Halvard K. Birkeland '89, Mark Kantrowitz '89, Ezra Peisach '89, David B. Plass '90, Mark D. Virtue '90.

The Tech (ISSN 0148-9607) is published Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$14.00 per year Third Class by The Tech, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139-0901. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 95720. **POSTMASTER:** Please send all address changes to our mailing address: The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139-0901. Telephone: (617) 253-1541. **Advertising, subscription, and typesetting rates available.** Entire contents © 1987 The Tech. The Tech is a member of the Associated Press. Printed by Charles River Publishing, Inc.

## feedback

### Why IAP group "rocks the boat"

To the Editor:

We of the IAP policy committee thank *The Tech* for its article on the changes we are considering recommending for future IAPs ["MIT considers IAP changes," Oct. 20]. You have helped institute a lively discussion. The questions must have input from all affected people at MIT. We have good student representation on the policy committee, but we welcome contributions from everyone.

Darrel Tarasewicz's article was a fair representation of our position. But many of your correspondents have misinterpreted the situation in two respects.

- Our belief that many undergraduates were not involved in broadening activities in IAP was based on many years of analysis of surveys, student-filled questionnaires, and attendance reports, not on just some small set of diaries completed in IAP '87.

- Those diaries were completed by students who were both here in the area and away at home or elsewhere. Moreover, the graduate student who analyzed the diary data defined what he felt were productive activities, and included among them working for pay during IAP, and such near-social visits as going to one's former high school. His definition of nonproductive activities was really pretty narrow, and yet it included a great deal of student time.

What we, all of us, have to decide is whether or not this situation is a problem. MIT is taking tuition money from undergraduates for nine months of education, and many students are getting only eight months' worth. IAP is a very popular time. The

faculty gets to work on research, papers and proposals. Graduate students, TAs, and seniors work on their theses full time. Other undergraduates enjoy the break from classes.

Why, then, should we rock the boat? One reason is that two interested groups have not been asked for their opinions. One group is that of the parents and others who pay tuition bills. We know that everyone else at MIT will always vote for fewer requirements, but will the people who pay vote to have less for their money? The other group is

composed of employers, who have criticized us for allowing MIT students to graduate without, some of them feel, sufficient breadth.

It is not at all certain that the IAP policy committee will propose any sweeping changes, not, if it does, that its recommendations will be accepted by the faculty. But it is right that we periodically question what we are doing, and we welcome enthusiastically the involvement of your readers in the debate.

David Gordon-Wilson  
 Chair, IAP policy committee

### IAP survey results don't reflect student views

[Editor's Note: The Tech received a copy of the following letter addressed to the MIT Independent Activities Period Policy Committee.]

To the members of the MIT IAP Policy Committee:

We, the undersigned, would like to comment on your recent proposals to change IAP and on the issues raised in the October 20th issue of *The Tech*.

First, we believe that the survey did not accurately reflect the actions of the MIT undergraduates. Your sample was only 1 percent of the student population, and there is too much room for error in such a survey. So, most of the conclusions based on the survey should be re-evaluated.

Second, we realize that IAP activity attendance must be low, or the committee would not be studying this problem. But why look only at the students when

laying the blame? Look also at some of the activities. "Real Estate Development" and that series of seminars, for example, may be interesting for a few people in the MIT Community, but not for the majority.

Events like the holography lecture Prof. Stephen A. Benton '63, as well as many other lectures on more widely-enjoyed subjects, did very well. "Freshman Explorations" did well this R/O week. Why not encourage some of the faculty and students who participated in those events to run IAP activities?

Other activities that seemed to do well were those that the departments themselves set up and organized. For instance, the lab tours, seminars, and lectures of the departments of biology and applied biology had, for the most part, good attendance, probably

(Please turn to page 7)

# opinion

## feedback

### Nobel Peace Prize is also an award for hope

To the Editor:

K.J. Saeger's column in *The Tech* ["Peace prize rewards useless effort," Oct. 20] on the Nobel Committee's decision to award Costa Rican President Arias their Prize for Peace is deeply disturbing.

It is disturbing not because of other possible worthy candidates. Surely the history of the Nobel selections in the fields of physics, chemistry, and literature have left a hollow feeling among thoughtful people that some other worthy candidate was passed over.

It is disturbing not because of Saeger's political realism, which puckishly suggests President Reagan as a fitting candidate. Such realism can be characterized as naive at best and more accurately as absurd.

What is disturbing is his demeaning of the efforts of Walesa, Tutu, Corrigan and Williams, and yes, Henry Kissinger (No Le Duc Tho? How about Martin Luther King Jr.?) Saeger's realism looks upon their efforts as futile.

To underscore his point Saeger pokes other Nobel Laureates,

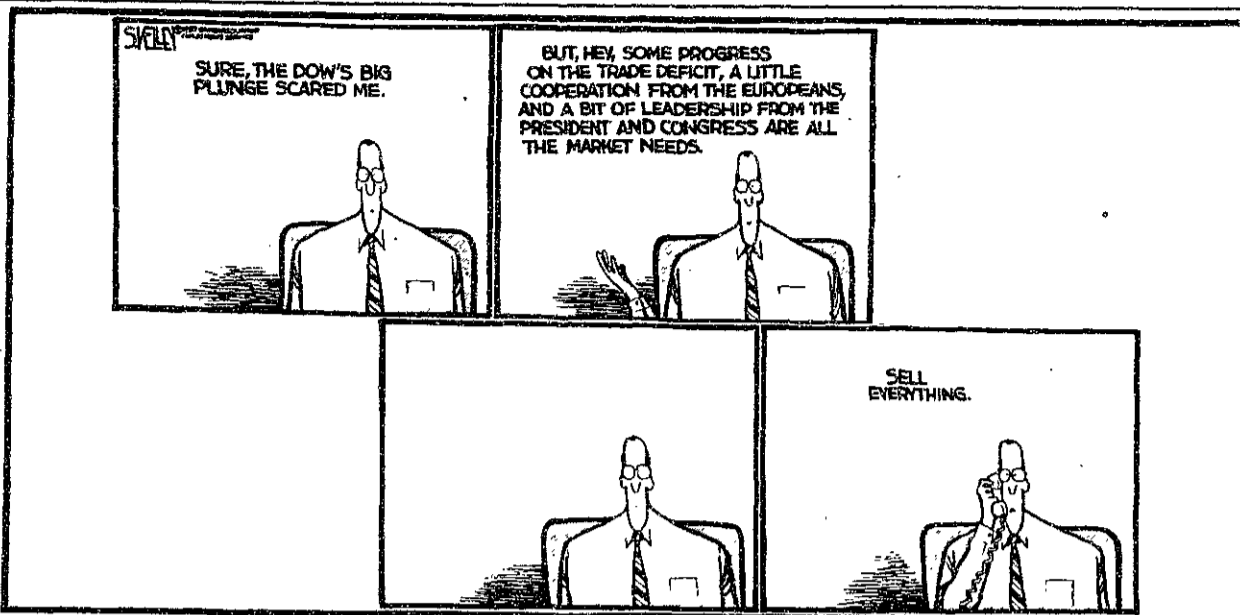
Mother Teresa and Albert Schweitzer, as passing the "grandiose futility" test but being, after all, mere humanitarians. Hardly a match for Saeger's pantheon of laboratory realists.

Prestigious women and men of science, and not a few Nobel Laureates, who refuse to support weapons research and bio-chemical warfare understand and applaud the efforts of such futile humanitarians.

There's a smugness in the column which masks a vacuousness of the human spirit. The futility with which Saeger cloaks the efforts of such noble people is profoundly wrong. Their efforts have brought the most desperately needed dimension to the human enterprise — hope.

It is hope, not the realism of El Salvador's death squads, Pinochet's police, or the Key Stone Cops world of Reagan, Casey, and North, which enables physicists in their labs and public servants such as President Arias to continue the struggle for human understanding.

Bernard J. Campbell  
Catholic Chaplain, MIT



### US only fired warning shots at Iran

(Continued from page 4)

maniac, had decided that the optimum means of implementation of its policy objectives was to declare war on innocent civilians around the world. Also, in much the same way as it redrew its boundaries with Chad, Libya drew a "Line of Death" in order to capture international waters.

This type of behavior could not be and was not tolerated. As soon as evidence was obtained linking Libya to terrorist attacks, action was taken. The precision strike conducted in retaliation was not very precise, but it was effective. Again, America was learning.

Now, the United States is reaching maturity in the Persian Gulf. All confrontations with the Iranians so far have been careful, measured, and precise. On September 21, when the Navy captured the Iranian mine layer *Iran Ajr*, I was reminded of the old western movies in which the prin-

ciplined gun fighter is faced with a belligerent pistol waving drunk in the streets. Instead of shooting the drunk between the eyes, the shootist instead shoots the gun out of the derelict's hand. No real harm has been done and the drunk is now free to rethink his position.

In a similar analogy, this most recent event in the Gulf reminds me of an expert swordsman. Provoked to the point where any response is justified, Lady Liberty chose not to run Iran through with her sword, but instead quickly carved her initials in Iran's war furrowed brow. Again, the loss of life is minimal and Iran is reminded of the true caliber of its opponent.

In Julian West's world of cosmic oneness ["Arias deserves Nobel Prize," Oct. 23], no need for the military would exist. I am sure that he and other like-minded liberals consider any use of force as a gross display of na-

tionalistic machismo. I, however, do not believe that the United States must stand idly by while being harassed by petty dictators. This type of liberal self-flagellation is sickening and irresponsible. When dealing with lawless regimes, the use of force is both necessary and effective.

Iran is being taught two lessons. No, the United States does not want open warfare in the Gulf, and no, the United States will not tolerate international hooliganism.

Hopefully, the American people are learning some lessons also. Yes, Ronald Reagan is acting in the best interests of this country and of the free world, and yes, Congress should mind its own business and continue doing what it does best, nothing.

K.J. Saeger, a graduate student in the department of aeronautics and astronautics, is a columnist for *The Tech*.

