

## Tonegawa wins Nobel Prize in medicine

### Nobel winners at MIT

Professor of Biology Susumu Tonegawa is the eighth member of the MIT faculty and the fourth member of the biology department to win the Nobel Prize.

The winners of the Nobel Prize in physiology and medicine include Tonegawa; Professor David Baltimore '61, who in 1975 shared the prize for his work on the interaction between tumor viruses and the genetic material of cells; Salvador Luria, Institute Professor Emeritus, who shared the prize in 1969 for his research on viruses in living cells; and Professor Har Gobind Khorana, who shared the prize in 1968 for his discoveries in genetic coding.

The economics department has two Nobel Prize winners: Institute Professor Franco Modigliani, who in 1985 won the prize for his "life-cycle" savings hypothesis and his work in corporate finance; and Institute Professor Emeritus Paul A. Samuelson for his work in applying scientific analysis to economic theory. Samuelson, who won in 1970, was the first American to win the Nobel Prize in economics.

Professor of Physics Samuel C.C. Ting shared the 1976 Nobel Prize in physics, for his discovery of a new kind of heavy elementary particle. Eric S. Shvian, an MIT staff psychiatrist, was a founder of the International Physicians for the Prevention of Nuclear War, which won the 1985 Nobel Peace Prize.

## UA Council approves final plans for store

By Andrew L. Fish

The Undergraduate Association Council approved plans for a UA-run store in the Student Center Wednesday night. The UA Executive Board proposal was accepted by a vote of 21-4 with three abstentions after almost two hours of heated debate.

Some students challenged the plan on a broad range of issues, including the selection process for the store manager, the store's hours, the use of the Harvard Cooperative Society as a supplier, security, and viability.

Hours after the meeting, the store manager appointed by the UA Executive Board resigned amid charges of favoritism in the selection process.

The UA store will be located on the fifth floor of the Student

Center and will operate for the 1987-88 academic year. The store will sell stationery and insignia which will be initially supplied by the Coop.

The main opponents of the plan appeared to be two members of the Student Center Committee — SCC Chairman Rebecca A. Emerson '88 and SCC Coffeehouse Manager Lisa B. Russell '88.

In addition, Jonathan N. Katz '90, chairman of the Student Committee on Educational Policy, expressed doubts that the store could be operated at cost.

Rodriguez said after the meeting that the store could be closed "in a day" if it was losing money. He said he would shut the operation down if losses grew to \$1000. The UA, which has a

(Please turn to page 7)

## Tewhey defends MIT's current alcohol policy

By Andrew L. Fish

Associate Dean for Student Affairs James R. Tewhey is standing by MIT's current alcohol policy, in spite of a confidential Campus Police report critical of its enforcement.

While MIT's Legal Affairs Officer Thomas R. Henneberry said that he did not want to take sides between the Campus Police and the ODSA, he expressed concern that the alcohol policy "be enforced through appropriate mechanisms." Enforcement is the responsibility of the ODSA, he said.

Tewhey acknowledged that if current alcohol practices continue, "somebody is eventually going to get hurt." He said "an accident is ready to happen."

"If some of the things I've seen and heard are true, something will have to change," Tewhey asserted. He cited several alcohol-related incidents — a student returning home from a party fell down stairs and was injured; another student fell out of a window while drunk; yet another was arrested while driving with a .38 blood alcohol level. Tewhey said these incidents point to a pattern of irresponsible alcohol use on campus.

Nevertheless, Tewhey believed the current alcohol policy is "quite good" and said he had no intention of advocating a more restrictive plan. He did admit

that the Dean's Office was having trouble deciding how to implement the policy — he argued that enforcement had to be a joint effort with students.

Tewhey said he wants to continue educational programs to get students to use common sense when dealing with alcohol. But he offered few specifics.

In fact, the ODSA has not allocated any of its funds to alcohol education this year, said Barbara Fienman, campus activities director, in August. Fienman ran a \$400 program out of her \$1500 budget, but said that a realistic program would require \$5000.

### Report warns of liability

A confidential report prepared by Campus Police Chief James Olivieri documented "major problems" at more than a third of the 247 social functions that took place at MIT last year. It warned that a lack of enforcement of the alcohol policy could leave MIT liable in the result of an alcohol-related mishap.

Henneberry agreed that MIT will be "held to the standard that we set" in any alcohol-related lawsuit. He emphasized, however, that he was "not finding fault" with the current enforcement mechanisms.

But a court would also look to the "viability of the standard" that MIT sets — the MIT policy



Professor Susumu Tonegawa, recipient of the Nobel Prize for physiology and medicine.

Kyle G. Peltonen/The Tech

## City proposes animal research law

By Chitra K. Raman

The City of Cambridge is considering an ordinance, written by the Cambridge Committee for Responsible Research, which would require public review of research on laboratory animals. The ordinance calls for monitoring painful research and placing Cambridge citizens on the Animal Care Committees of laboratories.

Several MIT researchers have criticized the proposed ordinance. In an article in the August 1987 *New England Monthly*, MIT's David Baltimore '61, director of the Whitehead Institute, wrote: "The persons who are most anxious for this law to pass

have stated that their main objective is not just to assure that laboratory animals are treated kindly, but to halt all research with animals." The enactment of such an ordinance would, according to Baltimore, curtail biomedical research considerably.

Arthur C. Grant G, a student in applied biology, opposed the provision that painful experiments will only be allowed if it is designed to find a cure for a debilitating disease, such as cancer or Acquired Immune Deficiency Syndrome. The definition of "painful experiment" in the proposal is very arbitrary, he explained.

Grant conceded that "Antivivisectionists and animal rights people are generally motivated by their concern for animals" but he noted that "their legislation might have adverse effects regarding the animals." For example, he noted that committee members have opposed storage of more than one rat per cage for his lab course. Grant said that rats are, in fact, social creatures who prefer company and have even been observed to become viciously hostile if left to themselves.

Grant also charged that the CCRR's real objective is to eliminate animal research. "I am convinced that the CCRR wants to wipe out research, not have responsible research."

The ordinance calls for placing an Animal Welfare Advocate on the Animal Care Committees which already exist for laboratories, according to Leah Zuch, executive director of CCRR. This person would be a Cambridge citizen who is not involved in medicine or research.

Grant objected to the appointment of average citizens to the committees because they do not have the necessary background. "The 'average citizen' idea in principle is reasonable," he said. "On the other hand, people are trained to be experts in certain areas. Training is imperative if one is to understand about the animals."

To support the claim that a suitable background is needed

for participation in such a committee, Professor Jerome Y. Lettvin suggested a scenario. If one puts a frog under anesthesia, then severs the spinal cord and separates it from the brain, the frog fully recovers and appears normal.

A Cambridge citizen would say that such a procedure would be torturing the frog when, in fact, all nervous signals are cut so that the frog in reality can feel no pain, Grant said.

The ordinance also calls for frequent inspections of research facilities by the CCRR and for the CCRR to have easier access to information about the care and use of animals. Gul A. Agha, an MIT research scientist and president of CCRR, said that with this proposed ordinance, a system of checks and balances would be created. "Lovers of animals and pets have a right to know if animals are being mistreated," he explained.

In an interview for the August 1987 *New England Monthly*, Agha maintained that although some of the research is necessary, abuse is still a problem. "We recognize some significant medical research involves the use of live animals," he said.

"We realize that there are some very compassionate and caring experiments. But we suspect that

(Please turn to page 12)



Tech file photo

Dean James R. Tewhey

has to be reasonable. He said he was in "complete agreement" with the alcohol policy when it was formulated.

Controversy remains over how the policy should be enforced. Fienman requested that students take the initiative to learn about the responsible use of alcohol. But the Olivieri report suggested that "neutral observers" such as graduate residents monitor the parties.

The report also said that students were beginning to resent Campus Police presence at parties, and officers are now reluctant to take these assignments — they are difficult and unpopular.

(Please turn to page 11)

## inside

Gray sees need for science-based liberal education. Page 2.

\* \* \*

Stewart analyzes 1988 Presidential candidates. Page 2.

\* \* \*

Pro Arte celebrates its tenth birthday with a Chamber Orchestra Weekend. Page 14.

# Gray seeks integrated curriculum

By Mathews M. Cherian  
(Second of two parts)

The concept of a science-based liberal education has emerged as the common theme of faculty discussions in the past year, President Paul E. Gray '54 wrote in the *Annual Report of the President* for 1986-87. Gray presented the report to the MIT Corporation on Sept. 2.

This concept "recognizes and articulates MIT's tradition of equal commitment to science, mathematics and technology on the one hand, and on the other, to the humanities, arts and social sciences," Gray said.

Gray stressed that MIT's examination of the undergraduate education is more a renewal than a reform: since the core requirements are already in place, the current changes and discussions of the curriculum aim to incorporate more perspectives and approaches to learning into the undergraduate education.

Gray emphasized MIT's "concern for educating the whole person, not solely the future professional." An important objective of the curriculum review is to give students a better understanding of the human context of technological progress, Gray said.

"Within the core general education, we need to establish a new relationship between the humanities, social sciences (including management) and the arts on the one hand, and the sciences, mathematics, and technology on the other," he said.

MIT is establishing "stronger linkages" between the Schools of Engineering and Science and the School of Humanities, Arts, and Social Sciences, Gray said. "Here is the real challenge — we need to develop a true educational partnership."

Gray discussed the changes the Institute has made so far:

- **Humanities:** The faculty



Tech file photo  
President Paul E. Gray '54

last May altered the HASS distribution requirement, by organizing the humanities, arts and social sciences into five interdisciplinary categories to ensure that students have a broad educational foundation.

- **Minors:** The faculty also voted to allow students to minor in HASS. Similar minors in the sciences and possibly engineering and management are likely, Gray said.

- **Engineering:** The School of Engineering Commission on Undergraduate Education outlined the necessary components of an undergraduate education for all engineering majors at MIT. Included among the traditional requirements of engineering is the requirement that students should have "begun to understand and respect the economic, managerial, political, social, and economic issues surrounding technical development."

- **Integrated courses:** Approximately 50 faculty from all five schools are working together on "context" subjects, new

classes which will examine the numerous facets of the human context in which scientific and technological progress takes place.

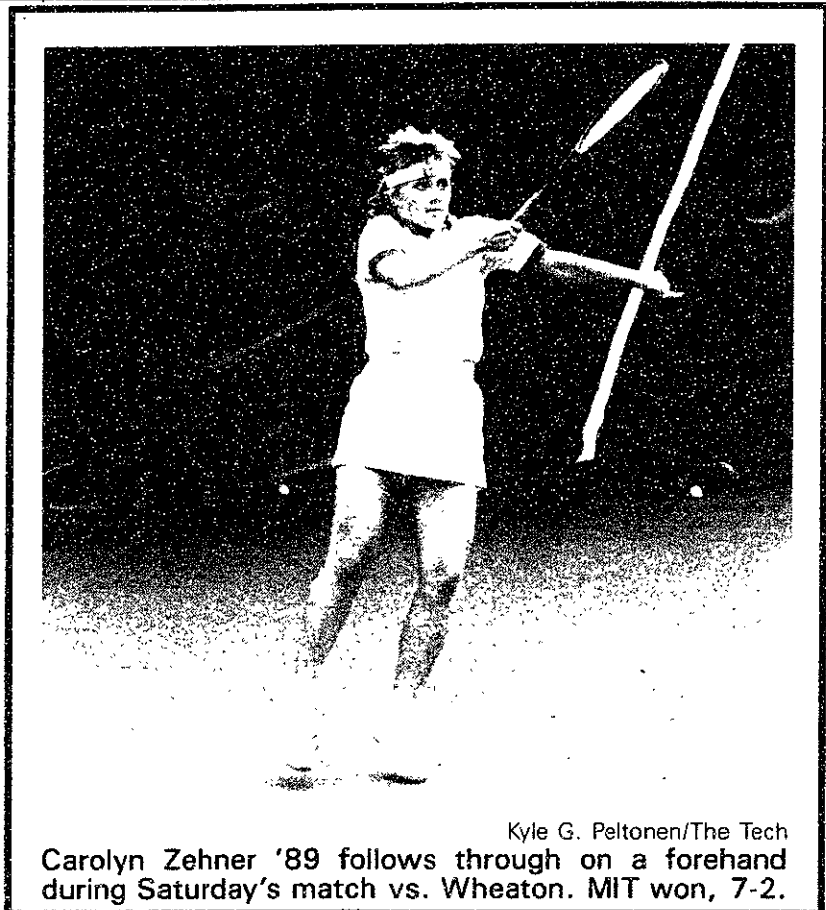
- **Faculty minicourses:** In order to achieve the "educational partnership" Gray described, the faculty of the various schools need increased exposure to each other. Departments are sponsoring interdisciplinary minicourses for faculty as one method to increase interdisciplinary understanding.

- **Faculty-student interaction:** MIT is encouraging more informal intellectual contact between students and faculty through seminars in living groups, freshman seminars given by faculty, and advising clusters organized by living group.

Also, this year the House Fellows programs was initiated on a three-year experimental basis. Five or six faculty House Fellows will contribute socially and intellectually to a living group through participation in house activities, such as drama productions, athletic events, literary readings, or outings.

On the agenda for educational review in the coming year is an examination of the freshman year. "MIT can do better in the freshman year than it has been doing," Gray said. The Committee on the First-Year Program will be examining the academic content and structure of the freshman year to find ways of increasing intellectual stimulation.

The faculty will also be reviewing MIT's science requirements. Gray indicated that faculty saw a need for a stronger life sciences component in the requirements.



Kyle G. Peltonen/The Tech  
Carolyn Zehner '89 follows through on a forehand during Saturday's match vs. Wheaton. MIT won, 7-2.

# Professor analyzes '88 Presidential hopefuls

By Niraj S. Desai  
(Second of two parts)

A list of the people who decided not to run for president is almost as interesting as a list of the candidates themselves, said Charles Stewart III, assistant professor of political science. Stewart analyzed the 1988 presidential candidates for the MIT Democratic Club on Oct. 7.

Stewart counted 28 people who had been mentioned as possible candidates — including Ohio Governor Richard V. Celeste, former White House Communications Director Pat Buchanan, and former UN Ambassador Jeane Kirkpatrick.

Stewart asked the audience how many of them had even heard of Celeste. Few had. Celeste, a two-term Democrat, first

gained national attention earlier this year when his prospective candidacy spawned public charges of marital infidelity.

"Literally, everybody thinks he can be president," Stewart said, noting that Buchanan and Kirkpatrick had never even run for elective office.

### The Democrats

Of those who did get into the race, Jesse Jackson is the only one on the Democratic side who generates excitement, Stewart said. But he also generates embarrassment.

Jackson is clearly the front-runner, the best speaker, and the best-known, but is given almost no chance for the nomination. In part, this is due to his far-left po-

(Please turn to page 13)

# ELECTRONICS

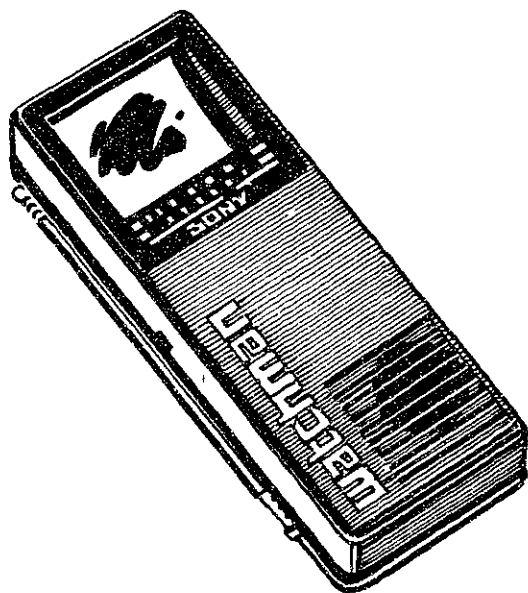
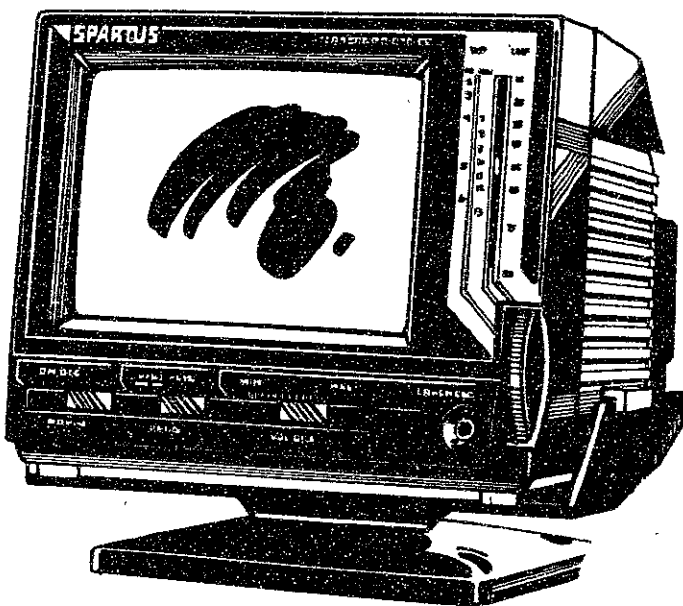
WE'VE GOT IT!

## Big Savings on Small Pictures

**SAVE \$50**  
**Goldstar 13" diagonal color TV**  
A lightweight TV that weighs only 24.2 lbs. Features rotary dial controls, fine tuning, and a quick picture start.  
Reg. \$199.99 **SALE \$149.99**

**SAVE \$20**  
**Sony Watchman**  
A great idea from Sony! Take this mini 2" diagonal TV anywhere. Features a black and white screen and is UHF/VHF compatible.  
Reg. \$119.99 **SALE \$99.99**

**SAVE \$10**  
**Spartus Mini Portable TV**  
The TV designed for convenience, this Spartus has an adjustable mount for under cabinet or desktop use. Features 4.5" diagonal screen; AC adapter for home and travel use; 12V DC adapter for car, boat or R.V.; and telescoping antenna.  
Reg. \$59.99 **SALE \$49.99**



**HARVARD SQUARE**  
Cambridge  
M-Sat 9:20-5:45pm  
Thurs 'til 8:30

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

**DOWNTOWN COOP**  
1 Federal St  
M-Fri 9:15-5:30pm

**COOP AT LONGWOOD**  
333 Longwood Ave  
M-Fri 9:15-7pm  
Thurs 'til 8:30  
Sat 9:15-5:45pm

**PARK FREE IN HARVARD SQ\*** 1 hr Church St lot or 2 hrs University Pl or Charles Sq garages. **PARK FOR \$1 AT LONGWOOD\*** Behind Coop after 5pm and all day Sat.

\*With \$5 minimum Coop purchase\* validate sales receipt at Coop Cashier's desk  
Coop Charge, MasterCard, Visa and American Express welcome.



# news roundup

from the associated press wire

## World

### More ships attacked in Persian Gulf

Officials in Bahrain say that an Iranian missile hit Kuwait's main oil loading terminal and set a Liberian-flagged ship on fire. Nearby US-flagged ships were apparently unharmed. There is speculation that the missile used was a Chinese "silkworm" missile which has not been previously used against ships in the gulf.

### Airliner crashes in Alps

No information is known on the fate of 37 people aboard an Italian jetliner that crashed in the foothills of the Alps. Officials confirmed that the jet went down during a heavy rainstorm north of Milan, but the exact crash-site was not been determined. The plane was on its way to Cologne, West Germany.

### Nobel prizes given out

Besides MIT's Susumo Tonegawa being awarded the Nobel prize for medicine and physiology, the Nobel committee announced the winners of the prizes in chemistry and physics. Frenchman Jean-Marie Lehn and Americans Charles Pedersen SM '27 and Donald Cram were awarded the prize in Chemistry for their work in the development of synthetic molecules. Two Swiss scientists — K. Alex Müller and J. Georg Bednorz — won the prize in Physics for their revolutionary work in the field of superconducting materials.

### Delay in superpowers summit

Even though Secretary of State George Shultz PhD '49 remains optimistic, he warned yesterday that unless an intermediate range missile agreement is signed soon, President Reagan and Soviet leader Gorbachev should delay a proposed summit meeting. Shultz will be in Moscow later this month, and it is expected that at that time he will nail down a precise date for the Washington meeting.

## Nation

### Pilots testify against Eastern

A pair of Eastern Airlines pilots said that the carrier has repeatedly forced its pilots to fly unsafe planes. They told a Senate committee that pressure may have arisen when Eastern management tried to cut costs and increase profits. An Eastern official has denied these charges.

### Blast in San Francisco Chinatown

A propane gas leak caused a huge explosion in a restaurant in San Francisco's Chinatown. Over 25 people were injured when glass and debris showered the sidewalk after the lunchtime explosion.

### Texas girl trapped in well

There had been little progress by last night in trying to save 18-month old Jessica McClure after she fell into an abandoned backyard well Wednesday morning. She fell 22 feet into the shaft and the only way rescuers have been able to get closer to the girl has been by drilling through the solid rock.

Apparently she was still alive since rescue workers have heard crying. Police officials quoted an emergency room doctor as saying that the child could survive for another 36 hours without food or water.

### Victories in cancer fight

The American College of Surgeons has announced that the number of men dying from testicle cancer has fallen dramatically in the past few years due to advances in therapy. A dimmer outlook was given however for another cancer that affects men, namely prostate cancer. Approximately 90 thousand individuals are afflicted by this malady every year. This number is about twenty times the number of cases of testicle cancer.

## Local

### New England income among best

The US Commerce Department announced yesterday that the New England states have enjoyed the most pronounced income growth of any region in the country during the current economic expansion. High-tech industries were cited as the main contributors in the 46.5 percent expansion since 1982. Among the worst regions were the Rockies and the southwest experiencing income increases of 27 and 28 percent respectively. The small growth was attributed to falling energy prices in the area.