Do it in the  
Be a "Tech" photographer!



# HUGHES ON CAMPUS

Interview  
Sign-Up  
and  
Information  
Day...

For Graduates In:

- Electrical Engineering
- Computer Science
- Mechanical Engineering
- Physics
- Math
- Aeronautical Engineering

Interview Sign-up / One Day Only

Wednesday, October 28

9 a.m.—3 p.m.

Lobby 13

- Please bring 6 copies of your resume.

**HUGHES**

# What do we have that the rest of Wall Street doesn't?

Prudential-Bache Capital Funding presents an overview of  
opportunities in Investment Banking

Wednesday, October 28th, 7pm. Building 8 - Room 119

Prudential-Bache Capital Funding 

# opinion

## feedback

### Requiring or eliminating IAP would be a mistake

(Continued from page 4)  
because the several series that they set up were fairly cohesive, and the lecturers were good. The more interesting the topic, the more students will show up.

Another reason that students may not be attending even the interesting events is that many students work full-time during IAP to pay their tuition. More evening and weekend seminars should be added.

In addition, you seem to discount the "unofficial" IAP activities such as seeing Boston or going to museums. The pace of MIT often prevents many students from taking advantage of such things during the term. Is going to the MFA during IAP "unproductive" or should they just study their art history books instead?

We realize that there are problems with IAP. But we don't think that shortening it to one week and adding "IAP days" during second term is the answer. The MIT administration keeps talking about the pace and pressure of MIT and how they are going to reduce it. Frankly, we don't think it can be reduced within the term without radically changing MIT, which would be difficult.

But shortening IAP would be taking away one of the biggest pressure valves we have. Many students really need the six weeks between terms to be effective during second term. What is wrong with socializing with people? Is MIT grooming leaders or machines? During the term it is often difficult to keep up with friends. If all we do is study, what kind of people will we be?

The "techy" mentality may work well enough here, but once we get out, we will have to deal with people, and then where will we be? We disagree with the categorization of socializing as "unproductive."

If IAP is shortened it would hit hard on students beginning UROPs. It is very difficult to start a new project or get adjusted to a new lab while working only 10-12 hours per week. Cutting IAP would also affect those students who depend on their IAP income to pay tuition.

The suggestion of having IAP days during spring term will probably not solve the problem it is set out to solve. We sincerely doubt that the attendance at these events will be any higher, in fact it may get worse. In students' minds, the coursework is going to take precedence over going to an "extra" seminar or lecture. There isn't enough time to do it all.

We also feel that requiring students to go to IAP events is a misguided idea. We have enough requirements. Why make a student go to something he/she is not interested in?

Also, requiring students to be on campus would be unfair to international students and those students who live far away. Because of expense, many of these students only go home during this time because it is worth the airfare to be home for several weeks. Some would not go home for a two week break. Is that fair to them?

In addition, many students, especially freshmen, need more than two weeks at home to reacquaint themselves with their families and friends.

What we suggest is for MIT to offer several optional three or six unit classes that are based on some of the more popular classes, especially humanities

classes. Many students would like to take more humanities courses, but they cannot because of conflicts with their departmental requirements. Also, students would probably be interested in IAP versions of some of the freshman and undergraduate seminars. Often students decide against taking a seminar when faced with a heavy course load.

Something like last year's Freshman dinner where speakers focused on choosing a major would be good. Similar themes could be found for all classes (beginning career plans for sophs, grad school plans for juniors, and interview tips for seniors). It need not be a dinner, just some sort of forum where students could get answers to frequently asked questions.

If more 12 unit classes are offered there is also the danger that some students would load up on IAP credit in an attempt to graduate early and save tuition. We don't think that IAP should become just another winter term, such as many other schools have. This program is unique and a good one that convinces many people to come here. It is supposed to be a relaxed time of learning and exploration. Please don't impose Add Date onto it.

Prof. David Gordon Wilson made a comment about how students seem to want structure, seem to want to be told what to do. Well, is the real world, outside of the 9-5 existence, of course, going to tell us what to do? Where are we going to learn to set priorities if not here?

Finally, it seems as though a major reason behind all of these proposals for change is Margaret MacVicar's question of "whether

the expense of keeping MIT open during January can be justified." Truthfully, we all know that MIT is not here just as an educational institution. It is a researcher's dream, and MIT would still be open to a large extent whether

the students were here or not. What would really close?

In conclusion, although we realize that there are problems with the program, we believe that the committee's present suggestions will not serve their intended pur-

pose and that they are unacceptable. Other proposals must be found.

Aimee Smrz '88  
Mary Condello '89  
Nicholas Nerman '89  
and 64 others

## EMPLOYMENT OPPORTUNITIES IN JAPAN



Bi-lingual? Interested in learning about career opportunities in Japan?

Shushoku Joho, the employment journal of Japan, provides information on opportunities with prestigious Japanese and foreign capital companies operating in Japan.

To receive the latest news in career opportunities in Japan, free of charge, please dial (800) 423-3387 in California; (800) 325-9759 outside California.

A service of Recruit U.S.A., Inc.  
"We Communicate Opportunity"

Note: This publication is written in Japanese.

## GREAT FOOD. GREAT PRICES.



## AND NOW FOR THE CATCH.

Today's catch is Boston Schrod. Tomorrow it could be Atlantic scallops or jumbo shrimp. The duckling in raspberry sauce is also quite a catch. Or how does a hearty deli sandwich with something from the bar sound? Well, no matter what you choose, it'll be served the original S&S way. Fresh. Delicious. And plenty of it. So come to the S&S and catch up on the good times.

S&S

Restaurant

A Great Find Since 1919.

Breakfast, Lunch, Dinner. Mon.-Sat. 7:00am-12:00pm, Sun. 8:00am-12:00pm. Inman Square, 1334 Cambridge St., Cambridge, 354-0777.

THE FAMILY SUGGESTS THAT MEMORIAL CONTRIBUTIONS BE MADE TO THE AMERICAN CANCER SOCIETY

— words that mean people want to honor a loved one and want to help conquer cancer. Send a Memorial Gift to your local ACS Unit.



This space donated by The Tech

The 50 year tradition continues...

# SKUFFLE

Saturday October 31

Tickets: Lobby 10  
couples \$4  
single \$2.50

ΦΚΣ  
530 Beacon  
Boston

See the 20 foot skull  
Crawl through the Tunnel of Horrors  
Hear live music by the Beachmasters

## The Undergraduate

Association would like to congratulate Octavio Ortega and Mark Kaufman on their selection as UA Store manager and assistant manager, respectively.

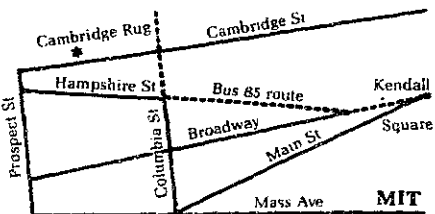


### 9' x 12' Rugs Starting at \$79.95

Top Quality Remnants and Room-Size Rugs at Low, Low Prices

Wide Selection • Convenient Location

Cambridge Rug Co.  
1157 Cambridge St.  
Inman Square Area



354-0740

### Athena Minicourse Schedule

November 1987

All minicourses are taught in the Training Center behind the Athena Cluster in Building 11 (look for signs along the infinite corridor). The prerequisite for the three advanced Scribe minicourses is either Basic Emacs plus Basic Scribe or Word Processing. Scribe Reports is the recommended prerequisite for Scribe MITThesis. Look for the Minicourse Index at any cluster for details.



Date	Nov	At Noon	At 7 pm	At 8 pm
Wed	4	Word Processing	Basic Emacs	Basic Scribe
Thu	5	Basic Emacs	Basic Emacs	Basic Scribe
Mon	9	Basic Scribe	Basic Scribe	Basic Emacs
Tue	10	Word Processing	Basic Scribe	Scribe Math
Wed	11	<b>Veteran's Day - No Classes</b>		
Thu	12	Word Processing	Scribe Reports	Scribe MITThesis
Mon	16	Scribe MITThesis	Scribe Reports	Scribe MITThesis
Tue	17	Scribe Math	Scribe Math	Scribe Reports
Wed	18	Scribe Reports	Scribe MITThesis	Scribe Math
Thu	19	Scribe Reports	Scribe MITThesis	Scribe Math
Mon	23	Scribe MITThesis	Scribe Reports	Scribe MITThesis
Tue	24	Scribe MITThesis	Scribe Reports	Scribe MITThesis

## Computer Science and Electrical Engineering Students

Join us at an Information Session  
Thursday, October 29th  
5:30 - 7:30 p.m.  
Room 4-149



330 Billerica Rd.  
Chelmsford, MA

An equal opportunity employer



### WINTER SEMINAR IN ISRAEL for STUDENTS OF SCIENCE AND TECHNOLOGY

December 27, 1987-January 11, 1988

#### SPEND I.A.P. IN ISRAEL!!

Meet with professors and researchers at major Israeli universities, professionals in successful high technology businesses, and peers — former Americans as well as native Israelis — working in these areas. Sites of historic significance will be visited in the Jerusalem-Tel Aviv areas, the Galilee, and the Negev. Also included will be special political and military briefings on location, visits to kibbutzim and settlements, cultural experiences, and social events.

#### Highlights of the Seminar include:

- Visit to the Desert Research Center
- Meeting with Soviet Jewish scientists
- Visit to a high technology moshav
- Tour, meet with former Americans at major Israeli industries such as Tadiran Electric, Elbit

#### Optional Internship:

Placements in Israeli industry or academic research during January. Internship costs are additional.

#### Trip Extensions:

Stay on your own. No additional program costs.

#### Applications:

Are available at MIT HILLEL, 312 Memorial Drive, 253-2982. Application deadline is November 25.

Sponsored by MIT Hillel and the National B'nai B'rith Hillel foundations.