## Weather

### Kind of Quiet

With the jet stream to our north and west, weather in New England will be rather quiet the next couple of days. With the exception of late Saturday and early Sunday, skies should be mostly sunny this weekend.

**Friday:** Mostly sunny. Winds becoming northeasterly during the afternoon. Highs around 60° along the coast and in the 60's inland.

**Friday night:** Clear and cool, lows around 40°.

**Saturday:** Partly cloudy and a bit milder. Highs 60-65°, winds southwest 5-15 mph.

**Saturday night:** Partly to mostly cloudy with a chance of showers well to the north and west. Low in mid 40's

**Sunday:** Clearing, breezy, mild high around 60°, winds north 10-15 mph.

Forecast by Michael C. Morgan

Compiled by Darrel Tarasewicz

# THE UA CONVENIENCE STORE

The UA is looking for a  
 Manager, Assistant Manager,  
 and student workers to staff  
 the new convenience store  
 opening next month in the  
 Student Center.

Flexible  
 Hours

CALL 253-2696

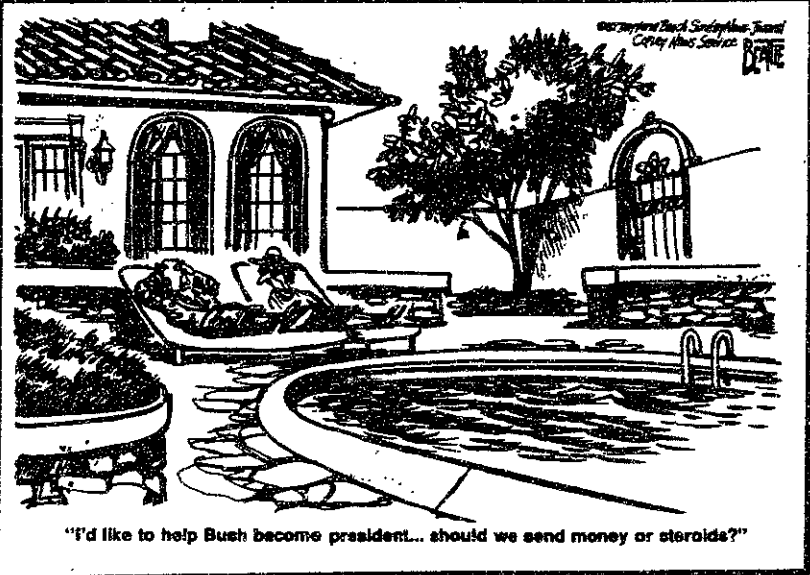
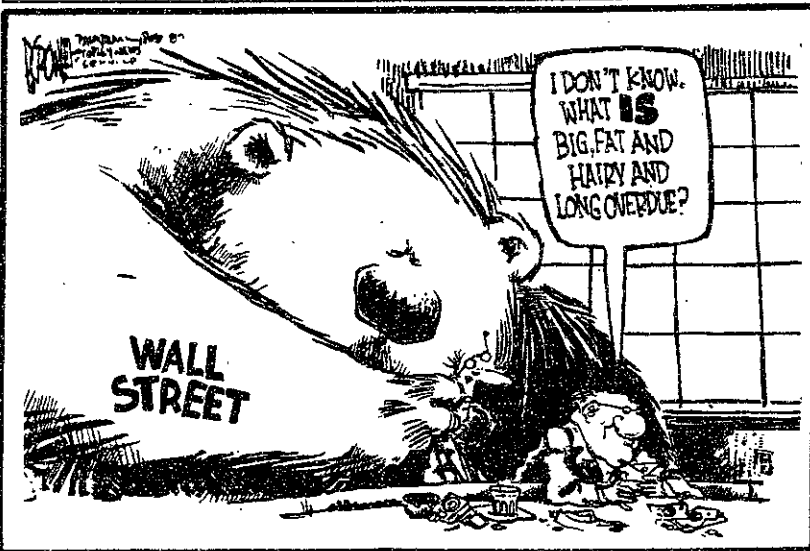
Earn  
 \$ \$ \$

FOR MORE INFORMATION

The Undergraduate Association - Improving the quality of  
 student life at MIT

# opinion

## feedback



# The Tech

Volume 107, Number 41 Friday, October 16, 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

### NEWS STAFF

**Associate News Editors:** Darrel Tarasewicz '89, Robert Adams '90, Niraj Desai '90; **Senior Writers:** Katherine T. Schwarz '86, Anuradha Vedantham '89; **Staff:** Harold A. Stern '87, Joel H. Friedman '88, Salman Akhtar '89, Derek T. Chiou '89, Mary Condello '89, Jeffrey C. Gealow '89, Marcia Smith '89, Sally Vanerian '89, Anh Thu Vo '89, Ahmed Biyabani '90, Eric L. Chang '90, Christopher P. Colby '90, Sarita Gandhi '90, Michael Gojer '90, Vance S. Hampleman '90, Anita Hsiung '90, Jai Young Kim '90, Irene Kuo '90, Priyamvada Natarajan '90, Kenyon D. Potter '90, Robert E. Potter II '90, Paula Maute; **Meteorologists:** Robert X. Black G, Christopher A. Davis G, Michael C. Morgan '88.

### OPINION STAFF

Thomas T. Huang G, Kevin J. Saeger G, Sharalee M. Field '89.

### CARTOONISTS

Kevin J. Burns '79, Shannon T. Zachow '88.

### ARTS STAFF

Michiel Bos G, Barbara A. Masi G, Julie Chang '89.

### PHOTOGRAPHY STAFF

Rich R. Fletcher '88, Tom Coppeto '89, Victor Liao '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.

### PRODUCTION STAFF

Illy King '89, Eric Brodsky '90, Marie E. V. Coppola '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:** ..... David B. Plass '90  
**Associate Night Editor:** ..... Mark D. Virtue '90  
**Staff:** Peter E. Dunn G, Jonathan Richmond G, Katie Schwarz '86, Ben Z. Stanger '88, David M. Watson '88, Mark Kantrowitz '89.

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. 59720. **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.

## Theft of uniform was harassment

(Editor's note: The Tech received a copy of the following letter.)

Dear Criminal,  
 It was Wednesday afternoon when I finally discovered what you had done. I went to my locker at Alumni Pool and found that you had removed my lock, stolen a few items, and left the door wide open. You stole my Air Force ROTC uniform. You left my shoes, T-shirt, and swimming suit. Why?

If you stole the uniform because you are desperately in need of clothing, then I'm glad I was able to help you. I'm afraid the uniform isn't very comfortable, though. I only caution you to remove the nametag. After all, the uniform isn't really mine; it belongs to the government, and by stealing it you have committed a federal offense.

If, on the other hand, you stole my uniform to show your disapproval of the military, I cannot be as compassionate. I am sad when I realize that neither this letter, nor any other reasonable argument, will dissuade your views. Your attitude towards the military is as narrow and shortsighted as the very attitude you criticize in others.

In my three and a half years at MIT, I have witnessed some very disturbing forms of discrimination. A homosexual student was harassed when someone slipped burning slips of paper into his

room. Women have been understandably offended by rude posters.

Is my situation any different? Perhaps, in your mind, it is. But to many reasonable people you have acted wrongly and harmed the cause you are supporting. Did you ever ask me what I thought about the Air Force? Have you ever wondered what I was thinking the day I signed the ROTC agreement? Somehow, I doubt it.

If you, or anyone else reading this letter, feels that ROTC does not belong on campus, or if you harbor strong feelings against the military, there are many effective and legal ways to express your

views. However, I cannot change government policy! All you have done is made me pay for a new uniform. Write to your Congressman or participate in campus discussion groups. Leave me alone.

One final note, Criminal. In June I will be commissioned as an Air Force officer. My duty from that point onward will be to protect your rights and freedoms. I may die in the process, but I will not turn away from my responsibility. I hope that you, too, will find a constructive way to serve your country and your beliefs.

Mark E. McDowell '88

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

*Dissents*, marked as such and printed in a distinctive format, are the opinions of the undersigned members of the editorial board choosing to publish their disagreement with the editorial.

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

*Letters to the Editor* are welcome. They must be typed double spaced and addressed to The Tech, PO Box 29, MIT Branch, Cambridge MA 02139, or by interdepartmental mail to Room W20-483.

Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without express prior approval of The Tech. The Tech reserves the right to edit or condense letters. Shorter letters will be given higher priority. We regret we cannot publish all of the letters we receive.

## Saeger insulted American Catholics

To the Editor:

I do not know what impelled K. J. Saeger G' ["Bork defeat hurts everyone," Oct. 6] to compare American Catholics' opinions about the Pope's teachings to Americans' attitudes about the Constitution, but I believe the analogy to be totally inappropriate.

I take exception to Saeger's statement that one is not truly Catholic unless one accepts all the teachings of the Pope, that one who opposes some teachings is a non-Catholic, and that whatever the Pope says is wrong for all Catholics.

American Catholics, like all other Catholics, like all other human beings, have the capacities to think, to examine, and to make moral decisions with regard to all issues, including those about which the Pope teaches. I do not believe that God meant for us blindly to accept human teachings, even if they come from a church leader.

We can and should question moral and religious doctrines. It is unrealistic to expect the Church to change its doctrines overnight due to public pressure. It is not unrealistic for Catholics to use their minds regarding these

teachings.

The Pope is a flesh and blood creature. He is not God personified-on-Earth. The Pope interprets God's word; God does not speak directly through the Pope.

The Pope is the head of the Catholic Church on Earth; he is our spiritual leader. But he is not above the Church — he is part of it.

I ask you, Mr. Saeger: What gives you the right to sit in judgment of us and declare self-righteously that "those who oppose the teachings of the Pope are somehow less Catholic"?

Mary Condello '89

## UA accepts resignation of new store manager

To the Editor:

The Undergraduate Association Council voted in its last meeting on Wednesday, Oct. 14, to approve the details of operation of the UA Convenience Store as proposed by the UA Executive Board. In approving this proposal, the council also approved the appointment of Jose A. Gonzalez '89 as the store manager.

It is with sadness and indignation that the UA Executive Board accepts Jose's resignation, effective Nov. 14. He will work until then in the interest of opening the store as soon as possible and to enable the UA to find a replacement. His resignation is wholly due to the insult of his appointment being called nepotism. Jose feels that it is impossible to work effectively as a manager under these circumstances.

When the UA was presented last month with an opportunity to open a store, finding a person to take on the responsibility of managing was vital. To take advantage of this opportunity, the UA needed to respond quickly.

A number of names was considered by the acting members of the Executive Board; however,

because of the commitment and responsibility involved in such a job and the time constraints placed on the UA to reply, the field quickly narrowed. After being interviewed, Jose was selected.

It is disappointing that such a willing and competent person, chosen by a legitimate process,

feels forced to resign. We thank Jose for his efforts to bring a student convenience store to this campus.

The UA Council Executive Board

Alan Davidson '89

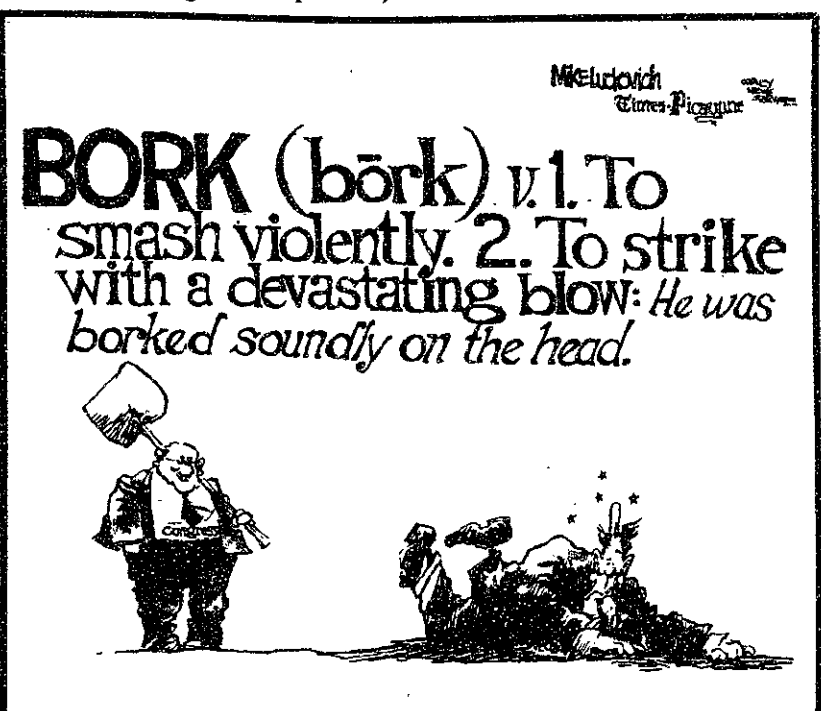
Howard Eisen '89

Katie Hays '90

Thomas Knight '90

Manuel Rodriguez '89

Vijay Vaitheeswaran '90



# opinion

## feedback

### Boston regionalism has not changed for years

To the Editor:

Michael J. Garrison's column ["Boston seen through west coast eyes," Sept. 4] is a reminder that some things change very little in 50 years.

When I was an undergraduate my fraternity used to subscribe to the *Boston Herald* for the Dahl cartoon and the local scores, but we took *The New York Times* to get the news. In those days, the *Globe* was a rag not worth the house room. But even the *Times* did not print the west coast football scores (the edition I get Sunday morning still does not).

My New York friends at MIT used to laugh at the provincial Bostonians, and I laughed with them. Then I went to New York to work after graduation. There I discovered that New Yorkers thought that everything west of

the Hudson was Indian country.

There are two stories about Bostonians I heard as a freshman that are now so old they may even be new. One was about the lady from Beacon Hill who had made a motor tour of the National Parks and the Pacific coast. When she returned a friend asked what route she had taken. "Via West Newton," she said.

The other was about Harvard President Conant, then new in office. While still a Harvard professor he had been invited to be president of an institution in the Middle West. He refused on the grounds that he was recently married and his wife did not wish to live in Ohio. "Besides," he added, "if she would live in Ohio, I wouldn't have married her."

Robert W. Blake '41

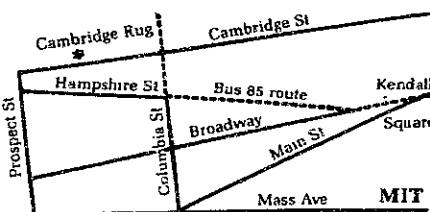


### 9' x 12' Rugs Starting at \$79.95

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

### OUR FINANCIAL ANALYST PROGRAM: More than a learning experience

RECEPTION

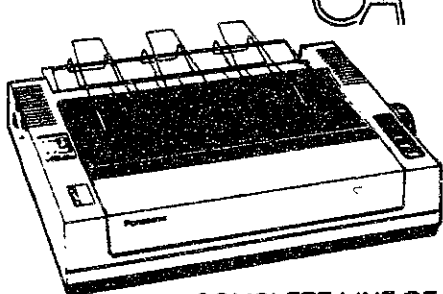
TUESDAY, OCTOBER 20

at 4:00 p.m.

*Le Meridien Hotel, Margaux Salon*  
*250 Franklin Street, Boston*

We invite all Babson, Boston College,  
Boston University, MIT, Northeastern,  
Tufts and Wellesley Seniors  
to get to know the people and  
Finance opportunities available  
at Salomon Brothers.

### Panasonic Printers



A COMPLETE LINE OF PANASONIC COMPUTERS

starting at  
**\$229**  
with  
Panasonic  
Dot Matrix

### P-C COMPATIBLE

SYSTEM INCLUDES: **\$595**

DUAL SPEED PROCESSOR  
AT STYLE KEYBOARD  
256 K RAM  
(EXPANDABLE TO 640K ON BOARD)  
360K FLOPPY DRIVE  
MONOCHROME MONITOR  
MONOCHROME GRAPHICS CARD  
PARALLEL INTERFACE  
150 WATT POWER SUPPLY

### DESKTOP PUBLISHING COMPLETE SYSTEMS



(617)492-2345

Store Hours:  
Mon-Fri 9-6 Sat 9-3

**E.L.I. COMPUTERS inc.**

YOUR HOME AND OFFICE COMPUTER STORE  
139 HAMPSHIRE STREET CAMBRIDGE, MA. 02139

**Salomon Brothers Inc**

Market Makers and Investment Bankers  
One New York Plaza, New York, NY 10004

# COLUMBUS DAY SALE

## October 9th-18th



**Use your head—don't miss out on great savings.**

**Denim Men & Women**

**25% OFF** Every single pair of jeans for men and women on the Street Level.

**50% OFF** All summer shoes, Street Level.

**Women's Contemporary Sportswear**

**50% OFF** Huge savings on all summer and early fall sportswear for women, Street Level.

**30% OFF** Hosiery by Hanes and DIM, assorted colors, sizes and textures, Street Level.

**25% OFF** All Guess tops for women, Street Level.

**25% OFF** Selected women's fashions by MEXX, Street Level.

**20% OFF** All Lanz nightgowns, Street Level.

**\$12** Just \$12 for 100% cotton turtlenecks for women. Available in assorted colors and sizes, Street Level.

**Men's Contemporary Sportswear**

**75% OFF** Huge savings on men's contemporary summer sportswear, Street Level.

**50% OFF** All Calvin Klein belts and socks for men, Street Level.

**25% OFF** Selected MEXX sportswear for men.

**Housewares**

**20% OFF** Black and Decker Toaster Ovens. Originally priced at \$59.99 and \$49.99, NOW \$47.99 and \$39.99, Lower Level.

**20% OFF** All Conair personal Hair Care Products. Featuring the Twist and Curl Trio, NOW \$12.99; and the Vagabond Hair Dryer, NOW \$17.99, Lower Level.

**20% OFF** Holmes Air Portable, Whisper Quiet Ultrasonic Humidifier. Originally \$49.99, NOW \$39.99, Lower Level.

**20% OFF**

Coordinated sheets and comforters by Marimekko. Choose from four patterns, all available in twin, full, or queen.

Twin Flat/Fitted	orig. \$10	NOW \$7.99
Full Flat/Fitted	orig. \$14	NOW \$10.99
Queen Flat/Fitted	orig. \$18	NOW \$13.99
Pillow (set of 2)	orig. \$12	NOW \$8.99
Comforter, Twin	orig. \$48	NOW \$37.99
Comforter, Full/Queen	orig. \$60	NOW \$47.99

**20% OFF**

Organize your closet with Closet Mates storage units and hangers.

Underbed & Storage Boxes	orig. \$4	NOW \$2.99
4-drawer Chest	orig. \$16	NOW \$11.99
Shoe Organizer & 3-drawer chest	orig. \$12	NOW \$8.99 ea.
Shelf Organizer	orig. \$8	NOW \$5.99

Hangers: tie & belt rack; blouse & skirt add-on; slack rack; overdoor hangers; drip dry; and more. Originally priced at \$1-4, NOW 79¢-\$1.99, Lower Level.

**20% OFF**

Home Office Organizers

Two-Drawer File	orig. \$15.95	NOW \$11.99
One-Drawer File	orig. \$10.95	NOW \$7.99
Bill Organizer	orig. \$11.95	NOW \$8.99
Active File	orig. \$8.95	NOW \$6.99

**\$74.99**

Panasonic Easa-Phone Answering Machine is specially priced. Originally priced at \$89.99, Lower Level.

**Bargain Books**

**50-80% OFF**

A good read at a great price. The Bargain Book section is on the Fourth Level. Bargain Books are 50-80% off the publisher's list price every day!

**InPrints**

**25% OFF**

The Structural Industry Frame of your choice with the purchase of any print or poster at InPrints, Third Level. Frames are available in assorted colors, metal, wood or formica.

All markdowns have been taken off the original price of the merchandise. No rain checks are available. Sale items are good while supplies last. The B.U. Bookstore Mall will be closed Columbus Day, Monday, October 12.



## B.U. Bookstore Mall

There's something more to New England's largest bookstore.

660 Beacon Street, Kenmore Square, Boston, 02215

**FREE PARKING**  
around the  
corner on  
Deerfield Street  
(two-hour limit)

**MBTA**  
Green Line  
to Kenmore

Major Credit  
Cards Accepted

**HOURS**  
M-F 9:30-7 pm  
Sat. 10-6 pm  
Sun. 12-5 pm

**BOOK ORDERS &  
GENERAL INFORMATION**  
(617) 267-8484  
MA 800-553-3550  
Northeastern States  
800-553-5531

## UA approves Student Center store

(Continued from page 1)  
\$56,000 annual budget, would absorb any losses.

But Rodriguez added that the store would almost certainly be viable. He noted that the store only had to earn \$1000 a week to break even. This is only about one percent of the receipts for similar items at the old Student Center Coop, Rodriguez asserted.

But Emerson countered that Student Center business was significantly lower because of on-going renovations. She noted that receipts from the pinball room were down about 50 percent, and that the tailor could not break even in his new location.

Rodriguez said "it's really sad" that Emerson was criticizing the plan. He asserted that she was upset because SCC wanted to use the store space for a television room.

Emerson denied that that was the reason for her opposition to the plan. She said that if the UA had a good plan, she would have strongly supported it. But the current plan will fail and "possibly bring down student government with it," she claimed.

She explained after the meeting that SCC members had been the most vocal opponents of the plan because they understood how difficult it was to run a business.

### Manager submits resignation

Jose A. Gonzalez '89, who had been appointed store manager by the UA Executive Board, resigned only hours after the UA Council meeting. Some students challenged the process which led to his selection.

Gonzalez, a friend of Rodriguez, had been selected for the manager's position because the executive board needed someone they knew could be trusted, Rodriguez said. He noted that the manager would be handling a considerable amount of money, as well as managing the payroll of the store (store employees will be paid a wage determined by the manager; the manager and his assistant will be paid a wage to be determined by the executive board).

"The executive board decided that [members] would propose people [they] knew," Rodriguez said.

But Emerson attacked the executive board for not advertising the position to the entire student body. "You're making an ethical decision for the MIT community," she said. Emerson said it was wrong for the board to assume that students could not be trusted.

Rodriguez countered that it would be his responsibility if money was lost; he also noted that an SCC member had stolen \$30,000 from the organization several years ago.

### Use of Coop questioned

Several students argued that the UA should consider other suppliers besides the Coop for the new store. The Coop had initiated talks with the UA about setting up the student store.

Russell argued that other suppliers had better merchandise. She said University Stationery would provide supplies to the store at 30 percent below retail (about the same as the Coop). But she added that they would provide a greater variety of goods than the Coop.

While the store will initially sell items at Coop prices, Rodriguez noted that the plan explicitly said that the store would discount goods if it was feasible. He added that the store could use other suppliers once it was in operation.

While Rodriguez, a former member of the Coop Board of Directors, acknowledged that the Coop would try to use the store to help it get space in the renovated Student Center, he said that he told both the Coop and MIT administrators that the UA store should not influence space allocation once the renovations are complete.

### Hours and security

Several students were critical of the limited hours for the store — it will be open from 11 am to 4 pm weekdays.

Gonzalez explained that these hours corresponded with the peak hours that the Coop had in the Student Center. He added that it would be economically unfeasible for the store to be open longer initially and still break even. Gonzalez said the hours could be extended later if there seemed to be a demand.

But Katz argued that the Coop's peak hours were simply determined by its operating hours. Along with several other students, he suggested that the store be open during the evening hours.

Nevertheless, a motion to operate the store from 11 am to 7 pm was defeated by the UA Council.

Russell also expressed concerns about the security of the store. She noted that the store would be in a temporary room which has little traffic at night.

But Gonzalez said the room would be alarmed, and argued that it would be impossible to break in to without attracting attention.

Rodriguez added that the UA was working with the Campus Police on security for the room.

## Contact Lenses Eye Exams Designer Frames

Drs. Traudi Miller, O.D.  
Gary Moss, O.D.

NEW  
ENGLAND  
EYE CARE

205 Harvard Avenue  
Allston, MA 02134  
On the MBTA Green Line  
at Commonwealth Ave.

232-0222  
Eve. & Sat. Hours

\$ 20 STUDENT  
DISCOUNT

on contact lens fitting and service policy  
or glasses with exam. (With this ad)

MCRVISA

## JEWISH INTRODUCTIONS

We announce for you:



- An unpressured, student-designed service to introduce you to other Jewish graduate and undergraduate students in Boston.
- We feature a brief informal interview\* and we will match students from all of the Boston area schools. Interviews will be conducted at your campus beginning late October and at regular intervals throughout the academic year. Matches will be made between November and May.
- You and your potential friend will each receive a confidential letter, so that you can arrange to meet each other at your mutual convenience. Whenever possible, participants will receive more than one match upon completion of a follow-up questionnaire. All inquiries and information will be held in strict confidence.
- There is a non-refundable eighteen dollar fee for students and a forty dollar fee for non-students. Payments are due at the time of the interview.
- Call Arlene at 266-3882 between 9 a.m. and 2 p.m., Monday through Friday for interview appointments and information.
- Interviews will be held at MIT on October 19 and 20.

\*Cancellations must be made 24 hours in advance

A project of the Metropolitan Outreach Program of the B'nai B'rith Hillel Council of Greater Boston,  
233 Bay State Road, Boston, MA 02215 • Beneficiary of Combined Jewish Philanthropies.  
• Rochelle Steinberg, Director of Jewish Introductions.

### Harvard-Epworth United Methodist Church

1555 Massachusetts Ave.  
opposite Cambridge Common

Sunday Worship: 9 and 11 am

### 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.

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

# Build a Dream Machine at AMD

Every new grad wants to be involved in interesting and challenging projects. The reality is that at AMD, you really will have a chance to choose within a wide range of technologies right away. Our innovation lies in the creation of every type of memory, logic and microprocessing integrated circuit that will make the dream machines of the future possible.

When you choose to begin your career at AMD, you will find an upbeat spirit that belies our power as the world's largest exclusive producer of integrated circuits. Our recent merger with Monolithic Memories has brought us even more strength and financial muscle. Your BS, MS or PhD in Electrical Engineering, Chemical Engineering,

**Advanced  
Micro  
Devices**

One great company.

Solid State Physics, Materials Science, or Computer Science could be your entry into one of the most stimulating and innovative environments in the semiconductor industry. Opportunities are available at our Sunnyvale, California headquarters and at our Austin and San Antonio, Texas facilities.

Info. Session: October 20  
On-Campus Interviews  
November 4

Check with your Placement office for more information. If you can't attend our Interview and Information Sessions, contact us directly. Send your resume to University Recruiting, Advanced Micro Devices, MS-57, 901 Thompson Place, P.O. Box 3453, Sunnyvale, California 94088. Or call TOLL FREE (800) 538-8450, Ext. 2799, or call directly (408) 749-2799. An equal opportunity employer.

You may find yourself  
building a Dream Machine.

Interviewing  
Thursday,  
November 5

# HARDCORE SOFTWARE

Stop fooling around. It's time to get hardcore about software. With Microsoft.

We'll give you all the resources you want. Tens of millions in R&D funding. Along with one of the most elementary tools for thinking—a door, which leads to your own private office. All backed by management that truly *does* speak your language, because they probably helped write it.

We're serious about software design. If you are too, then sign up for an on-campus interview.

## Software Design Engineers

We're working on everything from compilers, operating systems, and networking to sophisticated graphics, powerful productivity software, and more. In fact we're working on some truly visionary ideas we can't even reveal yet. You could be too, if you have programming experience and a background that includes micro's, "C", 8086, UNIX\*/XENIX™, or MS-DOS®.

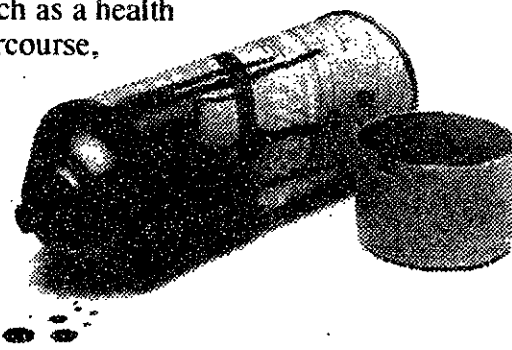
## Program Managers

Instant responsibility. You select the features, you shape the product, you design the user interface for new generations of software. Guide product development from programming through documentation and testing. Keep your product at the forefront of technology by knowing your competition and product trends.

There are opportunities to work with our teams in applications, systems, languages, or CD-ROM. If you're about to graduate with a B.S. in computer science, math or a related major, we want to talk to you.

Microsoft offers you an opportunity to live and work where the quality of life is high and the cost of living is low — the beautiful Pacific Northwest. Along with amenities such as a health club membership, workout facilities and parcourse, plus an array of benefits.

Begin by attending our on-campus interviews on Thursday, November 5. Contact your Career Placement Office to sign up. We are an equal opportunity employer.



# Microsoft®

©1987, Microsoft Corporation  
\*UNIX is a trademark of AT&T Bell Laboratories.  
XENIX and MS-DOS are trademarks of Microsoft Corporation.

# comics

Outside Looking In

By V. Michael Bove



# BOOKS

## RANDOM HOUSE HUMOR

Read Yourself Raw

Edited by Art Spiegelman and Francoise Mouly

Read Yourself RAW brings back the golden oldies of New Wave cartooning in a stunningly reproduced new anthology including Art Spiegelman's "Two Fisted Painters," Mark Beyer's City of Terror Bubble Gum Cards, and many more of your favorites.

Published by Random House

14.95

## Agony

by Mark Beyer

If you haven't seen Mark Beyer's work, you haven't seen anything like Mark Beyer's work. Agony depicts the ongoing adventures of Amy and Jordan, who are in constant danger. If you like black humor, this is the blackest. Beyer is a Hieronymus Bosch for the 1980's.

Published by Random House

7.95



MIT COOP AT KENDALL

3 Cambridge Center

M-Fri 9:15-7pm,

Thurs. 'til 8:30

Sat 9:15-5:45pm

Coop Charge, MasterCard, Visa and American Express welcome.

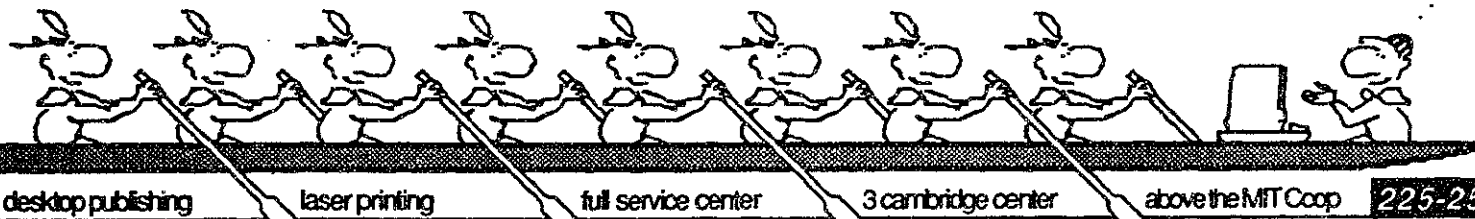


## LASER INK

incorporated

from "Head of the Charles" to head of the class!

scull on in



Woodsy Owl for Clean Air

Give a hoot. Don't pollute.

## 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.



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.

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

LUXEMBURG	348
LONDON	369
PARIS	428
SYDNEY	1085
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

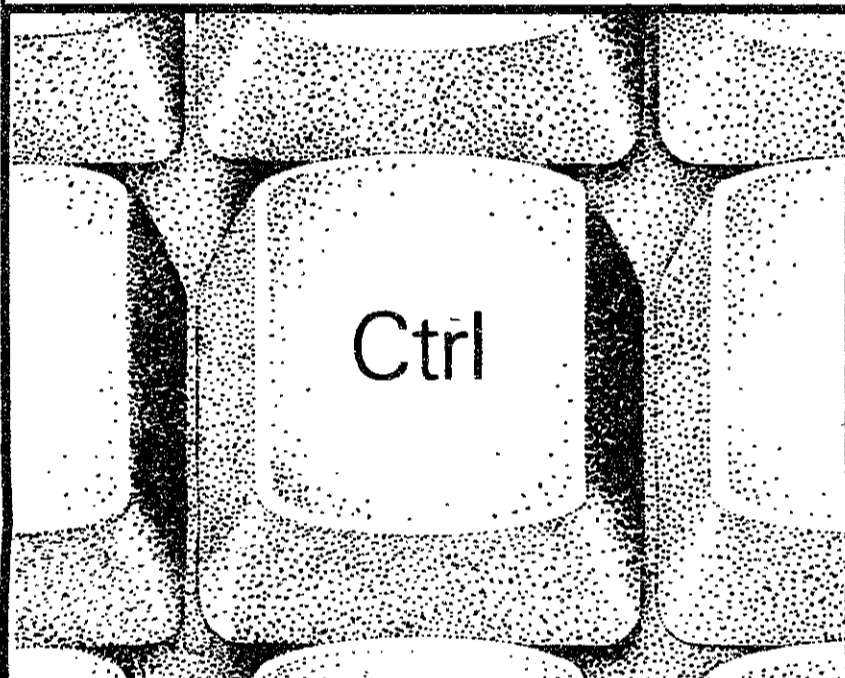
BOSTON CAMBRIDGE  
(617) 266-1926 (617) 497-1477



Attention  
Class of 1988

Class Ring  
Orders  
will be taken  
Tuesday & Wednesday  
October 20th & 21st  
Lobby 10  
10 am to 3 pm

Balfour



## Control Your Destiny

At this year's Northeast Computer Faire, thousands of New England's computer enthusiasts and business professionals are returning to take control of technology through:

- A spectrum of computer systems, including the new PS/2 family, as well as software, peripherals, add-ons, supplies and more
- A 39-session conference program
- 16 separately-priced Professional Development Seminars (In-depth coverage of topics such as OS/2 for Developers, LANS, Artificial Intelligence and others)
- TECH FAIR, a career advancement bazaar (Friday and Saturday only)
- Dozens of dynamic hands-on demos, each day! Free Desktop Publishing Classes
- In-depth vendor presentations
- Featured vertical market tracks and exhibits

We'll put the control in your hands.

Admission: \$15-3 Days; \$9-one day; Boston Computer Society and Students with appropriate ID-\$7 one day. All prices include conference program and TECHFAIR.

For further information, call Andrew Shapiro at (617) 449-6600, ext. 5077.

## THE 10<sup>TH</sup> NORTHEAST COMPUTER FAIRE

The Control Key.  
October 15-17, 1987 • World Trade Center, Boston  
Hours: Thursday and Friday, 10-6; Saturday 10-5.

The Northeast Computer Faire is produced by The Interface Group, Inc.

### VENDOR PRESENTATIONS

Thursday, 10/15	Friday, 10/16	Saturday, 10/17
CAD/CAM Journal 1:00-2:00	Digital Programming Services, Inc. 10:30-11:30	Ergotext 10:30-11:30
CYMA/McGraw Hill 2:30-3:30	Reference Software 1:00-2:00	1st Desk Systems 1:00-2:00
NTERGAID 4:00-5:00	SourceMate 2:30-3:30	
	Dragon Systems 4:00-5:00	

TECH FAIR is produced by Business People Inc.

© 1987 The Interface Group, Inc.

## "A MORE REMARKABLE ACHIEVEMENT THAN 'A ROOM WITH A VIEW'."

—Stephen Harvey, VILLAGE VOICE

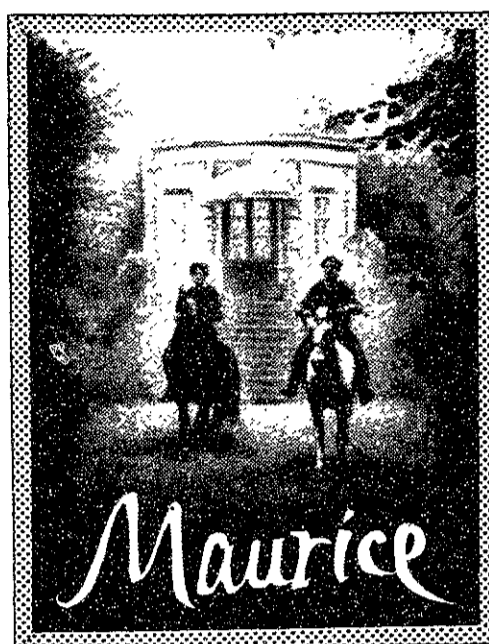


WONDERFULLY INTELLIGENT AND GRACEFUL."  
—Kathleen Carroll, NEW YORK DAILY NEWS

"A MASTERPIECE. THE GREATEST MOVIE OF THE YEAR."  
—Richard Freedman, NEWHOUSE NEWSPAPERS

"MAURICE' IS NOT TO BE MISSED!"  
—Guy Flattery, COSMOPOLITAN

"MERCHANT-IVORY MAGIC."  
—Janet Maslin, NEW YORK TIMES



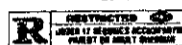
METICULOUSLY CRAFTED, INTELLIGENT AND ARTFUL."  
—Jack Garner, GANNETT NEWS SERVICE

"DAZZLING... one becomes involved, moved, shaken... a brilliantly wrought movie."  
—Peter Travers, PEOPLE

"AN EXQUISITE FILM... UNFORGETTABLE."  
—Judith Crist, WWOR-TV

"THE FINEST FILM OF THE YEAR."  
—Daphne Davis, ELLE

MERCHANT IVORY PRODUCTIONS for CINECOM and FILM FOUR INTERNATIONAL presents E.M. FORSTER'S "MAURICE" with JAMES WILBY HUGH GRANT RUPERT GRAVES DENHOLM ELLIOTT SIMON CALLOW BILLIE WHITELAW BARRY FOSTER JUDY PARFITT PHOEBE NICHOLLS and BEN KINGSLEY  
Directed by JAMES IVORY Produced by ISMAIL MERCHANT Screenplay by KIT HESKETH-HARVEY and JAMES IVORY Photography by PIERRE LHOMME Editor KATHERINE WENNING Costume Design by JENNY BEAVAN and JOHN BRIGHT Music by RICHARD ROBBINS



Original Soundtrack Album Available On RCA Red Seal  
Paperback Available From W.W. Norton



USA CINEMAS  
NICKELODEON  
606 Comm. Ave.  
424-1500

1:00-4:00-7:15-10:00  
FRI & SAT 12:30

USA CINEMAS  
JANUS  
57 J.F.K. Street  
661-3737

12:00-2:30-5:00  
7:30-10:00

## Discuss Your Future With General Electric "CAREER FAIR"

### Who?

Engineers:  
Electrical  
Mechanical  
Chemical  
Nuclear  
Aeronautical  
Computer

Scientists:  
Computer Science  
Mathematics  
Physics  
Chemistry

### What?

Technical Managers will provide information on career opportunities within the General Electric Company in such fields as:

- Artificial Intelligence
- Expert Systems
- VLSI
- Robotics
- CAD/CAE/CAM
- Computer Graphics
- Semiconductors & Microelectronics
- Plastics
- Metallurgy
- Ceramics
- Software Engineering
- Signal Processing
- Controls/Automation
- Aerospace Systems
- Medical Diagnostic Imaging Systems

Various career entry paths from MIT to GE will be discussed. These include Development Programs as the:

- Edison Engineering Program
- Manufacturing Management Program
- Chemical-Metallurgical Management Program
- Software Technology Program
- Information Systems Management Program
- Research Technology Program

### When and Where?

Wednesday, October 21 (4 — 6 p.m.)  
Building 34  
Room 101

### What else?

Light refreshments and handouts.

The future is working at General Electric



An equal opportunity employer

## Alcohol policy faces enforcement problems

(Continued from page 1)

### UA examines policy

The UA has established a new committee to examine the use of alcohol on campus. Committee Chairman Thomas P. Knight '90 said the committee was formed to preempt any new policy from being imposed on the student body.

One of the committee's first goals is to conduct a student survey on the use of alcohol on campus. The administration cannot

do this itself, because it would be a violation of privacy, Knight explained. Knight said the data from the survey alone would be very helpful and justify the committee's formations.

The committee will also grapple with the issues bothering the administration, Knight said. Knight has already spoken with Olivieri, Fienman, and Henneberry. He suggested that the committee might submit its own revisions to the current alcohol policy.

## Court drops case against two arrested at R/O sodium drop

By Darrel Tarasewicz

Daniel Fox '90 and Blaine Johnston '90, who had been arrested Sept. 2 for their alleged involvement in the dropping of sodium off Longfellow bridge into the Charles River, had their charges dismissed last Friday upon payment of court costs.

Johnston said that both he and Fox had to pay \$50, and in return would avoid a trial. He claimed that the MIT Legal Department arranged the plea bargain pri-

marily to protect the identity of the East Campus students who executed the drop.

Both students had been charged with possession of fireworks and disorderly conduct. Johnston explained that the disorderly conduct charge mainly stemmed from the noise generated from the incident. All that remains now is to sign documents in November which will clear both students' records of these charges.

## Tonegawa wins Nobel for work in immunology

(Continued from page 1)

one correspondence exists between genes and their protein products. In all other body systems, a single gene is responsible for encoding a single protein product.

The 48-year old Japanese citizen used mouse cells to study the immune response to bacterial agents. He explained that genetic mutation, which results in a seemingly infinite variety of antibodies, is an essential characteristic of the "fine tuning" of the immune system.

"It's like when GM builds a car that they want to meet the specific needs of many customers," Tonegawa said at a Monday press conference at the Center for Cancer Research. "If they custom-make each car, it is not economical, so they make different parts, then they assemble it in different ways, and therefore one can make different cars. It's a matter of how you assemble those pieces."

Professor Phillip A. Sharp, director of the Center for Cancer

Research, called the Nobel decision "a moment of celebration in science." Sharp, who nominated Tonegawa for the prize, called the scientist a "very stimulating, world-class scientist [who] has bestowed excellence on all of us."