ARTS

# The triumphant homecoming of Carlos Prieto '58

**MIT SYMPHONY ORCHESTRA**

Conducted by David Epstein.  
With Carlos Prieto '58, soloist.  
Program of works by Dvorak,  
Beethoven and Ives.  
Kresge Auditorium, October 24.

By JONATHAN RICHMOND

**C**ARLOS PRIETO '58 proved himself to be an "exceptionally competent performer" with an "excellent technique for an amateur," wrote *Tech* music critic Daniel B. Schneider on December 13, 1955.

Schneider was reviewing Prieto's solo performance with the MIT Symphony Orchestra (of which he was principal cellist), of Haydn's *Concerto for Cello in D*. Prieto's interpretation, said Schneider, was "sensitive and displayed a fine understanding of the work."

Neither Prieto nor Schneider could know at the time that not only would Prieto become a world-renowned professional cellist, but that he would return to give a triumphant performance with the MIT Symphony Orchestra 32 years later.

Prieto was interested in mathematics and physics as well as music, and MIT was a place where he could indulge in all these activities. He received bachelors degrees in both materials science (then known as "metallurgical engineering") and economics and went on to work in the Mexican steel industry for the next 20 years. Then, at age 39, he decided to make music his life and spent several summers studying with Leonard Rose in New York. In 1981 he was declared "Outstanding Soloist of the Year" by the Mexican Association of Music Critics.

It was especially fitting that Prieto was in town the weekend following the launch of MIT's major new fund drive, and that many alumni were evident in the packed-out Kresge Auditorium to add to the crowd of hundreds of enthusiastic MIT students. Prieto is a symbol of the richness and breadth that can come out of an Institute that belies MIT's ill-informed reputation for narrowness.

Prieto launched into Dvorak's *Cello Concerto* showing that he has an extremely firm and sharply-controlled tone. His attack was fluent, powerfully projected and delivered with confidence and precision.



Carlos Prieto performs with the MIT Symphony Orchestra in 1955 (*Tech* file photo)

Prieto's style, then, is decisive, but who is to say that a torreador cannot be a full-blooded romantic too? For the *Adagio ma non troppo* Prieto's bow danced with intense lyric beauty; his is a virtuosity of substance, of depth, but without schmalz; it is the work of a thinker.

If Prieto was totally involved in the music, so too was Epstein's Symphony Orchestra, playing with all the profundity they could muster. Prieto commented in a post concert interview that playing with the orchestra had been a "thrilling experience," and one only needed to listen to the sensitivity and control of the strings, the resilience of the brass, or the masterful interaction between the pensive, fragrant winds and Prieto's solo instrument to see why. A sweet, dreamy flute, soft-colored

oboe, cellos with the flexibility to highlight the changing moods of their solo brother on stage combined to great effect; all sections of the orchestra performed as never before to make the event pure bliss.

There was one moment in the second movement when time seemed to stop; the multiple layers of sound came together to create a vision of myriad dimensions, one of gentleness and reflectiveness, cleansing, puritive, perhaps the most beautiful moment in the history of the MIT Symphony Orchestra.

The closing movement built up to a climactic conclusion: soloist and orchestra were united in a rare display of disciplined technique and heart-felt musicality.

There were two other works on the program. *Decoration Day*, by Charles Ives,

started the concert off, and also elicited a strong performance. There is one point in the music where the orchestra has to mimic the mildly punch drunk, sometimes out-of-tune rendition of marches as often played by small-town bands. Epstein got the effect just right; it was live with humor.

The concert ended with Beethoven's *Symphony No. 7*. I believe this choice was a mistake. The program already had a major favorite — the Dvorak concerto — on offer. The 7th Symphony is an extremely difficult work to pull off successfully without masses of rehearsal time, and it was just too much to manage in one evening.

The *Allegretto* came off the best; there was some care in its shaping, and a meditative quality to several passages. Overall, however, the symphony came across as ill-shaped and lacking in cohesion. Too often ensemble work fell apart, with strings often sounding strained and unsure.

To quote Prieto again, "to find such a quality, that even sometimes sounds professional, is amazing." The MIT Symphony Orchestra is one of MIT's most precious assets. A little more care in programming, however, would allow them to be consistently displayed at their finest, and introduce new repertoire to the orchestra's members and their audience as well.



Carlos Prieto today



ED METZGER AS  
**Albert Einstein:**  
**THE PRACTICAL BOHEMIAN**

Tuesday, November 3, 8:00 P.M.  
Kresge Auditorium, MIT

Tickets: \$1.00 with student ID  
\$3.00 with MIT community ID  
\$5.00 general admission

Available from MIT Hilllet, 312 Memorial Dr., Cambridge MA 02139 OR at the door  
Sponsored by MIT Hilllet and Dept. of Physics  
For additional information, call 253-2982

## FILM

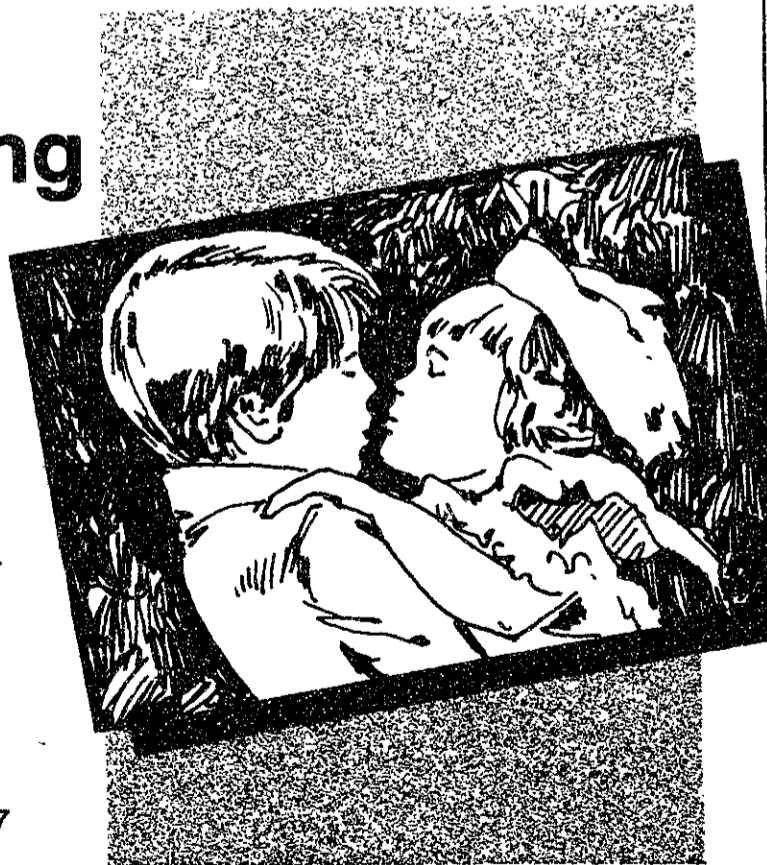
WE'VE GOT IT!

Film  
Developing

only 99¢

Focus on great savings at the Coop. Bring in your 12 exposure, 15 exposure Disc or 24 exposure color print film and pay only 99¢ for developing.

Offer good Tuesday, 10/27 to Saturday, 10/31, 1987.

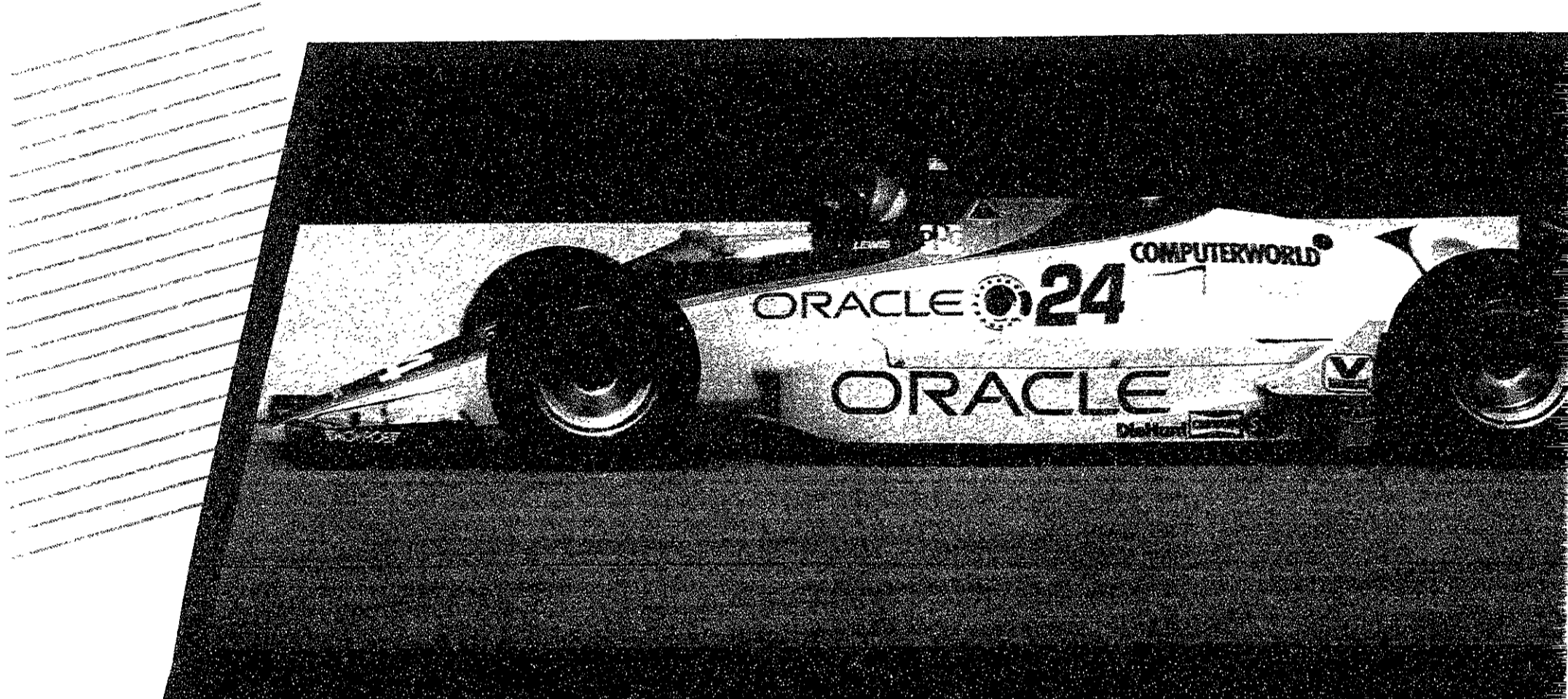


MIT COOP AT KENDALL  
3 Cambridge Center,  
M-Fri 9:15-7pm  
Thurs. 12:30-3:30  
Sat 9:15-5:45pm