Professor of Biology David Baltimore '61, director of the Whitehead Institute, explained to *The Boston Globe*: "Since the immune system is the key defense (Please turn to page 23)



## 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.

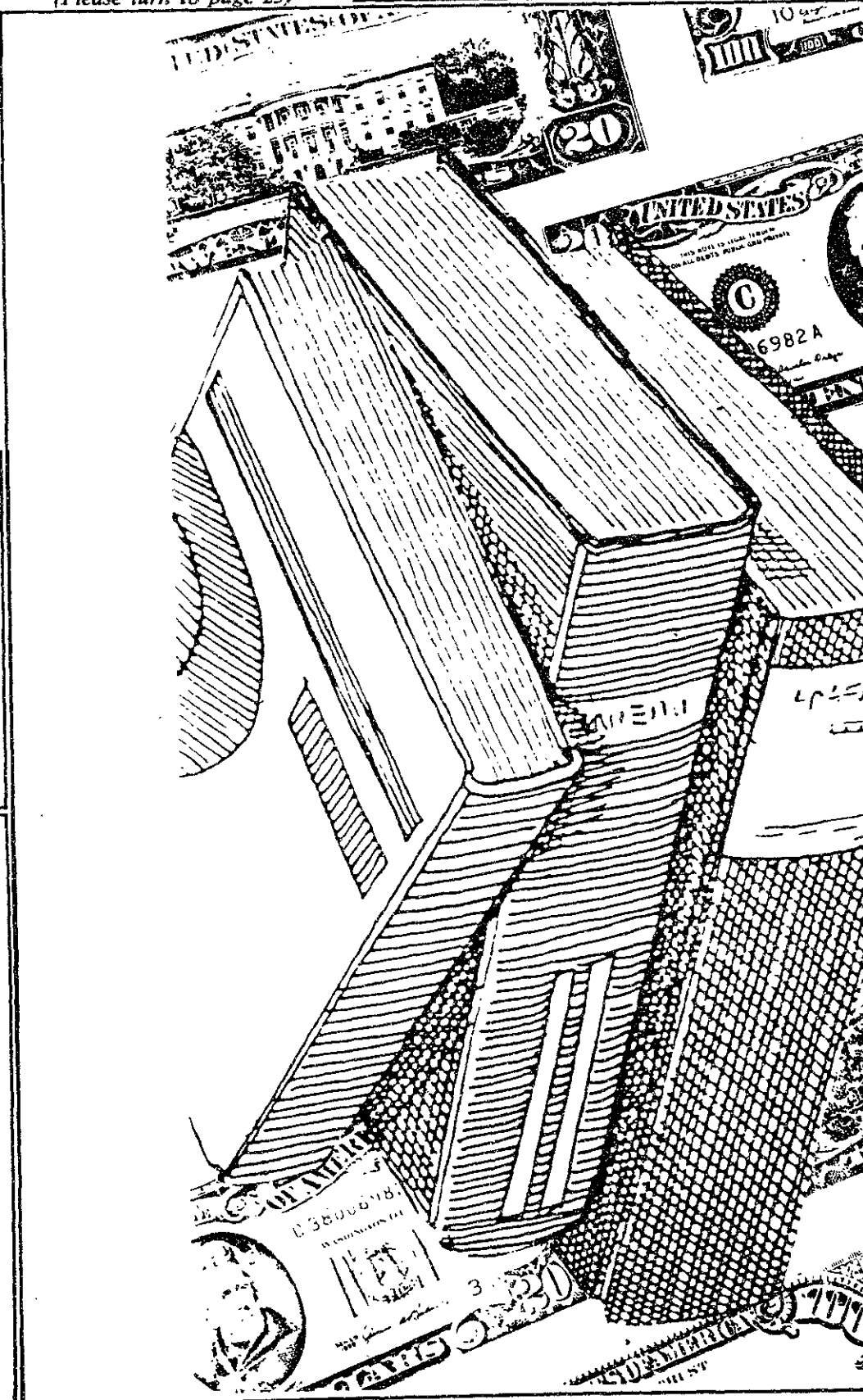
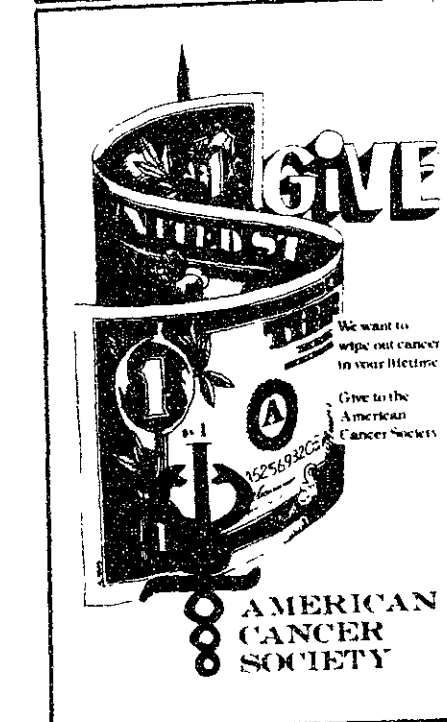
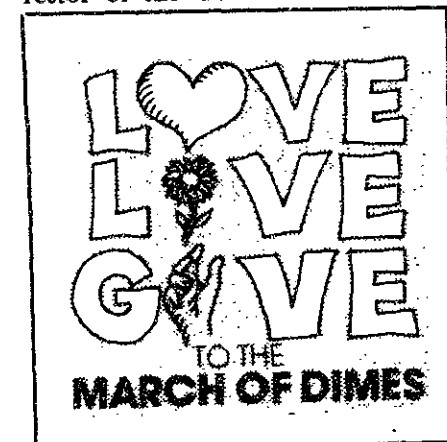
#### Trip Extensions:

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.*



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

## City of Cambridge proposes animal research ordinance

(Continued from page 1)

not all researchers are equally concerned about the well-being of animals. And we know that numerous instances of shocking abuse in laboratories have surfaced across this country," Agha continued.

If the ordinance is enacted, Cambridge would be the first community in the United States to have such an animal rights policy, according to Professor of Political Science Harvey M. Sapolsky, a CCRR member.

The ordinance was heard before the Cambridge City Council Sept. 15. A Blue Ribbon Committee was appointed by the council to study the issue further before a vote would be taken on the proposed ordinance. This fact-finding committee — consisting of an animal researcher, welfare, and veterinarian — may take up to two months to com-

plete its study, Zuch said.

At the hearing, Agha spoke at length in support of the ordinance and held up a number of enlarged photographs showing such cruelties as monkeys restrained and cats and other animals with wires and devices in their heads, according to a *Boston Globe* interview the following day. Agha said he knew of cases in Cambridge where animal abuse had occurred such as experiments involving eye manipulation where the eyelid of an animal would be sewn shut.

On the other hand, in a report revealed last spring, Cambridge Commissioner of Health and Hospitals Dr. Melvin Chalfen said that there was no evidence of cruelty to animals at the 13 institutions he checked. These included MIT, Harvard University, and Arthur D. Little, Inc.



This space donated by The Tech

How far can you go without feeling hungry? Call us now!!

### PIZZA WHEEL



Large pizza - 2 free items  
Small pizza - 1 free item

Prior discount coupons not applicable. Offer expires 10/20/87

Do you like talking on the phone?  
Winning prizes?  
Eating pizza?



Bring your friends, come to the Bush Room (10-105) to call Alumni and Alumnae at

## THE STUDENT FINANCIAL AID TELETHON

MONDAY, TUESDAY & WEDNESDAY  
OCTOBER 26-28  
6-10 P.M.

Contact Barbara Peterson at 3-8200 or come by 10-140 to sign up or get more information.

## INTIMATE APPAREL

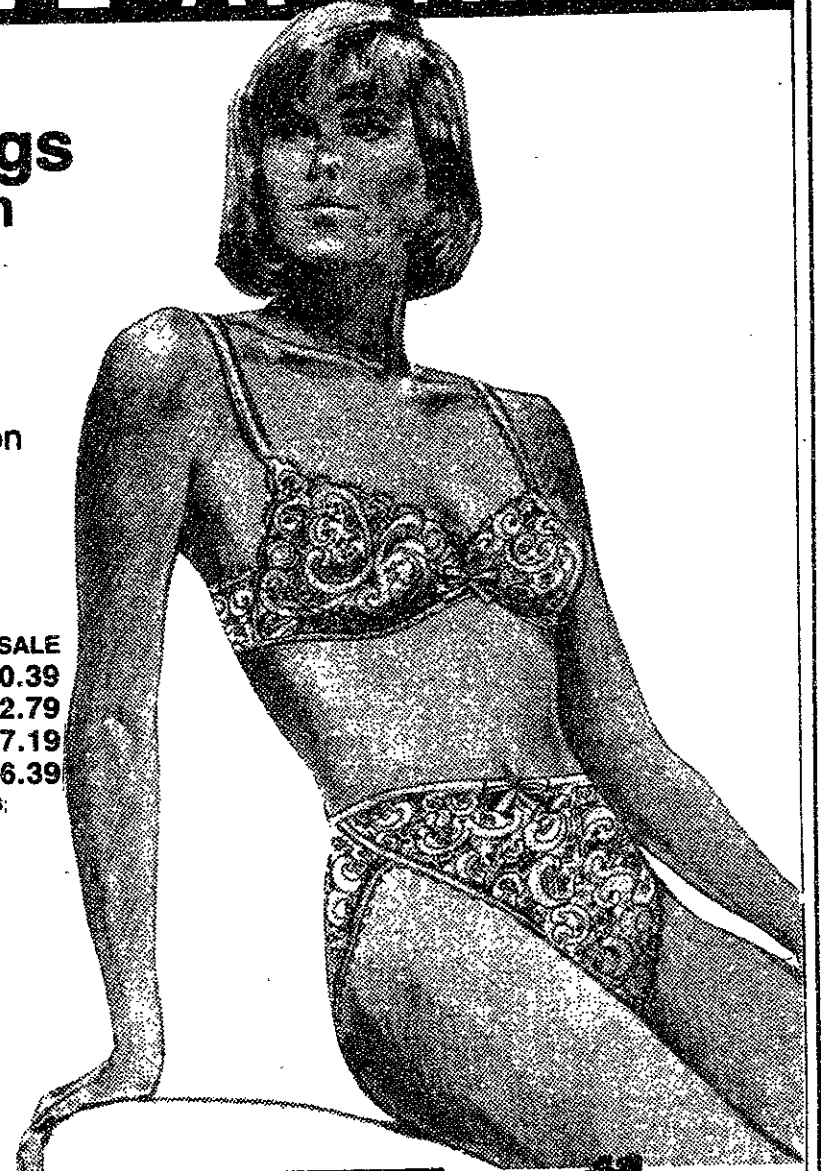
### 20% Savings on Maidenform Private Affairs

Soften up with Maidenform's Private Affairs Stretch Lace Group. Stock up now on Maidenform under garments at "under" prices.

Stretch Lace Group:

	Reg.	SALE
Soft Cup	\$13	10.39
Underwire	\$16	12.79
Hi Leg Brief	\$9	7.19
Hi Bikini	\$8	6.39

Available in white or black. Bra sizes 32,34,36; bikini sizes S, M, L. All savings based on Coop's regular prices.



HARVARD SQUARE  
Cambridge  
M-Sat 9:20-5:45pm,  
Thurs 'til 8:30

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

COOP AT LONGWOOD  
333 Longwood Ave.  
M-Fri 9:15-7pm  
Thurs 'til 8:30  
Sat 9:15-5:45pm

the Coop

### The Institute for the Study of Human Knowledge Fall Lecture Series

## Computers, Work, and Society

- Oct 19 **Mitchell Kapor**  
*Founder, Lotus Development Corp.* Computers as Intelligence Amplifiers
- Oct 26 **Shoshana Zuboff**  
*Harvard Business School* The Future of Work and Power in the Age of Smart Machines
- Nov 2 **Randall Davis**  
*MIT Sloan School of Management & MIT Artificial Intelligence Laboratory* Artificial Intelligence: Present Realities and Future Prospects
- Nov 9 **Joseph Weizenbaum**  
*MIT Laboratory for Computer Science* The Status of Knowledge in the Information Society
- Nov 16 **Michael Scott Morton**  
*MIT Sloan School of Management* Management in the 1990's

Monday evenings, 7:30 - 9:00 p.m.  
Harvard University Science Center, Lecture Hall D  
Admission: \$5 at the door

For more information, or to make advance reservations, call 497-5217.

Co-sponsored by the Harvard University Center for Lifelong Learning.

# Democrats lack strong Presidential candidates

(Continued from page 2)

litical positions — praising Che Guevara in Castro's Cuba, for example — and the accusations of anti-Semitism against him.

Since 1984, Jackson has been moderating his stands and his image in order to widen his base of support. Jackson's appeals to financially-strapped white farmers in the Midwest have been widely publicized.

But the most important thing about Jesse Jackson's candidacy is race, Stewart said. Race is the reason for Jackson's considerable electoral strength; race is also what will keep Jackson from ever becoming president. No matter what Jackson's political positions are, many whites will never vote for a black candidate, Stewart asserted.

Even though Jackson will not get the nomination, Stewart felt he would, with his black support, wield certain influence in the Democratic race up through the convention.

Except for Jackson, Massachusetts Gov. Michael S. Dukakis is the only Democrat with sizable name recognition, Stewart said. Dukakis has been hurt by his aides' part in the Joe Biden scandal, but he is likely to pull through, he added.

Dukakis has been his candidacy on his reputation as a cool, cerebral manager and as the architect of Massachusetts' economic recovery. But some argue that some of things he takes credit for are not really his doing. Many say that Dukakis has been forced to be an economically stringent governor because of Proposition 2½, and that the state's recovery is based on luck and the growth of defense industries in Massachusetts, Stewart noted.

Among Dukakis' principal assets is his television appearance. He was host of the PBS series

*The Advocates* before entering politics. On camera, he comes across as real, Stewart said. Dukakis' principal defect, which he shares with other candidates, is that he appears lackluster.

US Sen. Albert Gore (D-TN) and US Rep. Richard Gephardt (D-MO) have been changing their positions in recent months, Stewart said.

Gephardt, once a relative moderate, has moved steadily leftward to win the nomination. Once an opponent of abortion, Gephardt has now recanted that position and tried to pick up on more liberal issues like trade and farm subsidies.

Gore is moving in the opposite direction. He is very liberal for a Southerner. The American Conservative Union rated him only 9 on a 100 point scale.

But in recent days, "he has been sounding sort of like George Wallace," Stewart said. By taking hawkish foreign policy positions and accusing his opponents of being "soft" on defense, Gore is trying to portray himself as the natural candidate of Southerners.

US Sen. Paul Simon (D-IL) "is running as Harry Truman," Stewart said, citing Simon's folksy campaign manner. "He must go to bed in his suit every night" to get them appropriately rumpled — rumpled suits, and bow ties have become part of Simon's image.

Simon is also the only candidate running as an out-and-out liberal. Stewart credited Simon with being politically savvy and a risk taker, but felt his liberalism might limit his appeal. Also, a high spending race for Senate in 1984 may have burned out his contributors, Stewart added.

People joke that former Arizona Gov. Bruce Babbitt is a "Southwestern Dukakis without the charisma," Stewart noted.

Babbitt, like Dukakis, is running on his managerial skills. Babbitt, even more than Dukakis, does not generate excitement.

In order to appease his Arizona constituents, Babbitt has taken many conservative positions — perhaps too conservative for him to win a Democratic nomination, Stewart said.

If no clear-cut winner emerges from the Democratic primaries, Stewart believes New York Gov. Mario Cuomo or US Sen. Bill Bradley (D-NJ) might be responsive to a draft.

## The Republicans

Among the Republicans, Stewart felt that Pat Robertson's chances were the most underrated. The Republican nominating process has a lot of caucuses, as opposed to primaries. Caucuses tend to attract only the most committed voters. Robertson's followers might be few in number, but they are dedicated enough to turn out for him, Stewart said.

Stewart felt Robertson would do particularly well in the South on Super Tuesday. There are many evangelicals and conservatives in the South, Stewart asserted.

Vice President George Bush started political life as a moderate, with strong ties to the New England Republican party — Bush's father was a Connecticut Senator. Since becoming vice president, however, Bush has tried to portray himself as a Reaganite conservative.

Stewart was unsure whether voters would buy Bush's political conversion.

In an age when many candidates lack real political roots, US Sen. Robert Dole (R-KA) has roots, Stewart said. Dole is the leader of what used to be called "Main Street Republicanism."

Dole can count on traditional Midwestern Republicans to turn out for him.

But Dole's greatest enemy is himself, Stewart said. In 1976, when Dole ran for vice president, he "self-destructed"; he came across as mean and nasty in the last days of the campaign, Stewart said. He might self-destruct again.

US Rep. Jack Kemp (R-NY), like Robertson, can depend on committed followers. Economic conservatives who do not accept Bush's conversion will likely flock to him.

Stewart labelled the candidates of both former Delaware Governor Pierre S. DuPont IV and former Secretary of State

Alexander M. Haig as "strange."

DuPont is a perfect class stereotype; he comes from a rich, upper class family, and wants to cut government aid to the poor drastically. DuPont favors abolishing Aid to Families with Dependent Children and restructuring Social Security, Stewart said. Stewart believed the old Eastern Establishment Republicanism that DuPont epitomizes is now dead, and that DuPont will be forced to drop out quickly.

Stewart said he could not understand why Haig was in the race. He does have foreign policy experience, but Haig has never before run for elective office. He also suffers from a bad public image following his tenure as secretary of state.



## THE CHURCH OF THE ADVENT

(Episcopal)

30 Brimmer St., Boston  
523-2377

An historic Anglican parish at the foot of Beacon Hill

The Rev'd Andrew C. Mead, Rector

Sunday

8:00 a.m. Said Mass  
9:00 a.m. Sung Mass  
11:00 a.m. Solemn Mass

Coffee hours follow all Masses.

Adult Education courses on Scripture, Christian Doctrine, Dante are offered on Wednesdays at 6:30 p.m. and Saturdays 10:30 a.m. beginning Oct. 10.

Daily

7:30 a.m. Mass  
6:00 p.m. Mass (Mondays and Wednesdays only)

Saturday

9:00 a.m. Mass

## Do It Yourself!

The next Hafler classic, the 145 wpc XL280, is finally available in kit form! State of the art J/FET - MOS/FET technology, audiophile sound and the legendary Hafler reliability. All this in an easy to assemble modular package. (The hard parts are already built and tested.) Save money, do it yourself!

hafler



XL280-145 wpc  
On Sale \$499.88

### ADDITIONAL HAFLER SPECIALS

- 100A\* Preamp - charcoal brown \$175 3
- 220A\* Power amp - charcoal brown \$350 1
- 330A\* Digital Tuner - charcoal brown \$275 4
- 500A\* Power Amp \$699 1

\*Assembled unit

M-F 10-7  
SAT 10-6

95 Vassar St., Cambridge  
547-2727 At Mass. Ave., Near MIT



## Your foreign language ability is valuable!



Translations into your native language are needed for industrial literature. You will be well paid to prepare these translations on an occasional basis. Assignments are made according to your area of technical knowledge.

We are currently seeking translators for:  
• Arabic • Chinese • Danish • Dutch  
• Farsi • French • German • Greek  
• Italian • Japanese • Korean  
• Norwegian • Polish • Portuguese  
• Romanian • Spanish • Swedish  
and others.

Into-English translations from German and French. Many other languages also available.

Foreign language typists also needed. All this work can be done in your home!

Linguistic Systems, Inc. is New England's largest translation agency, located a block north of the Central Sq. subway station.

For application and test translation call Mr. Skagestad  
**864-3900**

Linguistic Systems, Inc.  
116 Bishop Allen Drive  
Cambridge, MA 02139

There are over 50,000 nuclear warheads deployed by both the Soviet Union and the United States. The United States is building 3 more nuclear warheads a day.

Just 200 of the existing warheads can destroy every city in the world with a population of 100,000 or more.

ISN'T IT TIME YOU HELPED TO STOP THIS?  
JOIN US!

## STOP THE NEW BOMBMaking MARCH AND RALLY

Saturday, October 24  
11 am-3 pm

Electric Boat Shipyard  
Quonset Point, RI

Speakers & Musicians including  
Dr. Michio Kaku, Brigadier General Mackie, & RASH  
Interpreted for the hearing impaired

## STOP THE FIRST STRIKE TRIDENT II/D-5 SHUTDOWN/BLOCKADE

Monday, October 26  
6 am-9 am

Electric Boat Shipyard  
Groton, CT

Nonviolence training required  
Vigil for those not seeking arrest

Buses for the March and Rally will leave Boston at 9 am on Saturday, October 24. They will return to Boston by 5:30 pm on Saturday evening. Bus tickets are \$12.00.

For more information, call Boston Mobilization for Survival at 354-0008.

## "Mozart gives us a lot of hope;" so does the Pro Arte

### PRO ARTE

Conducted by Larry Hill.  
Leslie Amper and Lynn Chang, soloists.  
Works of Mozart and William Kraft.  
Sanders Theatre, Saturday, October 10.  
Event in The Tech Performing Arts Series.

By JONATHAN RICHMOND

"MOZART GIVES US a lot of hope," declared conductor Larry Hill, after receiving a proclamation signed by Governor Michael Dukakis naming Oct. 10 & 11 "Pro Arte Chamber Orchestra Weekend." It was Pro Arte's 10th birthday and there was much reason to celebrate.

Pro Arte has carved a special niche in the hearts of all who have heard it. Its music-making, which is fresh and adventurous, is also made profound by the special relationship amongst the orchestra's self-governing musician-members, and between the orchestra and its unusual audience.

Pro Arte does not play in a vacuum: it cares about who has access to its spiritually-uplifting product. Where most other orchestras see audiences in largely financial terms, Pro Arte reserves some of the best seats in its house and gives them free to the elderly and handicapped. It actively seeks out those who might be in need of a little extra joy, helps transport them to the performance and — through its music — then transports one and all to a state of pure delight.

The evening's "Mostly Mozart" concert began with Mozart's *Symphony No. 29*, K. 186a. There was magic in every silken phrase, a lightness and vitality that was totally captivating. The opening *Allegro moderato* was played with an exuberance that seemed to spiral ever higher.

Repeats gave particular pleasure; each time an earlier theme came back, it returned not merely as a restatement of old material, but several notches higher on Pro Arte's ladder to euphoria. The quieter colors of the *Andante* were projected with a dancing vibrancy, which continued into the *Menuetto*. The last movement — overflowing with party spirit — left everyone smiling.

The evening's "new work" was William Kraft's *Double Play*, and it was conducted by the composer. Kraft was for many years tympanist in the Los Angeles Philharmonic, so it should have perhaps come as no surprise that interesting things would be done with the percussion. The opening



Wolfgang Amadeus Mozart

consists of a sadistically soft tympani solo — intriguing because of the seeming contradiction of having percussion play *sotto voce*. Jeffrey Fisher played it with aplomb.