PARK FREE IN KENDALL SQ\* Kendall Sq • 2 hrs M-Fri - One Memorial Drive Parking Garage or after 5pm weekdays and all day Saturday at Cambridge Center Garage.  
\*With sales receipt showing \$5 minimum Coop purchase: validate parking ticket at Coop Cashier's desk.  
Coop Charge, MasterCard, Visa and American Express welcome.

the  
**Coop**

# *The Fast Lane Is For Winners*



## **ORACLE®**

*The world's fastest growing software company and largest vendor of database management software and services*

### **THE PAST**

Oracle Corporation's revenues have more than doubled in nine of our ten fiscal years (the other year we grew 91%). This unprecedented growth is the direct result of the focused efforts of our unparalleled, company-wide team of super-achievers.

### **THE PRESENT**

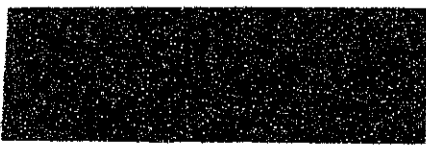
A 1987 Software News survey ranks Oracle as the ONLY top-five supplier of software for mainframes, minicomputers and personal computers. ORACLE, our SQL-based, relational database management system, and our family of application development tools and decision support products are emerging as industry standards for every class of computer.

### **THE FUTURE**

If you are accustomed to success with an uncommon insistence on doing everything well, you can become part of this growth. We are recruiting now to staff our expansion of service and product offerings around the world. Join Oracle team and help us continue our record of success.

**We are recruiting for positions in Marketing, Consulting, Development, Finance, International and other areas within Oracle. If you are interested in opportunities at Oracle, please call or write:**

**Larry Lynn  
Oracle Corporation  
20 Davis Drive  
Belmont, California 94002  
415 / 598 / 8183 or 8124**



## ARTS

## French quartet impressive in challenging program

### QUATUOR VIA NOVA

Performing Schubert, Ligeti, and Ravel.  
Alumni Auditorium,  
Northeastern University.  
Tuesday, October 20th, at 8 pm.

By DAVID SASLAV

THE INTERNATIONALLY RENOWNED, multiple award-winning string quartet *Quatuor Via Nova* performed with great distinction last Tuesday night at Northeastern. Their music-making was meticulous, if not always totally accessible.

The program was a taxing one, at times unconventional, constantly challenging. The transitions (from Schubert's "Rosamonde" quartet to a 20th century work by Gyorgi Ligeti, then on to Ravel) were abrupt, but not disconcerting. And the music they produced was consistently sound.

The first two movements of Schubert's "Rosamonde" *Quartet in A minor*, Op. 29, No. 1, have *lieder*-like qualities; the first violin provides a melody, while the other three instruments mostly accompany. Jean Mouillère's first violin playing seemed almost distracted at times, his face carrying a pained expression throughout the concert. But Cellist Jean-Marie Gamard provided strong, sonorous support in the *Menuetto - Allegretto* third movement, and a lively, rich *Allegro Moderato* brought the work to a close.

Next came *Metamorphoses Nocturnes* by Ligeti. It was performed with a panache and determination that made it every bit as endearing as the Schubert.

Particularly engrossing was an extended passage in which all four instruments simultaneously produced high string harmonics on different strings; suddenly, individual voices would break away to investigate further the work's principal four tone row, then return to the group in



Quatuor Via Nova

preparation for another instrument's departure. Two-octave slides, detuned unisons, and muted string passages combined to make this a memorable work, memorably performed.

But beyond a doubt, the highlight of the evening was the group's rendition of Ravel's *F Major Quartet*. The idiomatic French gestures of Ravel's hand were sprinkled with savory subtlety. The post-romantic harmonies and dynamic swells were

performed intimately, faithfully, and with a fondness borne of mastery. Violist Claude Naveau and second violinist Jean-Pierre Sabouret deserve special praise for their unobtrusive yet rich interplay with the outer voices.

The group's performance was so appreciated by the audience that upon fourth curtain call they provided an encore: the *Molto Allegro* from Mozart's K. 387 *Quartet*. The quartet took this lively, off-

beat movement to wondrous heights, sparing no efforts to please the sadly sparse crowd who showed up for the concert.

*Quatuor Via Nova* won the *Grand Prix du Disque Français* in 1975 for its recording of Mozart's "Haydn" quartets, and the standing ovation which followed the encore was indication enough that the quartet would be more than welcome back in Boston with an all-Mozart concert.

## Unimaginative and shallow story line compensated by performances



Charlie Sheen is threatened by Randy Quaid in *No Man's Land*.

### NO MAN'S LAND

Directed by Peter Werner.  
Starring Charlie Sheen, D.B. Sweeney,  
and Lara Harris.

By RICARDO RODRIGUEZ

WHEN I FIRST LEARNED of *No Man's Land*, I figured the film was just an excuse to get Charlie Sheen on screen while he was still hot. Though that's probably the case, *No Man's Land* is nevertheless an entertaining film, if nothing else.

Charlie Sheen plays Ted Varrick, a 22-year-old who has made a rather profitable business out of stealing Porsches. D.B. Sweeney (the young soldier in *Gardens of Stone*) is Benjy Taylor (no joke!), a genuine "mom and apple pie" rookie on the police force. Taylor is given an undercover assignment as a mechanic in Varrick's auto shop, with the purpose of gaining evidence to prove that Varrick killed a policeman.

At first Taylor can't believe that Varrick could kill anything, especially not a cop. But Taylor's judgement becomes increasingly blurred as he attends more parties, steals more cars, and in general begins to

enjoy his assignment a little too much. Taylor's romantic involvement with Varrick's sister, Ann (Lara Harris), certainly doesn't help Taylor keep his mind on his assignment either.

The story line is clearly unimaginative and shallow, but this is somewhat compensated for by the performances of Sheen, Sweeney, and Harris. Admittedly, the roles aren't that challenging, but all three actors do a good job of keeping the characters interesting. Sheen is refreshingly icy as a bad guy, and Sweeney fits his character very well. Lara Harris' screen presence and unconventional beauty round out the film well.

One big flaw in *No Man's Land* is the utter facility with which the Porsches are stolen. In this film, the characters "go to the mall" not to shop, but to cruise the parking lot in search of a good Porsche to steal. Also included are ridiculous (or maybe not so ridiculous) tips and strategies on how to successfully take a car.

The biggest mistake the film makes, however, is not utilizing Randy Quaid (playing Taylor's superior) to the fullest. Quaid's character is left grossly underde-

(Please turn to page 13)

**Budget Airfares**  
Round Trips from BOSTON  
Fares start at:

LUXEMBURG	348
LONDON	369
PARIS	428
SYDNEY	1095
HONGKONG	749
CARACAS	360

Taxes not included.  
ALSO: International Student ID, Youth Hostel Passes and EURAIL Passes issued on the spot!  
Call for FREE CIEE Student Travel Catalog!

**COUNCIL TRAVEL**  
BOSTON CAMBRIDGE  
[617] 266-1926 [617] 497-1477

## Interested in BASKETBALL CHEERLEADING

call

Jennifer or Chris  
225-8629 225-7104

## "TURKEY: The West's Bridge to the Middle East"

by

Dankwart Rustow

— Distinguished Professor of Political Science and Sociology, City University of New York  
— Author of *Turkey: America's Forgotten Ally; Oil and Turmoil*

Tues., Oct. 27  
4:30 p.m.

E51-332 (Schell Rm.)

(open to public)

Sponsored by: **Bustani Middle East Seminar,**  
Center for International Studies, M.I.T.

# BOOKS

**WE'VE GOT IT!**

## Introducing Philip and Phylis Morrison

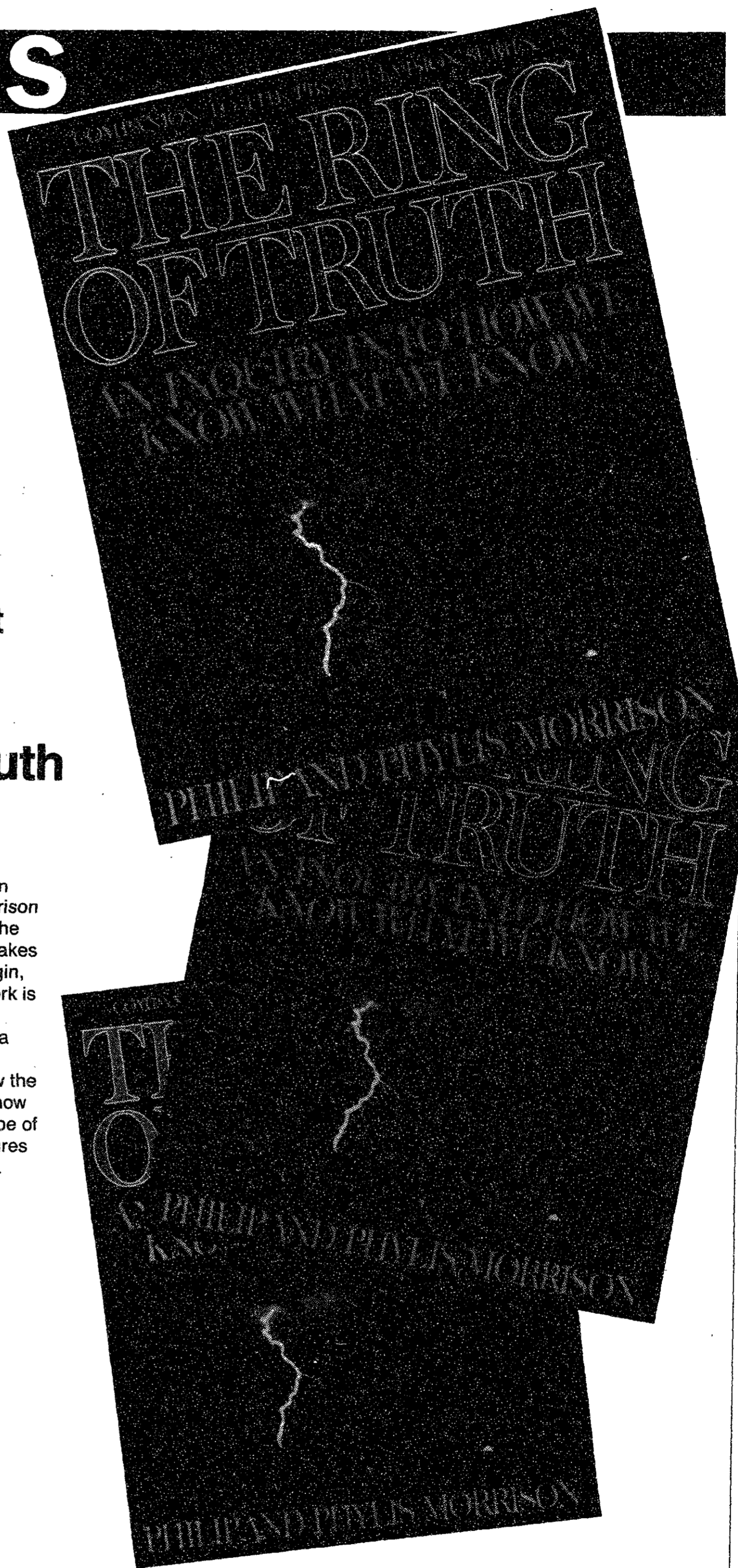
Wednesday,  
October 28, 1987  
at the MIT Coop at Kendall  
12:00-2:00pm

### The Ring of Truth by Philip and Phylis Morrison

Meet the authors of *The Ring of Truth* on October 28, 1987. Philip and Phylis Morrison introduce us to a refreshing voyage to the heartland of science. *The Ring of Truth* takes the reader to the place where ideas begin, where tools are made, and where the work is done. The Morrisons explore Thomas Jefferson's surveying techniques, what a chocolate layer cake can reveal about evidence in rocks, how we came to know the Mediterranean was once a desert and how scientists read rainbow light for the recipe of the stars. Enjoy a blend of diverse pictures and text from a pair of master teachers.

**24.95**

Published by  
Random House



**MIT COOP AT KENDALL**  
3 Cambridge Center  
M-Fri 9:15-7pm,  
Thurs. 'til 8:30  
Sat 9:15-5:45pm

**the  
Coop**

**PARK FREE IN KENDALL SQ\*** Kendall sq. 2 hrs M-Fri — One Memorial Drive Parking Garage or after 5pm weekdays and all day Saturday at Cambridge Center Garage. \*With \$5 minimum purchase: validate sales receipt at Coop Cashier's desk.

Coop Charge, MasterCard, Visa and American Express welcome.

## ARTS

Lara Harris in *No Man's Land*.

## Paula Poundstone tickled and teased

**COMIC PAULA POUNDSTONE**  
At *Play It Again, Sam's Comedy Cellar* in Brighton.  
Friday, October 23rd, 8 pm.

By DAVID SASLAV

**N**ATIONAL HEADLINER Paula Poundstone returned to her native Boston this weekend, and, in front of a packed house at trusty old "Play It Again, Sam's," tickled and teased an appreciative capacity crowd. Poundstone, whose spectacular career in comedy began in Boston, has been seen on the David Letterman show, as well as on cable television and, well, "wherever finer comedy is sold."

Poundstone immediately brought us into her life, admitting she doesn't like sex ("When I tell guys that, they always say, 'You'll like it with me!' — to which I respond: 'Who am I dating here, *Sam I am?* I don't LIKE it in a HOUSE; I don't LIKE it with a MOUSE!"), sympathized with the overly visible signs of her pet's recent surgery ("Veterinarians have determined that to heal a cat, humiliation is es-

sential") and even tried to sell us some made-up stuff ("Then there was my Sister Piñetta; she was beaten to death by a gang of festive Mexican kids wearing blindfolds"). All in all, a masterful, sensitive set.

Perhaps the most refreshing aspect of Poundstone's comedy is her near absolute refusal to stoop to degrading humor, as is so common on today's stand-up scene. It's always refreshing to be reminded that we can laugh not only out of embarrassment, hatred, and greed, but from the "nobler" emotions as well.

At times, in fact, Poundstone's approach bordered on the motherly, especially towards a drunken patron who first got the most patient crash course in speech therapy on record, and who later got himself thrown out of the club (Paula: "We'll sure miss him. . .!"). Audience members found themselves palpably drawn to her charm and warmth; some could not help calling out "encouraging" (read: inane) questions and comments at her throughout her set.

## No Man's Land flawed by failure to use Randy Quaid to the fullest

(Continued from page 11)

veloped, and although Quaid is given star billing, his appearance in the film is more a succession of cameos than an actual part of the movie.

The touch of drama in this film is just that, a touch. Benjy Taylor's moral struggle is lost amid the glitzy parties and good times. It is no surprise when Varrick's true, cold-hearted nature begins to emerge. And the tension is negligible, even at the climax, which is all too predictable.

Last but not least there are the Porsches. All kinds are shown: cabriolets, candy apple red's, etc. Not surprisingly, all

the motors are turbocharged, and none of the cars sound even remotely like Volkswagens. And when it comes to the chase scenes, there's no beating a Porsche. There are no stunts involving the car, but the bang-ups that it causes are pretty elaborate.

So, if you're out for a harmless movie that succeeds strictly on the entertainment level, *No Man's Land* will do, although watching reruns of *Chips* is cheaper and only a little less interesting.

But such was the intimacy of her character, that no one who heckled got an abrupt shutting up in return. On the contrary, Poundstone played off almost all audience noise. Once, she used analogies to Kenyan wildlife ("I just got back from two weeks in the jungle, and I never heard anything like that, sir."). Once, she imagined her pets, personified through witchcraft, had followed her to work to pester her ("Did you FEED your cats, Paula? Are you SURE you left ENOUGH FOOD for them?").

Hosting the show was the timeless, tireless Barry Katz ("Sam's" booking genius who's also hosted recent MIT "Comedy Nights" at the Student Center); also contributing fine sets was MIT graduate Steve Trilling '86 (Masters in Computer Science as stepping stone to career in stand-up comedy?) and Anthony Clark ("Ever wanted to go up to a toll booth and ask for Toll House cookies?"). Both comedians relied on the intelligence and mutual past experience of the audience, without condescending. The approach served perfectly as prelude for Poundstone and her friendly, good-natured wit, which, inevitably, captured the crowd completely.

D.B. Sweeney in *No Man's Land*.

Because of space limitations, "On The Town" will not appear in today's issue of *The Tech*. An abbreviated version will instead appear on Friday.

# If You're Majoring in ELECTRICAL ENGINEERING COMPUTER SCIENCE OR SEMICONDUCTOR PROCESSING

Analog Devices, a world leader in high precision, high quality electronic components, subsystems and systems, invites you to interview with us.

**CORPORATE PRESENTATION**  
**Monday, November 2 at 7pm**  
**at building 8, room 105**

You'll have the opportunity to speak with former graduates and representatives from our semiconductor and digital signal processing divisions. Find out more about the challenging career prospects in many aspects of analog and digital signal processing design, development and manufacture. Openings exist at our facilities in Norwood (12 miles southwest of Boston) or in Wilmington (12 miles north of Boston).

**INTERVIEWS**  
**Tuesday, November 3**  
**at building 12, room 170**

**See your career services office today for immediate sign-up/interview details.**

 **ANALOG DEVICES**

An affirmative action/equal opportunity employer, m/f/h.

## **“What distinguishes J.P. Morgan starts with the investment we make in you.”**

At J.P. Morgan, we look for potential, not polished skill. And if we find it in you, we'll give you outstanding training right from the start, and movement through different jobs – often through different parts of the world. Whether your major is English literature or economics, we offer opportunities to work for a global financial firm in corporate finance, mergers and acquisitions, securities sales and trading, public finance, foreign exchange, private banking, human resources, and operations and systems management.

To find out more, please come and meet with us at the time and place indicated.

**Opportunities for BSs  
at J.P. Morgan:**

**Operations Management  
Tuesday, November 3  
4:00-6:00 p.m.  
Building 4, Room 149**

**Corporate Finance  
Foreign Exchange and Treasury  
Wednesday, November 4  
4:00-6:00 p.m.  
Building 12, Room 182**

# **JPMorgan**

## ARTS

*The Tech Performing Arts Series presents...***HALLOWE'EN!**

Boston Musica Viva goes wild for this weird and wonderful event. To include H. K. Gruber's *Frankenstein* complete with mouth sirens, car horns, plastic hoses, baby rattles, paper bags, and a merry-go-round, Henry Brant's *Homage to the Marx Brothers*, Donald Erb's *The Devil's Quickstep* and Kurt Schwetsik's *Draculas Haus — und Hofmusik*.

You have been warned.

Jordan Hall, October 30, 7:30pm. *MIT price: \$5*

**SINFONOVA**

*Mostly Bach*

Sinfonova is a chamber orchestra of extraordinary talent and versatility. Their first concert of the season will include both Bach's *Concerto for two violins in D minor*, BWV 1043 and the

*Concerto for two keyboards in C*, BWV 1061.