Leslie Amper played piano solo, stressing the percussive qualities of her instrument. Lynn Chang's violin provided a tense *legato*, creating several measures of harsh lyric beauty. The cross currents among and between soloists and the orchestra kept the audience's attention.

IN MOZART'S PIANO CONCERTOS, the art of the repeat works its magic on a large scale. The weaving of color takes place not merely within movements, but in a structurally complex way across the work as a whole.

The first movement (with the notable exception of K. 466) is often bright, the middle movement deeply reflective, and the conclusion buoyantly chirpy, once more. Are these innocent endings just evidence of the childishness that is alleged to have never left Mozart? Are they provided because it would be too terrible to send concertgoers back into the extramusical world on a note of such painfully poignant beauty? Or are they triumphant eclipses of grief; not simple restatements of earlier innocence, but educated and refreshed statements of insistent hope? Leslie Amper, playing the *Piano Concerto No. 21*, K. 467 with the Pro Arte showed that they might be all three.

The opening was alert, sweet as well. Outstanding among lovely woodwinds, a flute flirted particularly assiduously, vying

for our attention. Then Amper entered, crisply, commandingly, but also humorously. Hill's strings provided the subtly warm hues of an autumnal sun, gently illuminating the antics of the rebellious solo part. Amper's *cadenza* was especially well-studied, firm, exploratory and full of interest.

Dr. Eric Block of the women's hospital in Halmsted, Sweden, makes medicinal use of K. 467, playing it to expectant mothers during childbirth: the relaxed atmosphere in the labor room is said to make birth less painful and dangerous.

The infant mortality rate at Halmsted is far below the average at other clinics.

Wolfgang Hildsheimer speculates in his biography of Mozart that it must be the *Andante* that is played: with its virtually uninterrupted *ostinato* beneath the melody, it is a movement with no significant rhythmical contrasts. One might add that the movement makes not only a structurally-smooth metaphor for uncomplicated childbirth, but on a psychological plane, its intense melancholia is essentially comforting: Mozart at his most troubled is

(Please turn to page 15)

The Tech Performing Arts Series presents...

## PRO ARTE

MIT's Gloria Raymond to sing...

Mezzo-soprano Gloria Raymond will sing Mahler's *Kindertotenlieder* with the Pro Arte Chamber Orchestra, conducted by David Hoose.

A world premiere by Steven Mackey is also on the program, as is Haydn's *Symphony No. 86*. Wonderful music; home-grown talent. Sanders Theatre. October 25, 3pm. MIT price: \$12 tickets reduced to \$6.



Go hear Gloria Raymond of the MIT Medical Department

## 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 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.

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.



Leslie Amper

## ARTS

**Style, romance, and thrills are lacking from Ridley Scott's vocabulary**

**SOMEONE TO WATCH OVER ME**  
Directed by Ridley Scott.  
Starring Tom Berenger and Mimi Rogers.

By RICARDO RODRIGUEZ

**R**IDLEY SCOTT'S LATEST FILM, *Someone to Watch Over Me*, represents his first excursion into movies set in the contemporary world. But Scott, usually known for his accent on visual style, seems to have left the cinematography for this film to someone else: despite the fact that the movie is set in New York, which is overflowing with "visual opportunities," Scott keeps the action conspicuously isolated to the indoors. The only hint of the superb cinematography displayed in Scott's *Blade Runner* sur-

faces at the beginning of the film, with an all too typical aerial view of New York City.

The movie's storyline is as follows: happily married detective Mike Keegan (Tom Berenger) is assigned to protect rich, beautiful murder witness Claire Gregory (Mimi Rogers) and, inevitably, the two fall for each other. Berenger does a satisfactory job, considering his character doesn't have much substance: Keegan is rather superficial and certainly a bit stupid for his age. All I will say about Mimi Rogers is that it isn't very difficult for a professional actress to pout and make pretty faces.

Deemed a "stylish romantic thriller," *Someone To Watch Over Me* doesn't suc-

ceed on any of these three counts. Style, which could come from the richness in diversity of New York, consists instead of a series of scenes in upper class parties. As to romance, if you find adultery romantic, I suppose it might earn that description. The thriller aspect is my favorite: the movie is equipped with one of the ugliest heavies I have ever seen. Perhaps Scott thought the inclusion of an almost inhuman antagonist might cause people to shudder at the very sight of him, and hence the description "thriller" would be justified.

I cannot successfully give an evaluation

of this movie without describing what was, to me, the most entertaining part of the movie: the detective has just been assigned to protect the murder witness and, arriving at her home, begins to check the place out. The sheer luxury in which the woman lives is overwhelming: maids, spacious, well-stocked kitchens, marbled bathrooms, and more. Completely overtaken by such opulence, the detective turns around and, almost as if speaking directly to the audience, crassly expresses his disbelief.

This film is recommended for audiences who suffer from extreme boredom.

**Mozart and Hill's way of cementing hope in place and vanquishing fear**

(Continued from page 14)

also at his most soothing.

Amper's performance of the *Andante* was not technically flawless. She stumbled untidily in a number of places, and was over-insistent in others. There was, nonetheless, a magnetic urgency to her message, starker perhaps than in many other interpretations and not overly drawn to lyricism, but in its own way compelling.

Hill's ensemble was gossamer smooth, open, and colorful. Woodwinds added special touches of pathos, while strings added warmth and support. Boston maternity units: take note!

The *Allegro vivace assai* brought us back from the world of contemplation with a spirited conclusion. This was no mere return to the atmosphere of the first movement. Having traversed the depths of the *Andante*, the final movement was an occasion for elation, Mozart and Hill's way of cementing hope in place and vanquishing fear. It must have meant a lot to Pro Arte's special audience.

The concert ended with Mozart's *Symphony No. 40*, K. 550. There were passages of beauty scattered through the performance, but it was overall too dense a reading and too laid back for my taste: I'm personally drawn to the adrenal tension of Christopher Hogwood's reading with the Academy of Ancient Music.

Warmth in the strings was at the cost of coherence: Hill's version would have benefited from greater clarity. It's not easy to get both depth and clarity from a string section: Pro Arte's strings have the former quality, and that is what makes their performances so endearing. They could,



Lynn Chang nonetheless, do with some work on the latter.

Gloria Raymond works in MIT's Medical Department, but she's also a talented mezzo-soprano. She will be performing Mahler's *Kindertotenlieder* with Pro Arte on October 25 and members of the MIT community can purchase discount tickets through The Tech Performing Arts Series for only \$6. Call by the TCA in the Student Center, or call x3-4885 for further information.

The Tech Performing Arts Series presents...

**ORFEO**

Boston Camerata perform Monteverdi opera

Jon Humphrey sings the title role in this concert version of Monteverdi's *Orfeo*. Jordan Hall, October 23, 8pm.

MIT price: \$5

**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

**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

**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 "*Cymbeline*" 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.

ARTS

# On The Town

Compiled by Peter Dunn

## Ongoing Theater

**Remembrance**, Graham Reid's contemporary story of a widow and widower in their sixties who begin an unlikely romance which crosses the line between their Catholic and Protestant backgrounds, continues through October 18 as a presentation of the Huntington Theatre Company at the Boston University Theatre, 264 Huntington Avenue, Boston. Tickets: \$12-\$27. Tel: 266-3913.

**Balm in Gilead**, a drama by Lanford Wilson, continues through October 24 at the Alley Theater, 1253 Cambridge Street, Cambridge. Performances are Thurs-Sun at 8 pm. Tickets: \$10. Telephone: 491-8166.

**The Three Women**, the American premiere of the multimedia epic of lust and the supernatural, continues through October 24 as a presentation of Theatre S, at the Performance Place, 277 Broadway, Somerville. Performances are Thurs-Sat at 8 pm and Sat at 10 pm. Tickets: \$10 general, \$6.50 students. Tel: 623-5510.

**CRITIC'S CHOICE** ★ ★ ★ **Who's Afraid of Virginia Woolf?**, Edward Albee's bawdy, seething drama, continues through October 25 at the New Ehrlich Theatre, 539 Tremont Street, Boston. Performances are Tues-Fri at 8 pm, Sat at 5 pm and 8:30 pm, and Sun at 2 pm. Tickets: \$12-\$15. Telephone: 482-6316.

**Sheboplin'**, a musical set in a '60s hair styling salon and featuring period music, continues through October 25 at the Wilbur Theater, 246 Tremont Street, Boston. Performances are Tues-Fri at 8 pm, Sat at 6 and 9:30 pm, and Sun at 3 pm. Tickets: \$19.50-\$27.50. Tel: 423-4008.

**The Price**, Arthur Miller's play revolving around two brothers who confront the price each paid for choices made during the 1930s depression, continues through October 25 at the Lyric Stage, 54 Charles Street, Boston. Performances are Wed-Fri at 8 pm, Sat 5 pm & 8:30 pm; and Sun at 3 pm. Tickets: \$10-\$13. Telephone: 742-8703.

**CRITIC'S CHOICE** ★ ★ ★ **Cats**, the musical adapted from T.S. Eliot's *Old Possum's Book of Practical Cats*, continues through November 7 at the Shubert Theater, 265 Tremont Street, Boston. Performances are Mon-Sat at 8 pm, matinees Wed & Sat at 2 pm. Tickets: \$21-\$40. Telephone: 426-4520.

**Nonsense**, the heavenly musical comedy that features five singing, dancing, romping nuns, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tues-Fri at 8 pm, Sat at 6 pm and 9 pm, with Thur and Sun matinees at 2 pm and 3 pm respectively. Tickets: \$15.50 to \$26.50. Telephone: 426-6912.

**Shear Madness**, the long-running comic number, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tues-Fri at 8 pm, Sat at 6:30 and 9:30 pm, Sun at 3 and 7:30 pm. Tickets: \$16 and \$19. Telephone: 426-6912.

**Cherry**, the world premiere of the vaudeville-inspired musical, continues indefinitely at Nucleo Ecletico, 216 Hanover Street, Boston. Performances are Thurs-Sat at 8 pm. Tickets: \$10 advance/\$12 at the door. Telephone: 367-8056.

**Forbidden Broadway 1987**, the musical comedy revue with parodies of various famous personalities, continues indefinitely at the Boston Park Plaza Hotel Terrace Room, Park Square. Performances are Tues-Fri at 8 pm, Sat at 7 and 10 pm, Sun at 3 and 6 pm. Tickets: \$15-\$21.50. Telephone: 357-8384.

## Ongoing Exhibits

### ON CAMPUS

**Fischli/Weiss: States of (In)Balance**, film and photographs exploiting suspenseful sequence and precarious balance in both improbable man-made constructions and natural processes, continues through November 22 at the MIT Bakalar Sculpture Gallery, List Visual Arts Center, 20 Ames Street. Gallery hours are weekdays 12-6 and weekends 1-5. Telephone: 253-4400.

**Jenny Holzer: Signs**, the first traveling museum exhibition of this contemporary American artist, noted for her provocative writings utilizing a variety of media, continues through November 29 at the MIT Hayden Gallery, List Visual Arts Center, 20 Ames Street. Gallery hours are weekdays 12-6 and weekends 1-5. Telephone: 253-4400.

**Inner Spaces: New Macrolens Abstractions**, spectacular color photographs of flowers by Vernon Ingram, MIT professor of biology, continues through October 31 at the Compton Gallery of the MIT Museum (10-150), just off the infinite corridor. Gallery hours are weekdays 9-5. No admission charge. Telephone: 253-4444.

**1986 Wildlife Photography Exhibition**, 50 prize-winning photographs from international competition, continues through January 30 at the MIT Museum, 265 Massachusetts Avenue (N52-2nd floor). Gallery hours are Tues-Fri 9-5, Sat-Sun 12-4. No admission charge. Telephone: 253-4444.

### OFF CAMPUS

**Sky Light**, a highly visual kinetic sculpture exhibit by five artists from the MIT Center for Advanced Visual Studies, continues through November 8 in the atrium of the new wing of the Boston Museum of Science. Hours are Tues-Sun 9 am-9 pm. Telephone: 589-0100.

**Social Terrorism: A National Juried Exhibition**, whose stated objective is the use of art as a weapon to attack and tear down the cultural status quo, continues through October 10 as a presentation of Blue Gallery at Mobius, 354 Congress Street, Boston. Gallery hours are Wed-Sat 12-5. Telephone: 542-7416.

An exhibition of photographs, paintings, and sculptures by artists from the **Fort Point Arts Community, Inc.** of South Boston continues through October 23 at the Federal Reserve Bank of Boston Gallery, 600 Atlantic Avenue, across from South Station. Gallery hours are Mon-Fri 10-4. No admission charge. Telephone: 973-3454 or 973-3368.

**CRITIC'S CHOICE** ★ ★ ★ **Ansel Adams: A Special Relationship**, an exhibition of over 60 original Polaroid photographs by Ansel Adams, continues through October 24 at the Clarence Kennedy Gallery, 770 Main Street, Cambridge. Gallery hours are Tues-Sat 11-5. No admission charge. Telephone: 577-5177.

**Jene Highstein: Sculpture and Drawing** continues through October 25 at the Brandeis University Rose Art Museum, Waltham. Telephone: 736-3434.

The Boston University Art Gallery opens its 1987-88 season with **The First American: Selections from the Nancy Sayles Day Collection of Latin American Art**, featuring 56 paintings, prints, drawings, photographs, and sculptures surveying the major developments in Latin American modernism. Continues through October 25, Mon-Fri 10-4, Fri evening 7-9, and Sat-Sun 1-5. Located at 855 Commonwealth Avenue, Boston. No admission charge. Telephone: 353-3329.

**CRITIC'S CHOICE** ★ ★ ★ **The Silver of Tiffany & Co., 1850-1987**, pointing out the distinctive Japonism and repoussé works for which the firm received worldwide acclaim and tracing the changing styles of the firm's wares from the revival styles of the nineteenth century through the Art Deco of the 1930s to contemporary trends, continues through November 8 on the first floor of the Richard B. Carter Gallery at the Museum of Fine Arts, 465 Huntington Ave., Boston. Tel: 267-9300.

**Three Photographers**, an exhibit of work by three Boston-area photographers, Betsy Fuchs, Linda Mahoney, and Bonnie Robinson, continues through October 30 at the Simmons College Trustman Art Gallery, 300 The Fenway, Boston. Gallery hours are Mon-Fri 10-4:30. Telephone: 738-2124.

**Selections from the David and Sandra Bakalar Collection and Unbound Days: Collages by Rita DeWitt** continue through November 8 at the Photographic Resource Center, Boston University, 602 Commonwealth Avenue, Boston. Gallery hours are Tues-Sun 12-5 and Thurs until 8 pm. Admission: \$2 general, \$1 seniors and students. Telephone: 353-0700.

**CRITIC'S CHOICE** ★ ★ ★ **Terry Winters: Schema**, 75 small drawings in graphite and watercolor scheduled to coincide with the exhibit at the Museum of Fine Arts, continues through November 29 at the MIT Reference Gallery, List Visual Arts Center, 20 Ames Street. Gallery hours are weekdays 12-6 and weekends 1-5. Telephone: 253-4680.

**Terry Winters: Paintings and Drawings**, the first museum exhibition in the United States devoted to the work of the American painter Terry Winters, continues through November 29 at the Museum of Fine Arts Foster Gallery, 465 Huntington Avenue, Boston. Telephone: 267-9300.

**Ei Lissitzky, Russian Artist**, an exhibition of varied work by one of the leading artists of the European avant-garde between the two world wars, continues through November 29 at the Harvard University Sackler Museum, 485 Broadway, Cambridge. Admission: \$3 general, \$1.50 seniors and students. Telephone: 495-2397.

**Napoleon in the Eyes of his Contemporaries**, prints from France, Great Britain, and the German and Italian states of his time, continues through December at Boston University's Mugar Memorial Library, Department of Special Collections, 771 Commonwealth Avenue, Boston. Gallery hours are Mon-Thurs 8 am-11 pm, Fri-Sat 8 am-5 pm, and Sun 10 am-11 pm. No admission charge. Telephone: 353-2134.

**Carved in Marble: American Sculpture, 1830-1880**, an exhibition of works in marble by the first Americans to study in Italy and pursue professional careers as sculptors, continues through December at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Tel: 267-9300.

**Charles Sheeler: Paintings, Drawings, Photographs**, featuring works spanning Sheeler's nearly 50-year career and exploring his remarkable versatility and originality, continues through January 3 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Tel: 267-9300.

**Tribal Traditions of Kenya**, a multimedia exhibit highlighting the infinite cultural variety of this East African country, continues through February 28 at the Museum of Science Stearns Gallery, Science Park, Boston. Telephone: 589-0250 or 589-0253.

The fall season at the Institute of Contemporary Art opens with **Doug Hall: The Spectacle of Image**, an exhibition providing an overview of Hall's unique video/performance work, and with **The Arts For Television**, an international survey of 67 works and programs produced by and for television. Gallery hours are Wed-Sun 11-5, Thurs-Fri until 8 pm. Located at 955 Boylston Street, Boston, across from Hynes Auditorium. Admission: \$3.50 general, \$2 students, \$1 seniors and children, free to ICA members. Telephone: 266-5151 or 266-5152.

## Friday, Oct. 16

### THEATER

**True West**, Sam Shepard's classic and bizarre look at sibling rivalry, is presented at 8 pm in the Callan Studio Theatre, Salem State College, Salem. Also presented October 17, 22, 23, & 24. Tickets: \$5. Telephone: 744-3700.

### PERFORMANCE ART

**Science Projects**, new performance works by New England performance artists whose work addresses scientific concepts, principles, and issues, is presented at 8 pm at Mobius, 354 Congress Street, Boston. Continues through October 17. Tickets: \$7. Telephone: 542-7416.

### POETRY

**Poetry Reading by Jose Emilio Pacheco** is presented at 8 pm in Studio 210, Boston University Theatre, 264 Huntington Avenue, Boston. Also presented October 20 through 24 at 8 pm and October 25 at 2 pm. No admission charge. Telephone: 353-3345.

### CLASSICAL MUSIC

**CRITIC'S CHOICE** ★ ★ ★ Pianist **Murray Perahia** joins **The Boston Symphony Orchestra** for a performance of Beethoven's *Piano Concerto No. 5*, "Emperor" and *Haydn's Symphony No. 7* at 2 pm in Symphony Hall. Also presented October 17 at 8 pm. Tickets: \$15.50 to \$41. Telephone: 266-1492.

**CRITIC'S CHOICE** ★ ★ ★ **Banchetto Musicale** features the first American original-instruments performance of Beethoven's *Symphony No. 7* at 8 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street, Boston. Tickets: \$9 to \$17. Telephone: 965-0165.

**The Boston University Wind Ensemble and Jazz Lab** perform at 8 pm at the BU Concert Hall, 855 Commonwealth Avenue, Boston. No admission charge. Telephone: 353-3345.

### FILM & VIDEO

**CRITIC'S CHOICE** ★ ★ ★ I.S.C. presents **Ernst Lubitsch's Ninotchka** (1939), starring the divine Greta Garbo and Melvyn Douglas, at 7:30 in 10-250 and **Amadeus** (1984) at 6:30 & 10:00 in 26-100. Admission: \$1.50. Telephone: 225-9179.

The Somerville Theatre presents the exclusive New England premiere of **Margarethe von Trotta's Rosa Luxemburg** (Germany, 1987) at 5:30, 7:45, & 10:00. Continues through October 22 with **Sat-Sun matinees at 1:00 & 3:15**. Located at 55 Davis Square, just by the Davis Square T-Stop on the red line. Telephone: 625-1081.

The Brattle Theatre continues its Friday/Saturday film series **Fantastic Weekends** with **Dr. Jekyll and Mr. Hyde** (1931), **Rouben Mamoulian** at 4:15 & 7:35 and **The Unknown** (1927, Tod Browning) at 6:15 & 9:30. Also presented October 17. Located at 40 Brattle Street in Harvard Square. Admission: \$4.75 (good for the double feature). Telephone: 876-6837.

**To Sir, With Love**, directed by James Clavell and starring Sidney Poitier, is presented at 7 pm and 9 pm at the Cambridge Center for Adult Education, Blacksmith House, 56 Brattle Street, Cambridge. Admission: \$3.50. Telephone: 547-6789.

The Museum of Fine Arts continues its film series **Bertrand Tavernier: A Passion for Cinema with Mississippi Blues** (1983) at 5:30 and **Coop de torcheon (Clean Slate)**, 1981) at 8:00. Presented in Remis Auditorium, Museum of Fine Arts, 465 Huntington Avenue, Boston. Tickets: \$3.50 general, \$3 MFA members, seniors, and students. Telephone: 267-9300 ext. 300.

The French Library continues its film series **Murder and Mystery with Deux et deux font quatre (Two and Two Make Four)**, 1978, Claude Chabrol) at 8 pm. Continues through October 18. Located at 53 Marlborough Street, Boston. Admission: \$3.50 general, \$2.50 members. Telephone: 266-4351.

The Harvard Film Archive presents **The Films of Michael Rubbo** with **Log Skin** (1976) at 7 pm and **Solzhentzyna's Children... Are Making a Lot of Noise in Paris** at 9 pm. Located at the Carpenter Center for the Visual Arts, 24 Quincy Street, in Harvard Square. Also presented October 17. Tickets: \$3. Telephone: 495-4700.

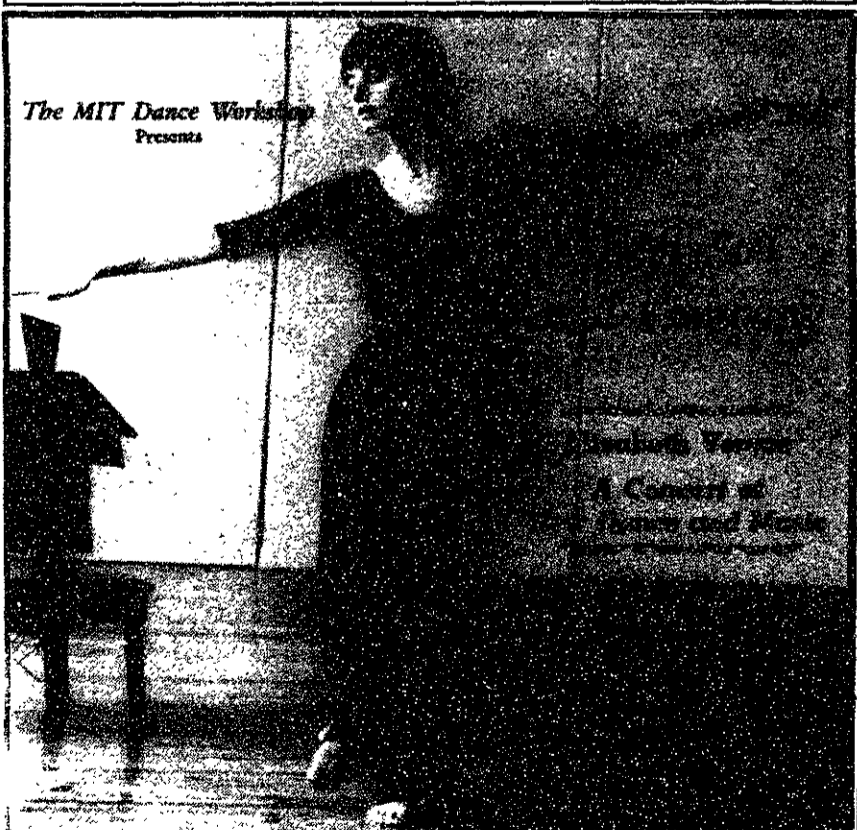
The Institute of Contemporary Art continues its series **The Films of Raymond Depardon with Fais Divers** at 7:30. Located at 955 Boylston Street, Boston. Tickets: \$4.50. Telephone: 266-5152.

# Hamlet

presented by the **Shakespeare Ensemble at MIT** directed by **Kristin Linklater**

October 22-27, 1987  
Kresge Little Theatre 8pm

tickets: \$6 and \$4  
information: 253-2903



The MIT Dance Workshop Presents

Tickets available at Bostix, all Ticketron outlets and at the door.

\$10.00, \$5.00 with MIT ID.

For information call 253-2877.

## AIDS-AWARE

### CONCERN ABOUT AIDS: Part II

Understanding the AIDS Virus and Types of Infections

Since the recognition of the acquired immunodeficiency syndrome (AIDS) in 1981, considerable progress has been made in understanding the nature of the causative agent, a retrovirus called human immunodeficiency virus (HIV). HIV has a predilection for cells with receptors for the T-peptide, most predominantly the helper T lymphocyte, a white blood cell in the human blood. The virus enters a cell where it is acted upon by an enzyme reverse transcriptase, leading to the production of DNA that is incorporated into the genome of the cell. Additional virus is then produced which infects more cells, leading to their premature maturation and death.

The disease is especially devastating because of the type of cells that are attacked. Helper T-cells play a key role in coordinating a variety of immune functions, including B lymphocyte activity and induction of natural killer cells. When helper cells are inactivated, the host succumbs to a wide variety of diseases that an intact immune system could easily control. Not only does this virus relentlessly disarm the body's immune system by attacking and destroying the patient's helper T lymphocytes, it also infects other cells of the body including B-cells, macrophages and oligodendrocytes (cells in the nervous system.) As a result, an enormous spectrum of known illnesses can occur as a consequence of HIV infection.

Once an individual is infected, numerous outcomes are possible. Some people are asymptomatic and remain well. Even so they are able to infect others. For some, fever, malaise, pharyngitis and red blotchy skin lesions may occur within weeks following accidental inoculation with blood from an HIV seropositive person. Other patients may develop enlargement of the lymph nodes or spleen, weight loss or diarrhea. Finally, with the immune system destroyed by virus, a patient may succumb to the various infections or cancers that cause "opportunistic diseases," using the opportunity of lowered resistance to infect and destroy. These include infection with various fungi, protozoa, bacteria and other viruses, as well as tuberculosis. Cancers such as lymphoma and Kaposi's sarcoma are also common.

It is now estimated that 5% to 30% of seropositive individuals will develop AIDS within five years of seroconversion. It is possible that as follow-up studies continue beyond five years that a larger percentage of patients with HIV infection will develop opportunistic infection, cancer, or nervous system manifestations of disease. In summary, the effects of HIV infection are varied and complex. Current research on the natural history and outcome of HIV infection will help us to further understand the protean effect of this virus.

Elaine Shiang, M.D.  
MIT Medical Department

This is the second in a series of AIDS-related articles presented as a service to the MIT community by the MIT Medical Department and its AIDS AWARE project.

For more information about AIDS or other AIDS-AWARE activities, please call the MIT Medical Department's Health Education Service at 253-1616.

## ARTS

## DANCE

\*\*\* CRITIC'S CHOICE \*\*\*  
Beth Soll and Company and Boston composer Elizabeth Vercoe present a concert of new dance and music featuring the world premiere of *Persona*, as well as *Jumpshot*, *Still Light*, and *Herstory III: Jehanne de Lorraine* at 8 pm in Kresge Auditorium. Also presented October 17. Tickets: \$10 general, \$5 seniors & MIT ID's. Telephone: 253-2877 or 547-8771.

## POPULAR MUSIC

Fink Floyd performs at the Providence Civic Center, One LaSalle Square, Providence, RI. Tickets: \$22.50. Telephone: 401-331-6700.

Nona Hendryx, with Ball & Pivot and Certain Circle, performs at the Channel, 26 Necco Street, near South Station. Tickets: \$6.50 advance/\$7.50 at the door. Telephone: 451-1905.

Yellowman and One People perform at 8 pm and 11 pm at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

The Volcano Suns, The Leaving Trains, and One Life perform at T.T. the Bear's, 10 Brookline Street, Cambridge. Telephone: 492-0082.

Rain, Tribe, Push Push, and Steve Weinstein perform at the Rat, 528 Commonwealth Avenue in Kenmore Square. Telephone: 536-9438.

## JAZZ MUSIC

Louie Brooks and Jelly Roll Kings (from the movie *Crossroads*) perform at 8:30 and 11:00 at Nightstage, 823 Main Street, Cambridge. Tickets: \$9. Telephone: 497-8200.

The Harvard University Jazz Band and Wind Ensemble perform works by Mingus and Shostakovich in the *Annual Dartmouth Concert* at 8 pm in Sanders Theatre, just north of Harvard Yard. Tickets: \$4 and \$5. Telephone: 495-2000.

## Saturday, Oct. 17

A Mini Japanese Festival, featuring craft items, demonstrations in Sumi painting, calligraphy, and origami, Japanese foods, and "Sato Kagura" (a masked dance), is presented beginning at 1 pm at Kaji Aso Studio, 40 St. Stephen Street, Boston. Admission: \$1 general, 50¢ children under 12. Telephone: 247-1719.

## FILM &amp; VIDEO

LSC presents *The Living Daylights*, the latest in the 007 string of action films, at 7 pm and 10 pm in 26-100. Admission: \$1.50. Telephone: 225-9179.

The Harvard Film Archive continues its series of *Films of Michael Rubbo* with *The Peanut Butter Solution* (1986) at 2:00 and 4:00. Located at the Carpenter Center for the Visual Arts, 24 Quincy Street, in Harvard Square. Tickets: \$3. Telephone: 495-4700.

On The Town  
Compiled by Peter Dunn

Sunday, Oct. 18

The Institute of Contemporary Art continues its series *The Films of Raymond Depardon* with *Reporters* at 7:30. Also presented October 18. Located at 955 Boylston Street, Boston. Tickets: \$4.50. Telephone: 266-5152.

## POPULAR MUSIC

\*\*\* CRITIC'S CHOICE \*\*\*  
Frank Sinatra performs at the Worcester Centrum, 50 Foster Street, Worcester. Tickets: \$35, \$50, and \$100. Telephone: 798-8888.

Dwight Yoakam performs at 8 pm at the Berklee Performance Center, 136 Massachusetts Avenue, Boston. Tickets: \$15.50 and \$17.50. Telephone: 641-1010.

Blushing Brides, with guests Storm, perform at the Channel, 26 Necco Street, near South Station. Tickets: \$8.50. Telephone: 451-1905.

Mercy Meat, 1/2 Japanese, and Mommy perform at T.T. the Bear's, 10 Brookline Street, Cambridge. Telephone: 492-0082.

The Seldom Scene, pioneers of progressive bluegrass, perform at 7:30 and 10:00 at Nightstage, 823 Main Street, Cambridge. Tickets: \$12. Telephone: 497-8200.

## CLASSICAL MUSIC

William Albright is featured in an *MIT Composers in Recital Series* movable concert of music for organ, piano, and harpsichord beginning at 8 pm in the MIT Chapel and moving to The Cube of the Wiesner Building. The program includes works of Bach, Albright, and Handy. Tickets: \$8 general, \$4 MIT students. Telephone: 253-2906.

Lo Jai, a quartet from the Limousin region of France, performs traditional music with hurdy gurdy, chabrette, accordion, fiddle, and flute at 8 pm in Paine Hall, Harvard University, Cambridge. Tickets: \$8.50 advance/\$9.50 at the door. Telephone: 492-8341.

## THEATER

The Other Boston Tea Party by Jack Carroll, commissioned to celebrate the Bicentennial of the US Constitution, is presented at 8 pm at the Cambridge Center for Adult Education, 56 Brattle Street, Cambridge. Also presented October 18. No admission charge. Telephone: 547-6789.

## EXHIBITS

\*\*\* CRITIC'S CHOICE \*\*\*  
*Gauguin and His Circle in Brittany: The Prints of the Pont-Aven School*, a collection of rare prints by a number of prominent nineteenth-century French artists at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Continues through December 13. Telephone: 267-9300.

## POPULAR MUSIC

\*\*\* CRITIC'S CHOICE \*\*\*  
R.E.M. performs at the Worcester Centrum, 50 Foster Street, Worcester. Tickets: \$16.50. Telephone: 798-8888.

Sonic Youth, with guests Das Damen, Nova Mob, and A Scanner Darkly, performs at 3 pm at the Channel, 26 Necco Street, near South Station. Tickets: \$7.50 advance/\$8.50 at the door. Telephone: 451-1905.

Hot Rize, the sizzling bluegrass band from Colorado, featuring *Red Knuckles and the Trailblazers*, with special guests John Lincoln-Wright and the *Sourmash Boys*, appear in concert at 6:30 and 9:30 at the Hasty Pudding Club Theatre, Harvard Square, Cambridge. Tickets: \$11 advance/\$12.50 at the door. Telephone: 491-8519.

Down Avenue and Little Women perform beginning at 9 pm at Nightstage, 823 Main Street, Cambridge. Tickets: \$6. Telephone: 497-8200.

## FILM &amp; VIDEO

LSC presents *Tootsie*, starring Dustin Hoffman and Jessica Lange, at 6:30 and 9:30 in 26-100. Admission: \$1.50. Telephone: 225-9179.

The Brattle Theatre continues its Sunday film series *Ghosts and Other Stories* with a Tod Browning triple feature, *Mark of the Vampire* (1935) at 1:15, 5:20, & 9:15, *Devil Doll* (1936) at 2:30 & 6:30, and *Freaks* (1932) at 4:00 & 8:00. Located at 40 Brattle Street in Harvard Square. Admission: \$4.75 (good for the triple feature). Telephone: 876-6837.

The Harvard-Epworth Church presents Robert Bresson's *Les anges du peché* (*Angels of Sin*, 1943, French with subtitles) at 8 pm. Located at 1555 Massachusetts Avenue, Cambridge. Admission: \$2 contribution.

The Harvard Film Archive presents *China Express* (Blue Express) (1929, USSR, Ilya Trauberg) at 3 pm. Located at the Carpenter Center for the Visual Arts, 24 Quincy Street, in Harvard Square. Tickets: \$3. Tel: 495-4700.

## LECTURES

Discovering a Great Photographer: The Case of Henri Le Secq, a lecture by Eugenia Parry Janis, professor of art history, University of New Mexico, is presented at 2 pm in the Mabel Louise Riley Seminar Room, Museum of Fine Arts, 465 Huntington Street, Boston. Admission: tickets are required and are available at no charge at the box office one hour prior to the program.

## CLASSICAL MUSIC

Yamaguchi Goro and Hozumi Goro, two master musicians perform traditional Japanese music on *shakuhachi* and *koto* at 3 pm in Remis Auditorium, Museum of Fine Arts, 465 Huntington Avenue, Boston. Tickets: \$12 general, \$10 MFA members, seniors, and students. Telephone: 267-9300 ext. 306.

Omnibus: Music of the Twentieth Century is presented at 8 pm in the Boston University Concert Hall, 855 Commonwealth Avenue, Boston. No admission charge. Telephone: 353-3345.

Pianist Louis Battle performs music of Beethoven and Mozart in a *Long Faculty Artists Series* concert at 3 pm in the Edward Pickman Concert Hall, Longy School of Music, Follen and Garden Street, Cambridge. No admission charge. Telephone: 876-8956.

## Monday, Oct. 19

## POPULAR MUSIC

John Mayall's Blues Breakers and Moses Rascow perform in *Nightstage's 2nd Anniversary Party* at 10 pm at Nightstage, 823 Main Street, Cambridge. Tickets: \$12. Telephone: 497-8200.

## CLASSICAL MUSIC

Doubles, music of John Heiss and William Thomas McKinley performed by New Music Consort, is presented by the New England Conservatory at 8 pm in Jordan Hall, 30 Gainsborough Street, Boston. No admission charge. Telephone: 262-1120.

## FILM &amp; VIDEO

\*\*\* CRITIC'S CHOICE \*\*\*  
The Harvard Film Archive continues its Monday series *Film Comedy* with Leo McCarey's *Duck Soup* (1933), starring the Marx Brothers, at 5:30 and 8:00. Located at the Carpenter Center for the Visual Arts, 24 Quincy Street, in Harvard Square. Tickets: \$3. Telephone: 495-4700.

The Brattle Theatre continues its Monday series *Film Noir* with *Point Blank* (1967, John Boorman) at 4:15 & 7:45 and *The Line Up* (1958, Don Seigel) at 6:00 & 9:40. Located at 40 Brattle Street in Harvard Square. Admission: \$4.75 (good for the double feature). Telephone: 876-6837.

## Tuesday, Oct. 20

## THEATER

\*\*\* CRITIC'S CHOICE \*\*\*  
*Sweet Charity*, Bob Fosse's musical comedy hit, opens at the Colonial Theatre, 106 Boylston Street, Boston. Continues through November 7. Telephone: 426-9366.

The White House Murder Case, by Jules Feiffer, is presented at 8 pm at the Arena Theatre, Tufts University, Medford. Continues through October 24. Tickets: \$1 to \$4. Telephone: 381-3493.

## CLASSICAL MUSIC

Quatuor Via Nova, the adventurous and creative French string quartet, performs at 8 pm in the Northeastern University Alumni Auditorium, Huntington Avenue, Boston. Tickets: \$12. Telephone: 437-2247.

The New England Conservatory Repertory Orchestra performs music of Mozart, Rimsky-Korsakoff, and Dvorák at 8 pm in Jordan Hall, 30 Gainsborough Street, Boston. Also, *Opera Scenes* directed by John Moriarty and Cecilia Schieve are presented at 8 pm in Brown Hall, 290 Huntington Avenue, Boston. No admission charge for either event. Telephone: 262-1120.

## FILM &amp; VIDEO

\*\*\* CRITIC'S CHOICE \*\*\*  
The Harvard Film Archive continues its Tuesday film series *Great Directors* with Frank Capra's *Mr. Deeds Goes to Town* (1936), starring Gary Cooper, at 5:30 and 8:00. Located at the Carpenter Center for the Visual Arts, 24 Quincy Street, in Harvard Square. Tickets: \$3. Telephone: 495-4700.

The Brattle Theatre continues its Tuesday series *Independent Filmmakers Showcase* with *How to Prevent a Nuclear War* (1987, Liane Brandon) at 8:00 (screening with filmmaker discussion, \$6) and 9:30 (screening only, \$4). Located at 40 Brattle Street in Harvard Square. Telephone: 876-6837.

## POPULAR MUSIC

Tom Waits performs at the Orpheum Theater, Hamilton Place, Boston. Tickets: \$15.85 and \$18.85. Tel: 482-0650.

Jonathan Richman and the Modern Lovers perform at 8:00 and 10:30 at Nightstage, 823 Main Street, Cambridge. Also presented October 21. Tickets: \$10. Telephone: 497-8200.

Chalice, with guests Matabaruka, perform at the Channel, 25 Necco Street, near South Station. Tickets: \$11.50 advance/\$12.50 at the door. Telephone: 451-1905.

Terrence Trent D'Arby performs at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

## Upcoming Events

Suzanne Vega at the Orpheum on October 21 and 22. The Dizzy Gillespie Quintet at Nightstage on October 22 and 23. Eddie Murphy at the Worcester Centrum on October 23. Roy Orbison at the Worcester Memorial Auditorium on October 24. Luciano Pavarotti at Symphony Hall on October 25. Andrew Wyeth: The Helga Pictures at the Museum of Fine Arts beginning October 28. Bo Diddley at the Channel on November 12.



The Marx Brothers star in Leo McCarey's *Duck Soup* at the Harvard Film Archive on Oct. 19.

GM

## Congratulations!

General Motors Corporation is pleased to announce that GM Scholarships for the 1987-1988 and 1988-1989 academic years have been awarded to the following students:

John Allen, '89, Mechanical Engineering  
John Krusac, '89, Civil Engineering  
Cynara Wu, '89, Electrical Engineering

John Krusac and Cynara Wu will be sponsored by the Delco Products Division of General Motors. Delco Products, with its world headquarters in Dayton, Ohio, is a supplier to the international automotive industry, and provides products to every major automobile manufacturer in the world. From facilities in Europe, North America, South America, and Japan, Delco Products supplies air management systems, energy management systems, and wiper systems.

John Allen will be sponsored by the Fisher Guide Division of General Motors. Fisher Guide, headquartered in Warren, Michigan, is also a supplier of automotive components to the global automotive industry. Fisher Guide is a world leader in seat and door systems hardware, exterior trim hardware, lighting products, and energy management systems, with manufacturing facilities in North America and Europe.



An Equal Opportunity Employer

**Szechuan and Mandarin Cuisines**

**Sze Dan**  
Chinese Restaurant

302 MASS. AVE.  
CAMBRIDGE, MASS.

Mon. to Thurs. 11:30 am to 9:30 pm  
Fri. and Sat. 11:30 am to 10:00 pm  
Sun. 3:00 pm to 9:00 pm

**FREE DELIVERY ON ORDERS OF \$20.00 OR MORE**

Thurs. to Sun. 5:30 P.M. to 9 P.M.

Orders to Take Out  
492-3170  
492-3179



**LEVI'S** **CORDS** **LEE'S**  
**DENIMS**

Boot Cut  
Straight Leg

**MAVERICK'S**

All Cotton **TURTLENECK \$7.95**  
**JERSEYS** only

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

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

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

**HOSIERY**

**Today's Girl Wears Hanes SAVE 20%-25%**

**WE'VE GOT IT!**

The semi-annual Hanes Today's Girl sale is here again! Whether you're dressing for success or a night out on the town, Hanes will carry you through the day. Choose from the following four styles:

	Reg.	SALE	6 or more pairs
● sheer pantyhose	1.95	1.56	1.46
● reinforced toe pantyhose	2.60	2.08	1.95
● support pantyhose	3.75	3.00	2.80
● Queen size pantyhose	2.40	1.90	1.80

Available in sizes A and B in beige, light taupe, off black and suntan.