The beautiful *Bachianas Brasileiras* No. 9 by Villa-Lobos is also on offer. Hear Sinfonova once and you'll want to go to the whole season. Jordan Hall. October 31, 8pm.

*MIT prices: \$13.50 tickets for \$6; \$8.50 tickets for \$4.*

**CHINESE PALACE**

The Chinese Children's Palace of Hangzhou is a group of dancers, singers, musicians, and acrobats making their premiere US appearances. The performance weaves delicate Chinese classical music and ancient Chinese folk dance. Symphony Hall, October 28, 8pm.

*MIT price: \$5*

**ALEJANDRO RIVERA**

Chilean guitarist Alejandro Rivera and "New Directions in Latin American Music" will perform original compositions by Rivera, as well as music from Argentina, Chile, Venezuela, Brazil, Peru, Ecuador and Puerto Rico.

Kresge Auditorium, MIT, November 1, 8pm.

*MIT price (in advance only): \$8.*

**COLLAGE**

This is going to be intriguing... Collage is presenting the world premiere of "*Cyberline*" after Shakespeare, by Charles Fussell, conducted by the composer and featuring Jack Larson (who played Jimmy Olson in the original *Superman* series) as narrator, with tenor David Gordon. Shakespeare with a difference in Sanders Theatre. November 2, 8pm. *MIT price: \$4.*

*Tickets are on sale at the Technology Community Association, W20-450 in the Student Center. Office hours posted on the door. Call x3-4885 for further information.*

*The Tech Performing Arts Series*, a service for the entire MIT community, from *The Tech*, MIT's student newspaper, in conjunction with the *Technology Community Association*, MIT's student community service organization.



# Calling All Engineers

## It's a call for you from OPCOM. Who?

**OPCOM.** The world's leading developer of creative, caller-courteous call processing and voice technology systems. We've been in business nearly 6 years. We're profitable and plan aggressive growth through new product development and distribution. Our product is D.I.A.L. (Direct Access Link.) It is a complete call processing system incorporating initial business call answering and delivery to the desk, messaging, database voice output, volume call distribution, and PBX integration. D.I.A.L. has it all. Micro-processor-based subsystems. Hard disk storage devices. Voice coding techniques. Signal processing technology. Sophisticated real-time control software.

## Who are we calling?

Students graduating with BS or MS degrees in EE or CS, with records of high academic achievement, and strong interpersonal and communications skills. Students who want to begin their engineering careers in a young, aggressive company with a working environment that encourages initiative, creativity, and professional growth.

Students with interests in these areas:

**Digital Logic Design**  
**Telephony**  
**Real-Time Control Software**  
**Databases**  
**Analog Circuit Design**  
**Microprocessor-Based Systems**  
**Diagnostic Software**  
**User-Friendly Interfaces**

## Why not answer our call?

Visit the Office of Career Services for more information, and sign up for an interview.

**PRE-INTERVIEW PRESENTATION:**  
 Sunday, 11/8/87 at 7:00 PM  
 in ROOM 4-149.

**MIT ON-CAMPUS INTERVIEWS:**  
 Monday 11/9/87  
 Tuesday 11/10/87

# UA seeks additional funding

(Continued from page 1)  
 appropriation will not prevent him from requesting more money. He said the UA will go through the same channels again looking for increased funding for next term. "If I think that with that money we still won't make it . . . it's my responsibility to let her [McBay] know that."

The UA approached McBay last term on the funding issue with the knowledge that the budget would be strapped. McBay said there was no additional money. The UA then approached Associate Provost Samuel J. Keyser and Provost John M. Deutch '61 so that they would "know our situation," Rodriguez said.

Rodriguez has asked all of the recognized student activities to write letters to McBay saying that they need increased funding to make up for "what the MIT community is losing. The UA will submit a budget next month to McBay for the 1988-89 academic year," he said.

The amount of money the UA has available does not correspond directly to the operating budgets of student activities, because some organizations, like *The Tech* and the Lecture Series Committee, are self-supporting, and others may receive departmental funds.

**Rodriguez: UA must be able to plan campus-wide events**

The MIT community is fragmented by living groups and other structures and needs to increase campus-wide activities and events in order to build a common community spirit, Rodriguez argued.

Last year's Student Life at MIT was one event that helped unite the MIT community, Rodriguez said. But the UA has had difficulty raising money for other such events, he said.

The UA initiated SLAM unsure of where it would get \$4,000 for the budget. It just barely managed to raise the funds in time, Rodriguez said. "I don't think students should have to go begging from office to office for money," he lamented.

The lack of money has adversely affected community spirit, Rodriguez said. "You can't just get everyone into Kresge Auditorium to sit and 'be together,'" he said. "You have to have things for them to do."

**Rodriguez urges activities fee or endowment fund**

Two student committees are studying the possibilities of a student activities fee and an activi-

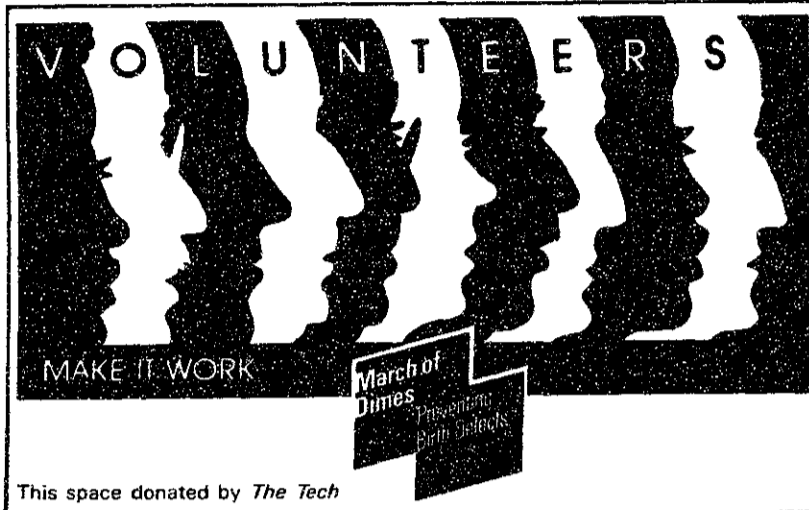
ties endowment fund, Rodriguez said.

An activities fee, if established, would be a line item on students' term bills and would be subtracted from tuition, Rodriguez said. Rodriguez said if the UA decides to pursue the plan there will be a referendum in March when elections are held.

Rodriguez also suggested that an endowment fund of approximately \$2 million would be extremely useful to the UA. He es-

timated about \$120,000 a year could be earned from such a fund, though he was uncertain whether the development office would let the UA participate in the Institute's "Campaign for the Future" fund drive.

"It's clear that some people in the administration think other things are more important [than student activities funding]," Rodriguez said. "If [MIT has] a budget of \$800 million and [the UA has] \$56,000, it's just a matter of priorities."



This space donated by *The Tech*

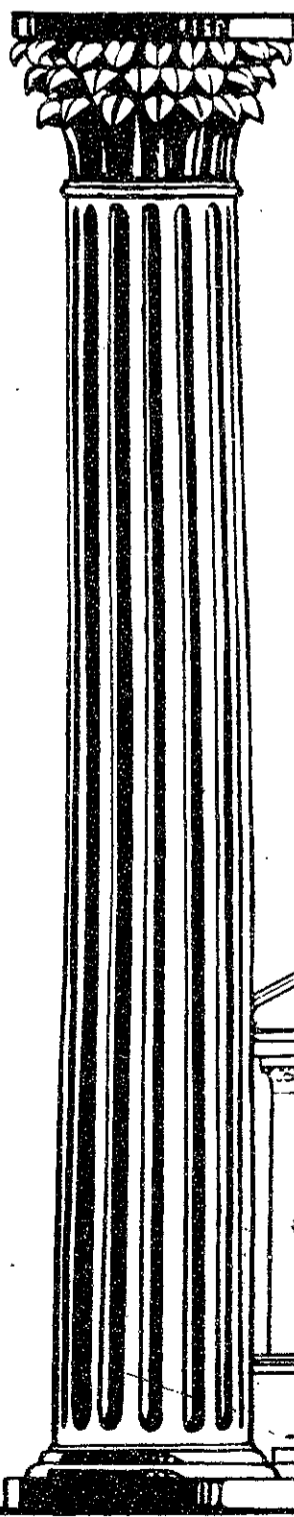
# TECH CATHOLIC COMMUNITY

## Welcomes You!

Mass  
 Sundays 9-12-5  
 MIT Chapel

## Remember how concerned you were about choosing the right school?

# NCR



Now it's time to pick the right company. And you need to ask yourself the right questions. Will I find the right fit? Will I grow? How will the company help me attain my career goals? In other words, what kind of future is in store for me?

NCR has designed a variety of programs that identify top performers, determine the role where you'll do best, and assist in moving you up to management or through the technical ranks. We can truly say that we have one of the industry's most comprehensive educational and development programs.

NCR offers you exceptional career advantages. Excellent salary, outstanding benefits, highest caliber professional colleagues and an enlightened, supportive management style. With the financial and technical strengths of our innovative \$4.9-billion organization to back up your career.

If you're graduating with a Bachelor's or Master's degree, we'd like the chance to tell you more about your bright future with us. We have challenging opportunities in VLSI Systems Design, Multi-processor Architectures, Communication Networks, Expert Systems, Manufacturing Technology, Systems and Network Software and Systems Architecture and Integration.

**On-Campus Interviews  
 Wednesday, November 4**

See your Placement Office to set up an interview with our NCR Representative. NCR is an equal opportunity employer.

**When you know where we're going,  
 you'll choose NCR.**

## Not all MBAs are created equal.

Often, the better the business school, the better your job opportunities.

So to increase your chances of getting into your first-choice school, call Kaplan. Enrollment in our GMAT prep course has more than quadrupled since "MBA fever" struck 10 years ago.