**the Coop**

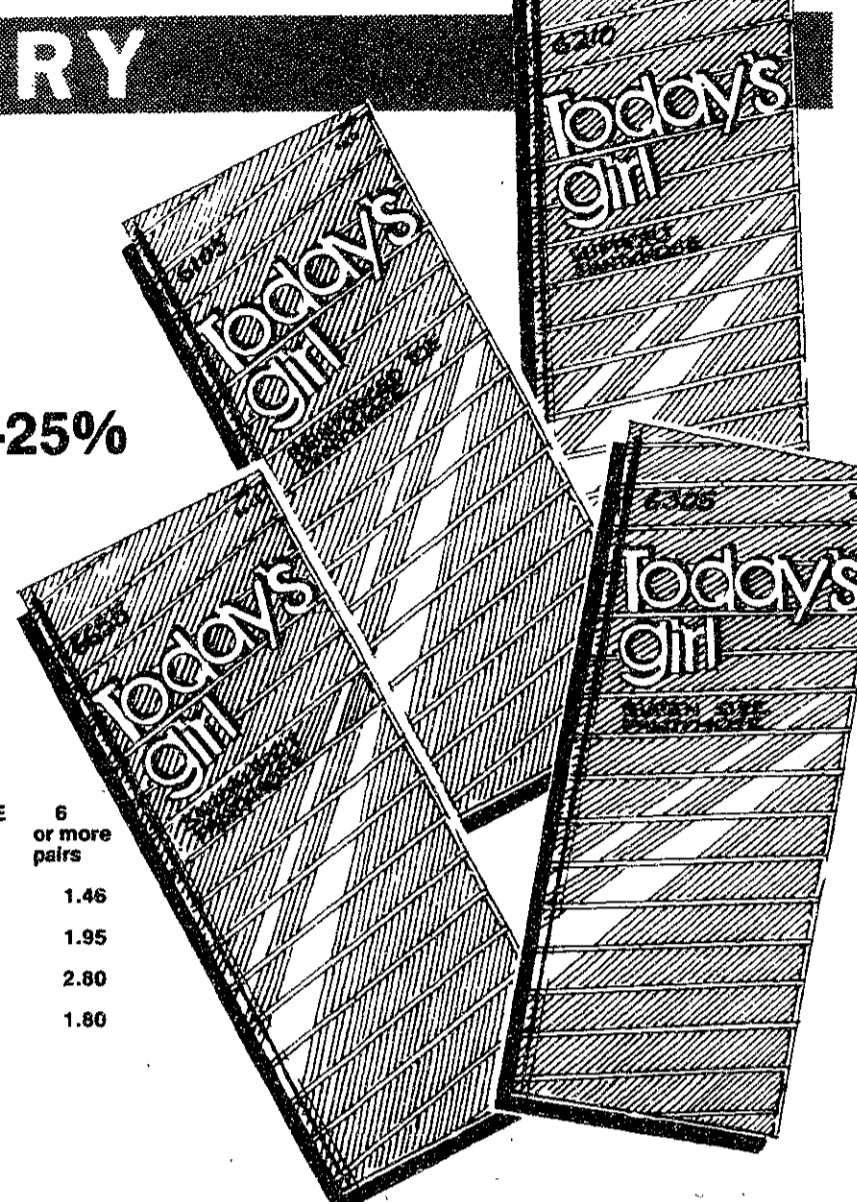
**HARVARD SQUARE**  
Cambridge  
M-Sat 9:20-5:45pm,  
Thurs 'til 8:30

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

**DOWNTOWN COOP**  
1 Federal St.  
M-Fri 9:15-5:30pm

**COOP AT LONGWOOD**  
333 Longwood Ave.  
M-Fri 9:15-7pm,  
Thurs. 'til 8:30,  
Sat 9:15-5:45pm

**PARK FREE IN HARVARD SQ\*** 1 hr Church St lot or 2 hrs University Pl or Charles Sq garages.  
**PARK FOR \$1 AT LONGWOOD\*** Behind Coop after 5pm and all day Sat.  
\*With \$5 minimum Coop purchase; validate sales receipt at Coop Cashier's desk.  
Coop Charge, MasterCard, Visa and American Express welcome.



**PICKER**  
Where High Science Comes To Life.

You're an outstanding professional who meets each new challenge with enthusiasm, dedication and your own unique combination of imagination and technical ability. You thrive on discovery—the same way we do. It's that kind of discovery that has made Picker International a company for the 80's and beyond. Products like the first digital chest radiography system, CT systems and Magnetic Resonance Imaging (MRI) have opened new horizons in diagnostic imaging.

Think about what you've done thus far. Think about the goals you've set for yourself. Think about Picker International. We can help you achieve those goals. Consider these possibilities that have been brought about by rapid growth of our MRI product line.

**Performance Assurance and Evaluation Manager**

Will establish testing requirements and procedures necessary to insure production of quality MR products. Also involves determining quantitative measurement of Clinical MR benchmarks and to insure compliance with pertinent regulatory and safety procedures.

**Computer and Software Engineering Manager**

This experienced Architect will have image processing knowledge and extensive design and coding experience with distributed processor graphics based computer system. They should also have experience with graphics display manipulation, fourier transform and process control algorithms. Primary responsibility of this position is to provide technical input on software implementation in order to make cost effective hardware and software tradeoffs.

**Sr. Staff Systems Engineer**

Requires a systematic and detailed Engineer with MR knowledge. Responsibilities are to: (1) Manager multifunctional design reviews and maintain written configuration control of the total system as its performance is defined and refined. (2) Quantitatively model system and sub-system specifications and manage technical tradeoffs and interface definitions. (3) Assure the performance of the novel subsystem designs from prototype through production and (4) Support organizational requests for design specifications performance characteristics and test results.

**Sr. Staff Digital Circuits Design Engineer**

Requires a BSEE (MSEE ideal), 8-10 years design experience, familiarity with the NMR experiment, and demonstrated ability to recruit, build and manage a digital circuits design team. (68020, pSOS, Multibus II).

**Sr. Staff RF Circuits Design Engineer**

This key person with vast design and implementation experience in low noise RF circuitry, will provide technical impact on requirements and implementation of pre-amplifiers, NMR spectrometer circuitry and RF power amplifier selection. The ability to lead the design of desired subsystems and/or interface with potential sub vendors is a must.

**Sr. Staff Computer Architect Engineer**

To provide technical input on the selection and implementation of board level components, array processor hardware, video display hardware, and archiving hardware. This key contributor must be capable of pursuing design in-house or with sub vendors. Requires considerable design and implementation experience in distributed multiprocessor, graphics-oriented, computer systems based on Motorola 68000 family.

**Education and Training Specialist**

An outstanding opportunity for a proven technical writer with an MS Physics or Chemistry, strong communication skills, and knowledge of NMR and MRI to create new educational and training materials used primarily by Physicians and Technologists. Other significant responsibilities include writing and editing articles for the Clinical Science Newsletter and designing new audiovisual material.

**Regional Clinical Scientists**

These individuals will work at our Clinical Science Center and on-site with our new research partners in contributing to the long-term development and application of MRI. We require a PhD Physics and Physical Chemistry, imaging and MRI experience, a proven track record in research.

**Sr. Staff Scientist**

An individual contributor in the area of data acquisition schemes and processing for MR imaging/spectroscopy. The major focus is to develop data acquisition methods to reduce artifact. Requires a complete MR Physics background, 2-5 years experience in NMR data reconstruction and image processing techniques and high-level computer programming proficiency.

**Sr. Staff Physicist (Magnets)**

To assume project and technical leadership in our Math/Physics Group for the areas of gradient coil design, magnetic design, and interface with magnet vendors. Requires an advanced degree with research and design experience in Electromagnetics.

**Application Specialists**

Requires high caliber registered RT's with four (4) years clinical diagnostic imaging experience (2 in MRI or CT). Responsibilities as a member of the Clinical Science staff includes MRI Training Course involvement, site visits, customer support and contact and marketing support (image preparation, show demonstrations). There are several locations across the U.S.A.

**Software Engineers (MRI, CT, X-ray, Nuclear Medicine)**

The need is for Senior, Principal, Staff-level Engineers who will design, develop, implement, debug, integrate and document real-time control and image processing software for diagnostic imaging systems. The successful candidates will have experience or education in real-time software system development and integration. They will have a working knowledge of the "C" programming language as well as a broad range of experience with software development tools, particularly in a VAX/VMS support environment. Experience with Motorola 68000 microprocessor family and real-time system implementations using the 68000 as a target machine is desired, but not necessary. Previous experience with Hewlett-Packard 64000 development hardware is a plus.

We offer excellent salary and benefits, including relocation assistance. If you are qualified and ready to advance your career, please send your resume in complete confidence to:

Ernie Jones  
NMR Human Resources Manager  
PICKER INTERNATIONAL  
595 Miner Road  
Highland Hts., OH 44143

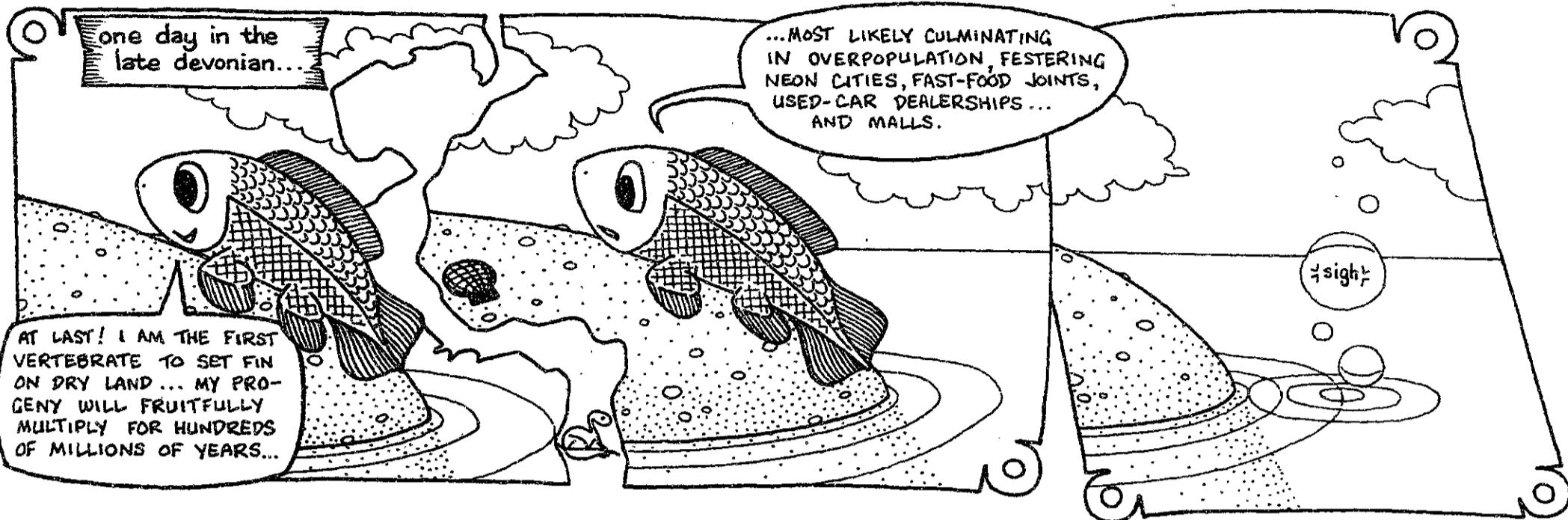
We Are An Affirmative Action/Equal Opportunity Employer M/F/H



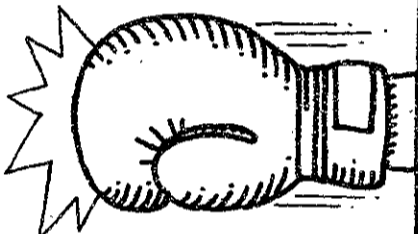
# comics

Ohne

By Shannon T. Zachow



**HELP KNOCK OUT BIRTH DEFECTS**



I've always believed in taking care of myself. But exercise and diet are just part of keeping fit. Get regular cancer checkups.

**American Cancer Society**

THIS SPACE CONTRIBUTED AS A PUBLIC SERVICE

## Call your mummy.



You remember. She was always there when you were frightened. And if you got hurt, she was standing by with bandages. Wouldn't it feel good to talk to your mother again right now?

Calling over AT&T Long Distance Service probably costs less than you think, too. And if you have any questions about AT&T rates or service, a customer service representative is always standing by to talk to you. Just call 1 800 222-0300.

Sure, your schoolwork and your friends keep you busy. But call home and find out what she's wrapped up in.



**AT&T**

The right choice.

Photo and Design: Mark...  
© 1987 Universal City...  
All Rights Reserved...  
1987-1988

## **“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.

Contact Frank W. Brower,  
Corporate Recruitment,  
J.P. Morgan & Co. Incorporated,  
23 Wall Street, NY, NY 10015.

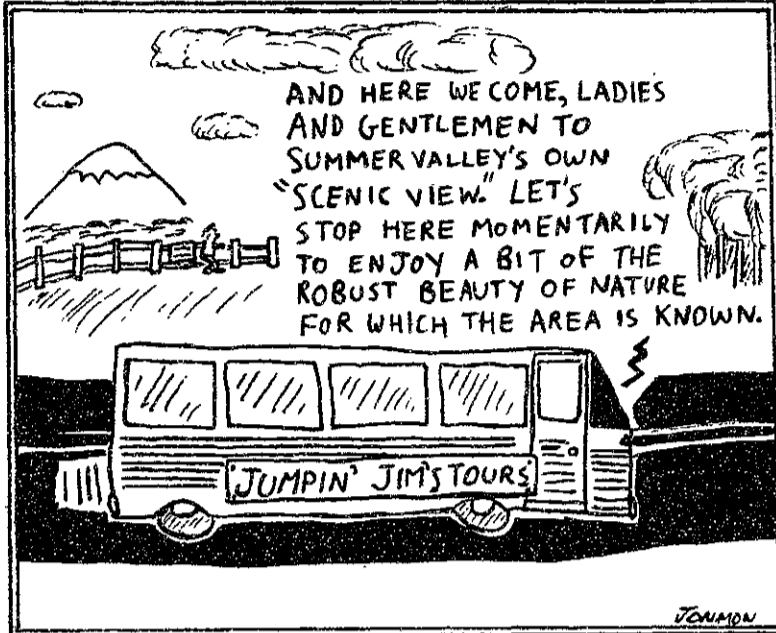


Strength and continuity: Morgan's new headquarters rise on Wall Street; other principal offices are located throughout Europe, Asia and Australia, and Latin America.

# **JPMorgan**

# comics

Critters by Jon Monsarrat



A FAR AWAY PLACE

IS NEAR YOU



Boston Zoological Society  
442-2002

Zoomobile  
Franklin Park Zoo  
Walter D. Stone Memorial Zoo

This space donated by The Tech

# HEAVY METAL



# THIS BUD'S FOR YOU.™

# Do it at NIGHT!

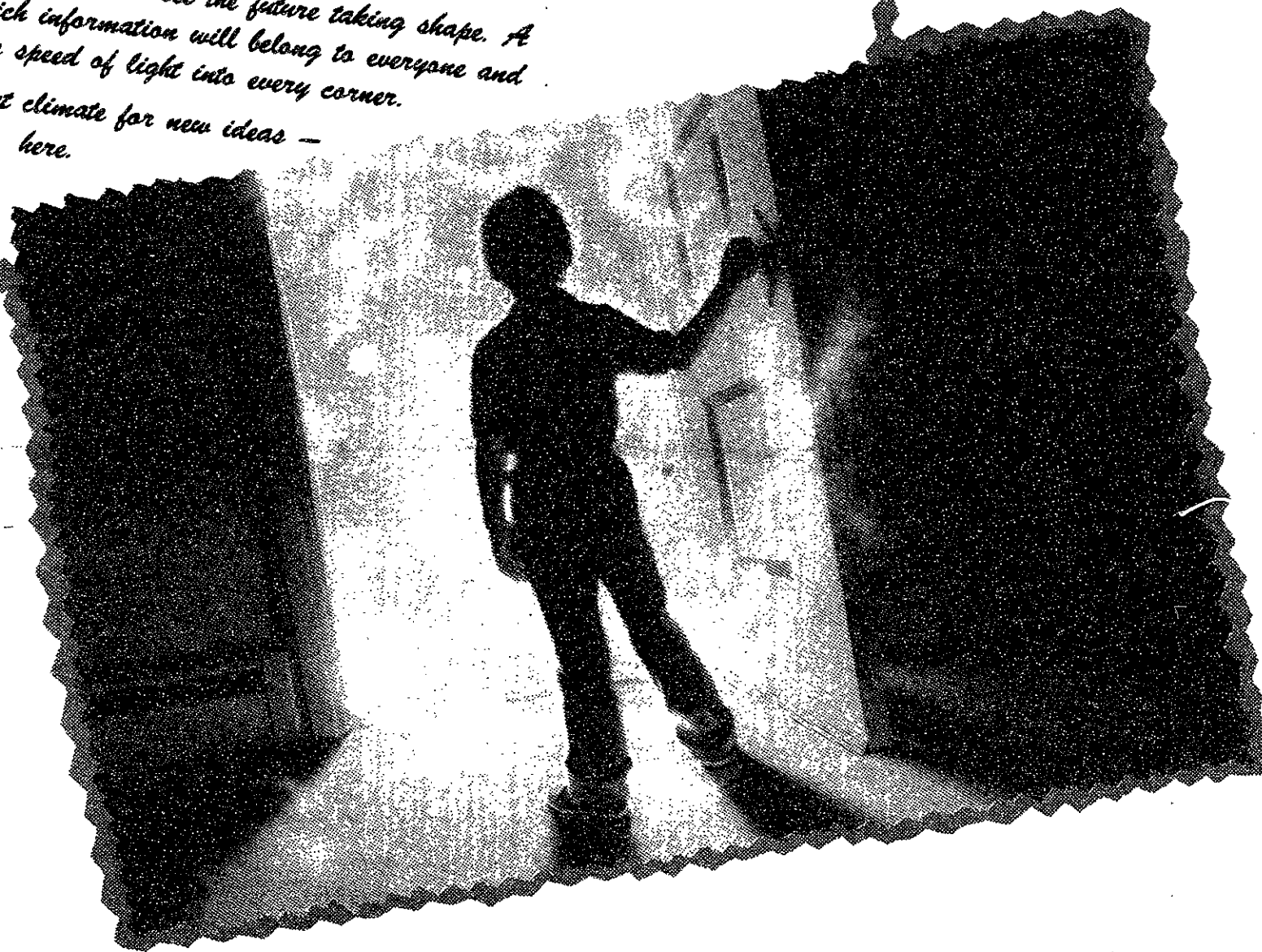
Be a **Tech** production worker!



*Living in the future —  
wish you were here*



*Bellcore — it's a place with a perfect view of the next century. The surf breaks on the leading edge. On a clear day you can see the future taking shape. A future in which information will belong to everyone and move with the speed of light into every corner. It's the perfect climate for new ideas — wish you were here.*



We're the central research and technology source for the Bell operating companies. Our areas of inspired research cover software development, applied research, network information systems, systems engineering, network planning services and equipment assessment.

We have opportunities in our northern and central New Jersey facilities for individuals with BS, MS and PhD degrees in Computer or Electrical Engineering or Computer Science who can help us provide superior technology and implement strategies that will allow the Bell operating companies to deliver advanced systems to their customers. We're also looking for creative talent with PhD degrees in Mathematics,

Statistics, Operations Research, Physics or Human Factors Engineering.

Working in the future is the place to be—if you would like to join us,

**Sign up at the Career Planning & Placement Office to meet our recruiters on campus, November 13**

Alternatively, send your resume detailing your education and experience to: Manager, Technical Employment, Bell Communications Research, Department 127/5438/87, 4B-130, CN 1300, Piscataway, NJ 08854. An equal opportunity employer.



**Bell Communications Research**

Communications is our middle name

# Tonegawa wins Nobel for work in immunology

(Continued from page 11)

the body has against infectious disease, Susumu's work provided the key to how that system functions. It can't be overestimated how important that revelation was."

"I, and most of the scientific community, have been waiting for the Nobel committee to recognize what a pathfinding piece of work it was," he added.

Nancy Hopkins, professor of biology, described Tonegawa as "totally dedicated to his work." He is "very generous and a tremendously exciting scientist."

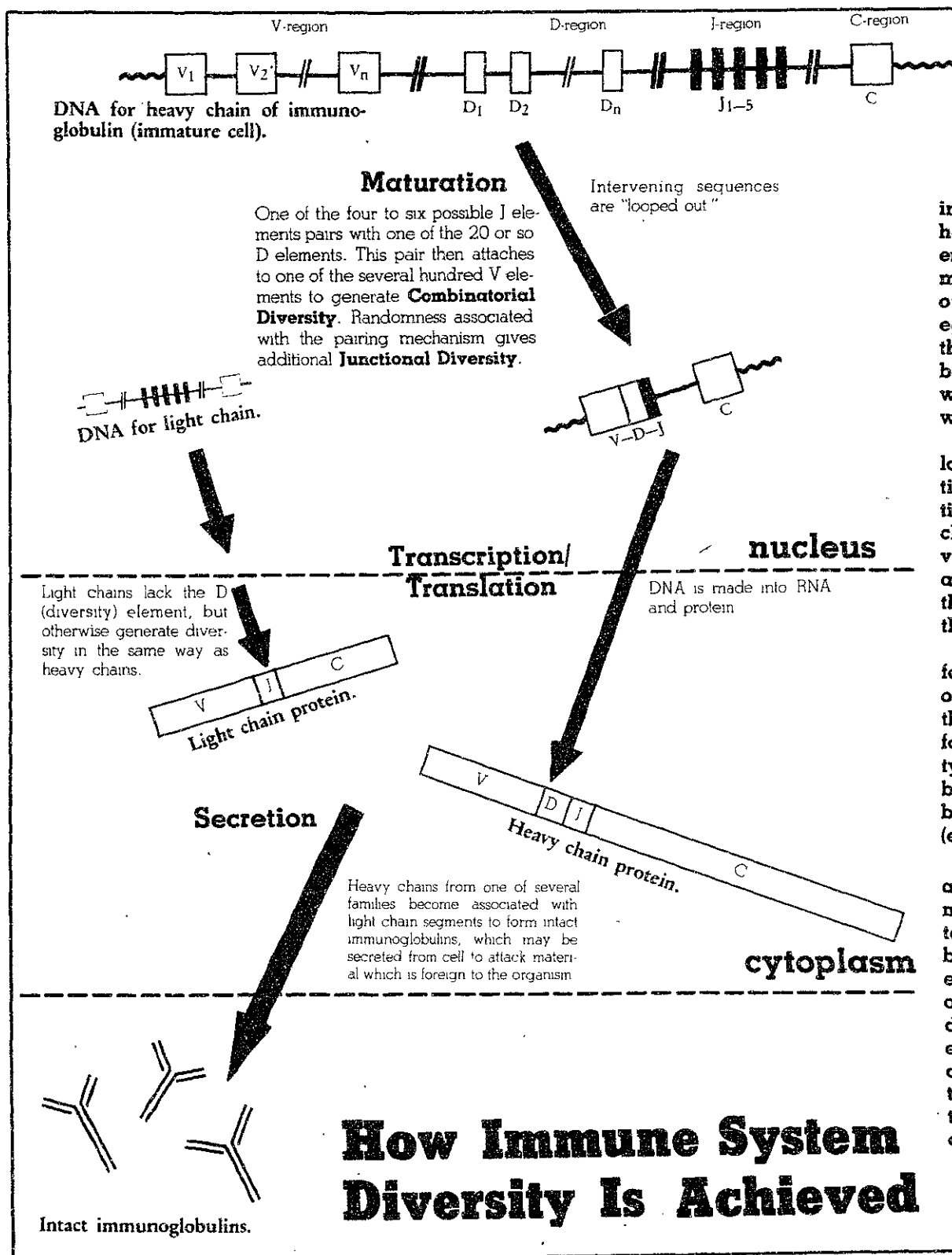
The 1987 Nobel Prize carries a \$340,000 cash award.