As a bonus, our GMAT prep includes refresher math lessons and business school admissions information.

Call Kaplan. In the business of business school prep, we have no equal.

**KAPLAN**  
 STANLEY H. KAPLAN EDUCATIONAL CENTER LTD.  
 DON'T COMPETE WITH  
 A KAPLAN STUDENT—BE ONE

Ace the Jan. 23 GMAT.

Cambridge 868-TEST  
 Boston 266-TEST  
 Newton Centre 964-TEST

## notices

### Ongoing

A **Divorce Support Group** led by Marcia Ullian Jackson, LICSW, will begin on Sept. 16, 1987 at Riverside Family Institute, 259 Walnut Street, Newtonville. The group will meet on Wednesday evenings for ten weeks in Room 14 from 7:30 to 9 pm and is designed to help people overcome the social and emotional impact of separation and divorce. Call 964-6933 for more information. A fee will be charged.

\* \* \* \*

CALL, a toll-free telephone service, is available throughout Massachusetts and provides free information about colleges, graduate schools, financial aid sources, and career opportunities. CALL counselors can also refer callers to other sources such as schools, training programs or other education-related agencies available in specific areas. CALL operates Monday through Thursday, 9 am to 9 pm; Friday and

Saturday 9 am to 5 pm; and Sunday 2 pm to 6 pm at 1-800-442-1171. Counselors are also available on a walk-in basis at the Higher Education Information Center located at the Boston Public Library, 666 Boylston Street, next to the Copley Plaza.

\* \* \* \*

Do you have questions about **Distribution subjects** and fields, **Concentration requirements** or procedures, what are **HASS Elective subjects**? Come to the Humanities, Arts, and Social Sciences Office, 14N-409 for help with anything to do with the HASS Requirement. We are open 9-5. Stop by or call us at x3-4441.

\* \* \* \*

The **Foreign and Domestic Teachers Organization** needs teacher applicants in all fields from kindergarten through college to fill over six hundred teaching vacancies both at home and abroad. Should you wish additional information about our organization, you may write The National Teacher's Placement Agency, Universal Teachers, Box 5231, Portland, Oregon 97208.

## IAP GUIDE DEADLINE\* THURSDAY, OCTOBER 29

### PUT YOUR IAP LISTING ON ATHENA

- easier to correct mistakes
- no loose forms to misplace
- easy-to-follow format

command: **attach iap (return)**  
**/mit/iap/iapform (return)**

\* Free IAP T-shirt to first 100 student activity organizers to bring their listings to the IAP Office, 7-103 (Athena listings included).

Contact the IAP Office, x3-1668, if you have any questions

## ISRAEL WEEK

IN CELEBRATION OF ISRAEL'S 40th YEAR

OCTOBER 23 - 29, 1987  
M. I. T.

### AN ISRAEL UPDATE

Friday, October 23  
8:30 p.m., Ashdown House Dining Room  
With Israel Consul General Arthur Avnon

### SCIENCE & TECHNOLOGY IN ISRAEL

Monday, October 26  
3:00 p.m., Room 8-119  
With Dr. Ami Ben-Amotz of Israel's I.O.L.R Institute

### CAREERS & STUDY IN ISRAEL

Monday, October 26  
4:00 p.m., Room 8-119  
Reception with Israeli foods

### ISRAEL FAIR

Tuesday, October 27  
11:00 p.m. - 2:00 p.m., Lobby 7

### ISRAELI FOLK DANCING

Wednesday, October 28  
7:30 p.m., Lobby 13  
Sponsored by MIT Folk Dance Club

### ISRAELI DINNER

Thursday, October 29  
5:30 p.m., MIT Kosher Kitchen (Rm 50-007)  
\$7.00, validine or cash

Sponsored by M.I.T. Hillel, 312 Memorial Drive  
For information call 253-2982

PROGRAMS ARE SCHEDULED AT MANY BOSTON-AREA  
CAMPUSES. FOR MORE INFORMATION, CALL THE HILLEL  
COUNCIL OF GREATER BOSTON, 266-3882

# WE'VE GOT THE JOB FOR YOU.

The Peace Corps is an exhilarating two year experience that will last a lifetime.

Working at a professional level that ordinarily might take years of apprenticeship back home, volunteers find the career growth they're looking for and enjoy a unique experience in the developing world.

International firms and government agencies value the skills and knowledge mastered during Peace Corps service.

Tuesday, November 3- \*Film and Information Session  
in Rm. 8-205

\*Information Booth in the Student  
Center Lobby 13 2nd floor from  
10-2:00 p.m.

Tuesday, November 10- \*Interviews from 9-4:30 p.m. in  
the Office of Career Services

## Peace Corps

The Toughest Job You'll Ever Love

## Merrill Lynch Capital Markets

## Merrill Lynch Capital Markets Public Finance Group

cordially invites

MIT Seniors

to attend an

Information Meeting

Monday, November 2, 1987

Building 4 - Room 159  
7:00 p.m. - 9:00 p.m.

to discuss the

Two-Year  
Financial Analyst Program

Refreshments will be served



**Merrill Lynch**

# Solar car to race in Australia

(Continued from page 1)

10... that will be really good," Worden said. There is no prize money awarded for the race. The team's goal is "to solidly finish the race with no problems," and prove to their sponsors they can build a reliable solar powered automobile, Worden said.

### Last Minute Electrical Failure

The *Solectria* crew finished building the car last week, but had an unnerving "electronic mishap" in the final hours, Worden explained. "The whole computer blew out... the chips blew out... because of an unexpected voltage spike," he said.

"There was a big panic," but Pratt, the team's computer specialist, quickly built another controller, Worden said. The controller, the car's main computer, adjusts and monitors the engine, car speed and power flow. This mishap "was actually helpful," because it led them to ship an extra motor and two back-up motor controllers to Australia, he said.

"I'm confident that at least one of these systems will make it

through the race," Pratt said. "I'm very excited about the race... it's an incredible opportunity... I can't wait to get there," he added.

Worden had planned to run the *Solectria* through 100 hours of road tests but ran out of time. He tested the car for only 15 minutes on the road, but "it went really smoothly," he explained.

The *Solectria's* body, made of fiberglass, is 18 feet long and has two front wheels and one in the rear. The auto's 13 ft. solar panel rests on top of the car and tilts at various angles to follow the sun's rays throughout the day. The solar panel's surface area covers 86 sq. ft and produces 891 watts at 48 volts, according to Worden.

"It's going to be a good race... We've worked really hard and no matter what, we're going to finish," Anderson said.

Anderson will share the driving — nine hours a day — with Worden and Smith. The team will follow behind the *Solectria* in a support car during the trip and will camp out at night in the desert. A race official will also follow each car throughout the 2000 mile trek to enforce race rules. In larger cities, the team will stay in the homes of MIT alumni.

Many people have helped them get to Australia, Smith said. MIT's Undergraduate Research Opportunities Program office has provided much help, as have professors and "people behind the scenes," she added.

"It'll be a great adventure," Smith said. "We're going to meet incredible people and travel through a beautiful country and when we're all done... we're going to realize we traveled 2000 miles without an ounce of gasoline," she added.



Kristine AeYeung/The Tech  
Jerome Meier '90 blocks the ball during Saturday's game vs. Colby. After double overtime, the game ended in a 0-0 tie.

classified advertising

**Classified Advertising in The Tech:** \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. The Tech, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

**Sexually Transmitted Disease**  
Confidential testing and treatment of STD's and AIDS. Also general medical care, sports-medicine, birth control, etc. Private office. Robert Taylor M.D., 1755 Beacon Street, Brookline 232-1459.

**Michela's Take-out Shop** seeks F/T or P/T help. Perfect for students! Flexible schedule. Fun! Fun! Fun! Call Mimi 494-5419.

**Part Time Help Needed.** Excellent Salary. Flexible Hours with School Schedule. Best Positions Available Now. Data Entry, Gallery Sales. 542-0030.

\$\$\$ 15/hr \$\$\$  
Business, communication, and postal service center seeks college students to establish and service business accounts in Back Bay area. Flexible hours. Salary and commission. Mail Boxes Etc. 304 Newbury St. Boston. 437-9303.

**Students:** The MIT Child Care Office distributes a list of students available for babysitting - day, evening, or weekends; regular or occasional. Call 253-1592 for more information and become listed.

**Legal advice.** Consultations for computer and corporate law, real estate, negligence, family law, and civil or criminal litigation. Office convenient to MBTA and Government Center in Boston. Call Attorney Esther Horwich, MIT '77 at 523-1150.

**The Tech Subscription Rates:** \$14 one year 3rd class mail (\$26 two years); \$36 one year 1st class mail (\$67 two years); \$40 one year foreign; \$8 one year MIT Mail (2 years \$13). The Tech, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139. Prepayment required.

**People Power**  
helps prevent birth defects  
Support March of Dimes

This space donated by The Tech

We Feature  
A Large Variety of  
Army Navy Clothing  
And Military Merchandise

LEVI'S CORDS  
DENIMS LEE'S  
STRAIGHT LEG

**CENTRAL WAR SURPLUS**  
433 Mass. Ave.  
Central Sq.  
Cambridge

**MASS ARMY NAVY**  
885 Boylston St.  
Boston  
(across from Pru.)

## Society of Women Engineers Scholarship Program

The Society of Women Engineers is pleased to announce our 1988 Spring Scholarship Program. This year we are seeking qualified applicants for thirty three (33) scholarships, varying in amount from \$750 to \$2500 and totaling over \$38,000. Official SWE application forms, which include instructions for filing, can be obtained at the Student Financial Aid Office, room 5-119.

Applications, including supportive material, must be mailed to the Society of Women Engineers in New York and postmarked no later than February 1, 1988. Recipients will be notified in May 1988 and will receive their awards in September 1988 for the 1988-89 academic year.

Let's make a difference together

**U A**  
Undergraduate Association

The UA would like to congratulate the MIT Social Council (formed by Dormcon, IFC, SCC and the Undergraduate Association) on the overwhelming success of Fall Weekend.

We are sure that the MIT community will be waiting for Winter and Spring weekends in addition to other events that the MIT Social Council will be planning for us.

Undergraduate Association

Student Government at MIT

4th floor of the Student Center  
Room 401, Tel. x3-2696

# HASS-D courses required to have final exams

(Continued from page 1)

- HASS-D subjects should be 12 units.

- There must be a minimum of three hours of class per week, including a discussion period of at least one hour. Discussion sections must have fewer than 25 students.

The Overview Committee is in the process of sending letters to every member of the HASS faculty to solicit proposals for HASS-D courses, Khoury added.

The subcommittees will review the proposals and recommend changes, explained William L. Jarrold '89, student member of the Overview Committee. After the final proposals are completed in early December, each of the

subcommittee chairmen will present the proposed HASS-D subjects to the Overview Committee for approval.

After the Overview Committee has made its selections, ultimate approval for HASS-D subjects comes from Dean of Humanities and Social Science Ann F. Friedlaender PhD '64.

Any current HUM-D subject that is accepted for HASS-D status will be granted only a provisional license of one year as a HASS-D, since it may be replaced by new subjects introduced in subsequent years, Khoury said. Any new subject accepted for HASS-D status will hold that status for three years and then must be reconsidered.

## Opportunities for expressing student opinions

Every committee has one student member. These students were chosen by the Office of the Dean for Student Affairs, by the UA Nominations Committee, by recommendations from faculty, and ultimately by the chairmen of the subcommittees.

Students were placed on the committees in order to "prevent the kind of thing that happened last spring," when the faculty tried to reform the HASS system without consulting students, Jarrold said.

The original HASS-D proposal included a cap of 50 on the number of HASS-D subjects. Following strong student opposition, that cap was lifted.

But Jarrold was not convinced that student concerns had been answered. "Last year, they proposed a cap of 50 HASS-D subjects. Now, there is no cap, but they still want fewer HASS-D's [than there were under the old system]," Jarrold said.

Since anyone teaching a course that satisfies a requirement is guaranteed to get students, faculty are expected to compete for the limited number of HASS-D slots.

As the number of available subjects goes down, the number of students taking a given HASS-D class will go up, and this will adversely affect humanities teaching, Jarrold asserted. "You've got to have interaction with other students, and you have to learn how to interact with other people," which is impossible if the classes are too large, he said.

The current proposed cap on recitation size is 25 students, and professors are strongly encouraged to keep the size under 20, Jarrold said. But humanities courses will not be very effective unless the number is reduced to 10 or 15, he claimed.

The transition from HUM-D's to HASS-D's will pose problems because it will be difficult to predict student interest and enrollment in the new HASS-D courses, according to Professor Irene Tayler, chairman of the literature subcommittee.

The six committees are permanent, and the reviewing of

HASS-D subjects is a continuing process, Khoury said. The committees will review HASS-D subjects every three years to propose changes, he continued.

Within four years, the HASS-D system should be completely in place and the HUM-D system will be phased out, Khoury said.



## Criteria for HASS-D subjects

- Each HASS-D category should consist of subjects that are appropriate for students who never taken another subject in that area of learning. HASS-D subjects should have a broad intellectual range and include a generous view of the alternative and often competing assumptions, perspectives, and intellectual tendencies in the field.

- HASS-D subjects should incorporate, where appropriate, materials and insights drawn from the full range of contemporary scholarship, including that on women, minorities, and non-Western cultures.

- HASS-D subjects should aim at developing both substantive knowledge and analytical skills.

- HASS-D subjects should not have prerequisites except in the case of language subjects, and subjects within the five HASS-D categories should offer a range of choices suited to the different interests, abilities, and preparations of MIT undergraduates.

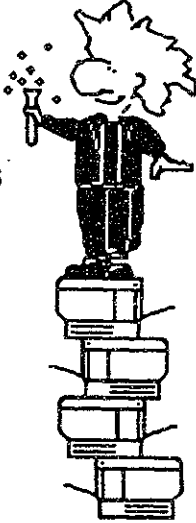
- The HASS-D requirement is meant to complement the Institute requirements in science and mathematics by emphasizing modes of inquiry and discourse that are qualitative and contextual.

## LASER INK incorporated

create

- charts
- theses
- labs
- laser printing
- presentations
- newsletters
- typesetting
- illustrations
- resumes
- graphics
- reports
- invites
- and more!

nice job Master



Service Center

three cambridge center above the MIT coop

225-2525



TUCK AT DARTMOUTH

The Amos Tuck School of Business Administration was founded in 1900 as America's first graduate business school. Tuck offers a full-time, two year program in general management leading to the MBA degree.

Lynn Woodward, Assistant Director of Admissions, will be on campus Friday, November 6 to discuss the Tuck MBA program with interested students.

Please contact the Office of Career Services to schedule an appointment.

## DARE TO SCARE!

HALLOWEEN BOO BAZAAR

Gloves and tails, T-shirts and capes, bats 'n' rats, there's no escape. Fabric masks & beanies too — are waiting at Kendall Drugs just for you!



KENDALL DRUGS  
Your MIT Community Drugstore  
Kendall Square 492-7790

© 1987 Hallmark Cards, Inc.

FROM THE ACADEMY AWARD WINNING DIRECTOR OF 'GANDHI'

# CRY FREEDOM

THE TRUE STORY OF THE FRIENDSHIP THAT SHOOK SOUTH AFRICA AND AWAKENED THE WORLD

UNIVERSAL PICTURES PRESENTS A UNIVERSAL PICTURES PRODUCTION A FILM BY CLYDE GAYLOR  
KEVIN SPACEY DENZEL WASHINGTON BOB OATENS ROBERT DUVALL  
AND MUSIC BY JOHN WILLIAMS COSTUME DESIGNER BOB OATENS  
EDITED BY STUART ORING PRODUCTION DESIGNER LESLEY WALKER  
EXECUTIVE PRODUCERS TERENCE O'LEGG PRODUCED BY JOHN BRILEY  
WRITTEN BY JOHN BRILEY DIRECTED BY CLYDE GAYLOR

OPENS FRIDAY NOVEMBER 6th AT A THEATRE NEAR YOU

Universal Pictures invites you to attend  
**A VERY SPECIAL FREE SCREENING**  
Tuesday, October 27 at 8pm, in 26-100  
Sponsored by LSC  
Limited Seating

# Ave atque value.

(Simply means hail and  
save at Caffè Capucino's  
in Brookline.)

I also got a delicious lesson in what lighter Italian cooking tastes like. With all sorts of Pizza Tortes, pasta salads and homemade specialties. Be sure to leave room for desserts like European style cakes and pastries, that were made for Caffè Capucino's special coffees, including cappucino, naturally. It's also a great place for Sunday Brunch and fast take-out service. Caffè Capucino's, that's how you say value in Italian. Serving 11:30 to Midnight.

Reservations and Major Credit Cards Accepted

**capucino's** ★★★

a northern Italian ristorante

Brookline 1370 Beacon St. 731-4848 Newton 1114 Beacon St. 527-2440  
Marblehead 40 Atlantic Ave. 639-2442

# "My life changed when I picked up Big Frankie"

It's enough to change any-  
one's eating habits.  
A huge one-third  
pound frankfurter  
on a french loaf

PIZZERIA  
**UNO**  
RESTAURANT & BAR

smothered with tangy ched-  
dar cheese and more.  
Big Frankie. Just one  
of the extraordinary  
experiences at Uno's.

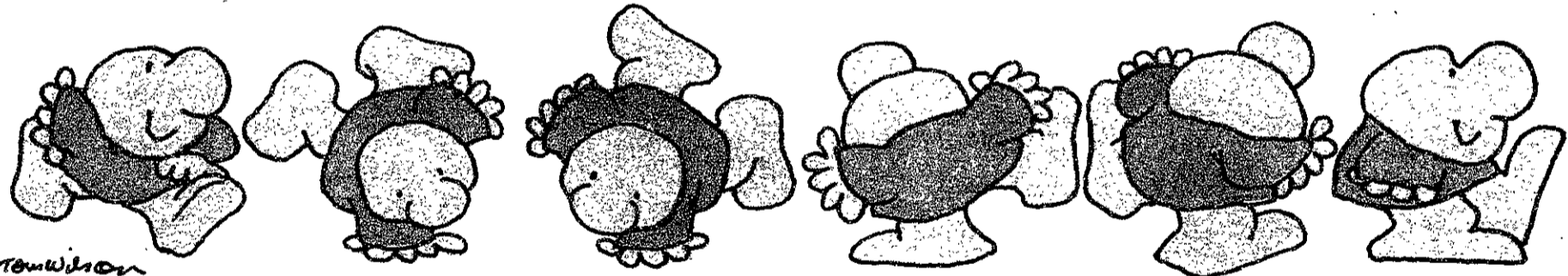
CHICAGO'S ORIGINAL DEEP DISH PIZZA

Faneuil Hall  
Copley Sq.

Kenmore Sq.  
Harvard Sq.

Allston  
Park Sq.

# Feel Good ABOUT YOURSELF...



ZIGGY®  
© 1983 Universal Press Syndicate

# Give BLOOD

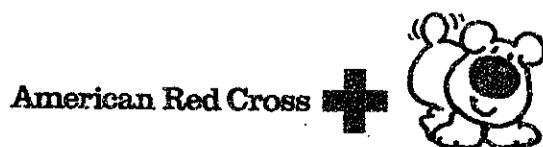
## TCA Blood Drive

Monday, November 2 — Saturday, November 7

Monday, November 2	10 am — 3 pm
Tuesday, November 3	10 am — 3 pm
Wednesday, November 4	2 pm — 7 pm

Thursday, November 5	2 pm — 7 pm
Friday, November 6	10 am — 3 pm
Saturday, November 7	10 am — 3 pm

To make an appointment, call 253-7911 • New location: KRESGE AUDITORIUM



This space donated by The Tech