Earlier this year, Tonegawa was named a co-recipient of the Albert Lasker Medical Research Award, which is considered second in importance to the Nobel in the medical field. In 1986, he was elected to the National Academy of the Sciences and received the Bristol Myers award of \$50,000 for Distinguished Achievement in Cancer Research.

Tonegawa was born in Nagoya, Japan on Sept. 5, 1939. He received his bachelor's degree from Kyoto University in Japan in 1963 and a PhD from the University of California at San Diego in 1968. In 1968-69, Tonegawa was a post-doctoral fellow at UCSD, and during 1969-70, he served as a fellow at the Salk Institute.

From 1971 to 1981, Tonegawa worked at the Basel Institute of Immunology, where he did much of his revolutionizing work on the immune system. He joined the MIT faculty in 1981. This year, he is teaching a graduate course in biology, Principles of Immunology (7.63).

Tonegawa, his 33-year old wife Mayumi, an MIT undergraduate student in brain and cognitive science, and their nine-month old son Hidde, live in Newton.



## Tonegawa's Experiment

One of the greatest puzzles facing biologists in the 1970's was how the immune system could generate millions of different antibody molecules from a limited number of genes (a few hundred). Tonegawa's experiments showed that this diversity results from the possible combinations which can occur when developing cells "decide" which antibody to produce.

Antibodies, also called immunoglobulins, are made up of two identical "heavy" chains and two identical "light" chains. Each "heavy" chain is composed of four parts - variable (V), joining (J), diversity (D) and constant (C) segments - while the "light" chain contains all but the D segment.

The DNA of all cells holds the information for producing a variety of each of these segments. Although the DNA holds information for many distinct segments of each type (i.e. there are over 300 possible V-types), only one of each may be included in the final antibody (e.g. V<sub>53</sub>J<sub>2</sub>D<sub>12</sub>C).

Tonegawa showed that when an antibody-producing cell undergoes maturation, a DNA rearrangement takes place. The number of possible ways of combining segments equals the product of the number of each type - the main source of diversity. Furthermore, a random element in the joining mechanism and heavy-light chain pairing contribute to the combinatorial diversity which allows an almost limitless array of antibodies.

Tech graphic by Ben Z. Stanger

## Why Choose Hewlett-Packard?

Let's talk about it . . .

# open house

to be held on

**Tuesday, October 20, 1987 from 6:15 — 7:30 p.m.**

**in MIT Room 34-101**

• SLIDE SHOW

• REFRESHMENTS

**Campus Interviews October 21, 22, 23, 1987**  
**Sign up at the Placement Office, MIT Room 12-170**

HEWLETT



PACKARD

**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.

**Two programmers needed part-time** to develop applications. (1) MS-DOS assembler with Appledos/hardware competence. (2) Pascal, assembler for wordprocessing translation to Hebrew. CALL NOW 269-0317.

**The Reality of The Self.** Learn the art of easy Raja Yoga in a practical way. Direct benefits: inner calm, strength and a sense of unshakable well-being. Without charge. B.K. Raja Yoga Center. 734-1464.

**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.

**Arlington Condo** - Spectacular 2 bedroom contemporary unit in restored school building, 2 full baths, European Kitchen, Parking near T; \$179,500. Also Bedford Duplex of 5/4; \$218,500. Coldwell Banker, R.E. 229-6411.

**NEWCOMERS,** retirees, students, and others who might like to know about our service: **TWO WAY STREET,** a clearing house for volunteer jobs in Cambridge and surrounding communities, matches volunteers to worthwhile, often unusual projects, both long and short term. Among our current listings:

**FARM WORK:** Saturdays and Sundays harvest produce "up country" for sale in inner city at below market prices. Transportation provided. Benefits: Autumn FOLIAGE, CANOEING, riverside PICK-NICKING, a free bag of PRODUCE.

**READ** to visually impaired 2nd year **LAW STUDENT,** minimum 2 hours per week. Excellent opportunity for **PRE-LAW** student or other with interest in the law. Times, location flexible.

**CANCER RESEARCH CENTER:** Lab work (clinical and research); library research; computers, financial services, statistics. Minimum 4 hours per week, commitment 4 months. Good public transportation, parking. Gift shop discounts.

Want to know more? Phone **TWO WAY STREET, 868-4134,** or write: Box 477, Cambridge 02140.

**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.

To understand much of what we're doing with respect to cancer research, you'd need a graduate degree in microbiology or biochemistry.

But to understand how well our educational programs and service resources help both patients and their families, simply talk to one out of every 100 Americans who are part of our volunteer program. Or talk to one of the 3 million who've survived cancer.

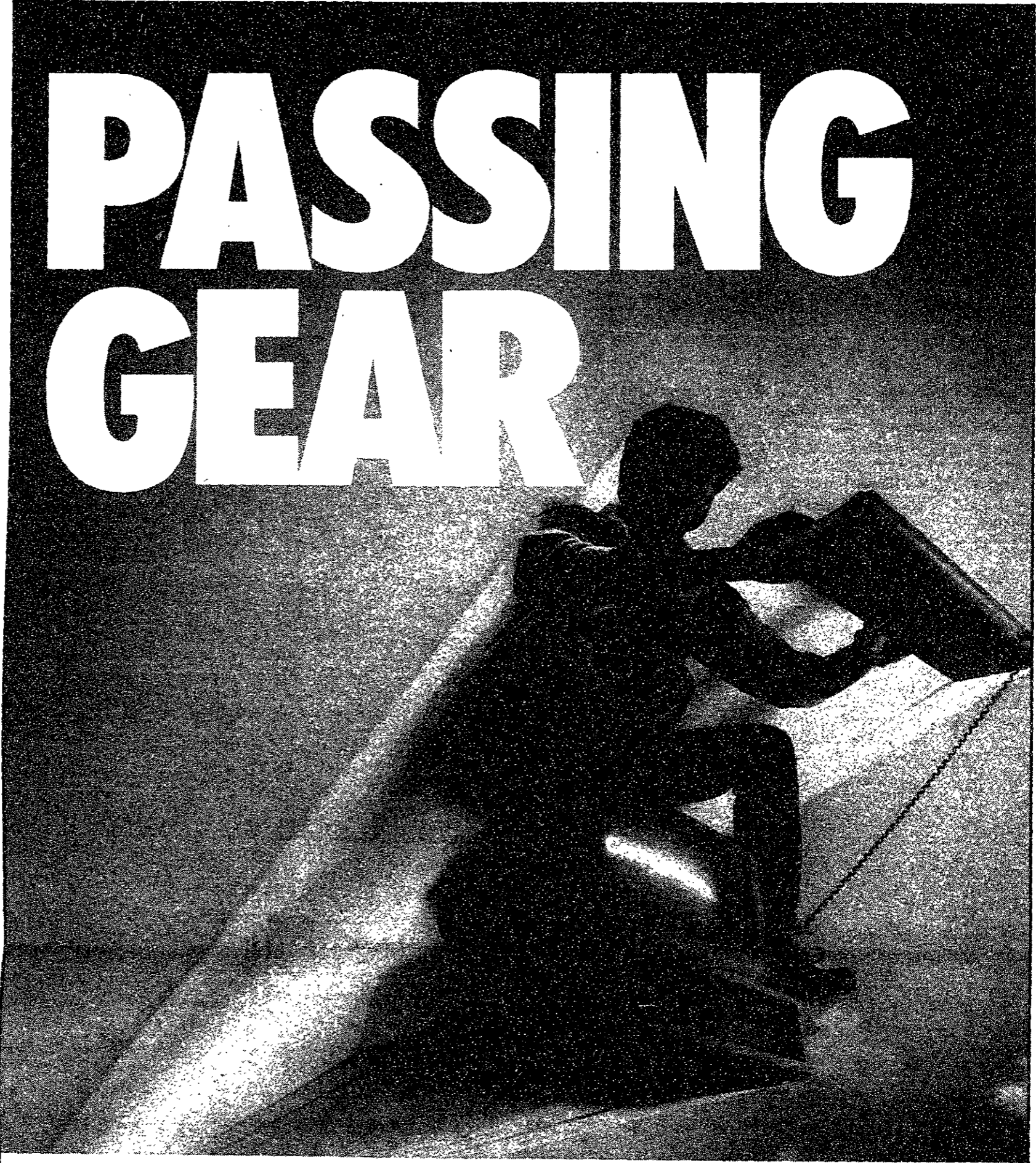
The battle isn't over but we are winning.

Please support the American Cancer Society.



This space donated by The Tech

# PASSING GEAR



**Online Computing Power from CompuServe Puts You Ahead of the Pack.**

Introducing Passing Gear from CompuServe, the world's largest online personal information service.

No matter what type of computer you have, CompuServe turns it into a fast, responsive resource that gives you incredible advantages.

Especially now, while a CompuServe subscription is available to students at special savings.

**Make Your Own Breaks**

Once online, CompuServe subscribers talk "across the table" with luminaries like author Isaac Asimov, artificial intelligence researcher Marvin Minsky, space shuttle astronaut and engineer Joseph Allen and musicians Greg Kihn and Herbie Hancock.

Writers and editors, researchers and teachers, leaders in business and government, enterprising students and student entrepreneurs. You'll meet them all on CompuServe, where the informal interview is the natural way to get around.

**Get Facts Fast**

CompuServe connects you to reference resources you won't find anywhere else. And information you simply can't get any more conveniently than online.

Resources like IQuest™ with access to leading databases from around the world. Electronic news publications. Hardware and software forums for every major manufacturer. And forums for special interests from com-

puter electronics to human sexuality.

Plus online travel planning. Shopping and banking services. Even interactive adventure games.

**Lead a Revolution**

Don't chase the communications revolution. Link your computer and modem to CompuServe and lead it.

Our special student membership offer includes a \$15.00 introductory usage credit, a 200-page Users Guide and a subscription to

CompuServe's monthly newsmagazine, *Online Today*. A \$59.95 value for just \$12.95, plus shipping and handling.

Online usage rates are as low as 10 cents a minute. Order during the term of this offer and receive a FREE "Passing Gear" T-shirt just for being a campus innovator.

To order, call **800 848-8199** and ask for Representative #6. In Ohio, call 614 457-0802. Or fill out and mail this coupon.

**CompuServe®**

**Rush me CompuServe Passing Gear.** Please include my confidential password and I.D., the 200-page Users Guide and a "Passing Gear" T-shirt (one size fits all). Upon completion of my membership online I'll also receive a \$15.00 online usage credit and a FREE subscription to CompuServe's monthly newsmagazine, *Online Today*.

**Send more information about CompuServe.** (Orders will be shipped within 14 days of receipt. Please indicate the shipping address in the space provided.)

Name \_\_\_\_\_

Current Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_

Total cost \$14.95\* (\$12.95 plus \$2.00 shipping and handling.) \*OH, CT and FL residents add state sales tax.

Check enclosed or charge my:  VISA  MasterCard  American Express

Card Number                      Exp. Date  /

Signature \_\_\_\_\_

Mail to: **CompuServe®** Information Services, Attn: Department L, Box 477, PO. Box 18161, Columbus, Ohio 43260 (XE737)

Pricing described herein is available through June 1, 1988, (new subscribers only, one Passing Gear package per subscriber). CompuServe reserves the right to verify enrollment status.

notices

Listings

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

Sunday, Oct. 18

"Whirlwind's Genesis and Descendants." Three of the pioneers who built the Whirlwind at MIT — J.W. Forrester, C.R. Weiser and R.R. Everett — reflect on building the first vacuum tube, real time computer with an operational core memory, and upon research and development at the MIT Lincoln Laboratory. Computer Museum, Museum Wharf, 300 Congress Street, 2 pm.

Tuesday, Oct. 20

Puzzles Old and New: Some Historical Notes is the subject of a lecture given by Jerry Slocum at the MIT Museum. 7 pm. Call 253-4422 for more information

Tuesday, Oct. 20

Terry Tafoya, professor of philosophy at Evergreen State College, Olympia, Washington, will discuss *Circles and Cedar: Native American Epistemology and Clinical Issues*. School of Technology, Room 525, 745 Commonwealth Avenue, 8 pm.

Wed., Oct. 21

Philosopher James M. Langford, University of Notre Dame, will discuss *Science, Theology and Freedom: A New Look at the Galileo Case*. Sponsored in association with the Institute for Philosophy and Religion. School of Nursing Auditorium, 635 Commonwealth Avenue, 8 pm.

Wed., Oct. 21

There will be a MIT Women's League Open House in the Bush Room, 10-105, from 10 am to 3 pm. Displays illustrating the League's interest groups and volunteer activities will be featured. Refreshments will be served. New and old members are all welcome.

Thursday, Oct. 22

"What is the Future for CAST's — Is it Bypass or More?" is a semi-

nar sponsored by the MIT Communications Forum, at which William Osborne of Comsat Technology Products, Bob Dunlap of Telecommunications Enterprises Inc., and Terrence McGarty of NYNEX will be speaking. Bartos Theatre, E15-070, 4-6 pm.

October 23-25

The Yankee Region Student Conference of the Society of Women Engineers (SWE) will conduct its annual meeting at Boston University. Professional development seminars and technical job fair with representatives from two dozen companies. NASA astronaut Ellen S. Baker, M.D. will deliver the keynote address. Registration of \$25. For more information call Mary Fitzgerald at 266-6368.

Friday, Oct. 23

Marine Poisons — Legends and Fact is the topic of a lecture to be

given by Bruce Halstead, Director of the International Biotoxicological Center, World Life Research Institute, Colton, California. The lecture is at 7:45 pm in the auditorium of the New England Aquarium. Free and open to the public.

Friday, Oct. 30

Is There a Real Monster in the Congo? is the topic of a lecture to be given by Phil Lobel, Assistant Scientist, Woods Hole Oceanographic Institution. Sen-

sational tales from the first scientific reconnaissance to find Mikele Mbeme — a dinosaur thought to be staking the forests of the Peoples Republic of the Congo. The lecture is at 7:45 pm in the auditorium of the New England Aquarium. Free and open to the public.

Thursday, Nov. 5

The Cube Question: Rubik vs. Nichols is a lecture given by Dr. Larry Nichols at the MIT Museum. 7 pm. Call 253-4422 for more information

**KEEZER'S**  
CLASSIC CLOTHING SINCE 1895

**Keezer's Covers The Student Body With Affordable Classics!**

NEW TUX JACKETS	\$97.50
NEW TUX PANTS	\$45.00
USED TUX JACKETS	\$40.00
USED TUX PANTS	\$14.50
FULL LENGTH 100% WOOL OVERCOATS	\$35-\$45
TWEED JACKETS	\$12.50-\$18.50

140 RIVER STREET — CAMBRIDGE 547-2455  
MONDAY THRU SATURDAY 10:00-6:00

**POLLUTION**

**Cleaning Up Boston Harbor**

JAMES HOYTE,  
*Secretary of Environmental Affairs,  
Commonwealth of Massachusetts*

DONALD HARLEMAN,  
*Ford Professor of Engineering,  
Department of Engineering, MIT*

PETER SHELLEY,  
*Counsel, Conservation Law Foundation*

MONDAY, OCTOBER 19, 4:30 PM, 9-150

*Informal Supper and Discussion to Follow*  
Sponsored by The Technology and Culture Seminar at MIT

**CRIMSON TRAVEL**

WHEN YOU **Absolutely Positively** WANT THE **LOWEST AIRFARE!**

**CRIMSON** is the only agency in Harvard Square with 3 major airlines' computers on-premise.

American Airlines' SABRE, TWA's PARS & United's APOLLO reservations systems assure you of up-to-the-minute availability and the lowest air fares possible.

**CRIMSON** has its own computerized "cheap-fare search program."

**CRIMSON** is an official authorized agent for all airlines and there is **NO EXTRA CHARGE** when you pick up your tickets at **CRIMSON!**

Make your reservations and pick up tickets at  
**CRIMSON TRAVEL**  
39 John F. Kennedy St. (Harvard Sq.)  
Call 868-2600  
phones attended 7 days a week

**BOOKS**

**WE'VE GOT IT!**

**The Hunting of the Quark**  
The True Story of Modern Physics  
by Michael Riordan

*The Hunting of the Quark is the story of the 20-year search for the quark — the particle inside the proton and neutron components of the atom's nucleus which constitutes the fundamental basis for all life and matter. Riordan's role as an actual participant in the search lends immediacy to this tale of scientists in the hectic give-and-take struggle of momentous discovery.*

**\$9.95**  
Published by Simon and Schuster

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

Coop Charge, MasterCard, Visa and American Express welcome.

**the Coop**

# **Merrill Lynch Capital Markets**

will host an Informational Meeting for

## **MIT Seniors**

to discuss the

## **Financial Analyst Program**

Investment Banking Division  
Corporate Finance Group

and

## **Debt and Equity Intern Program**

Debt Financing Division  
Global Broker/Dealer Group

on

**Thursday, October 22, 1987**

**4:00 p.m.**

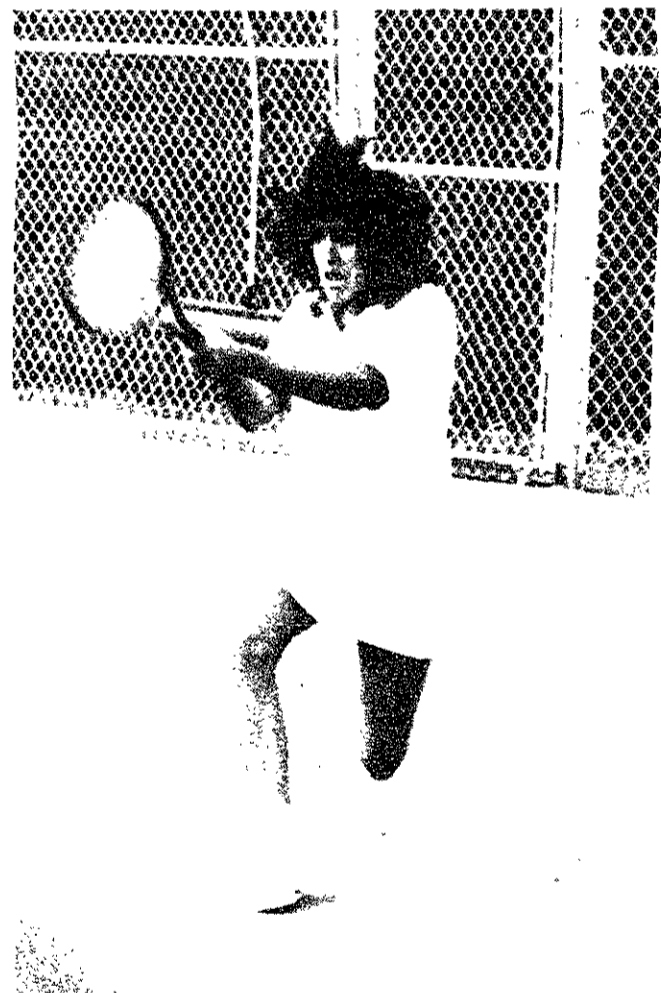
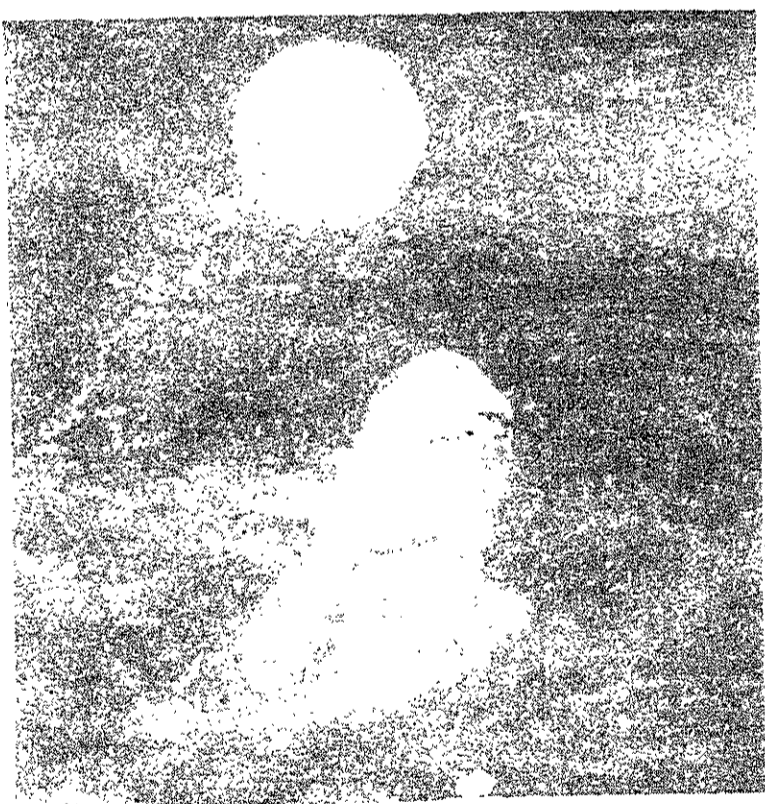
**Room 4-159**

# sports

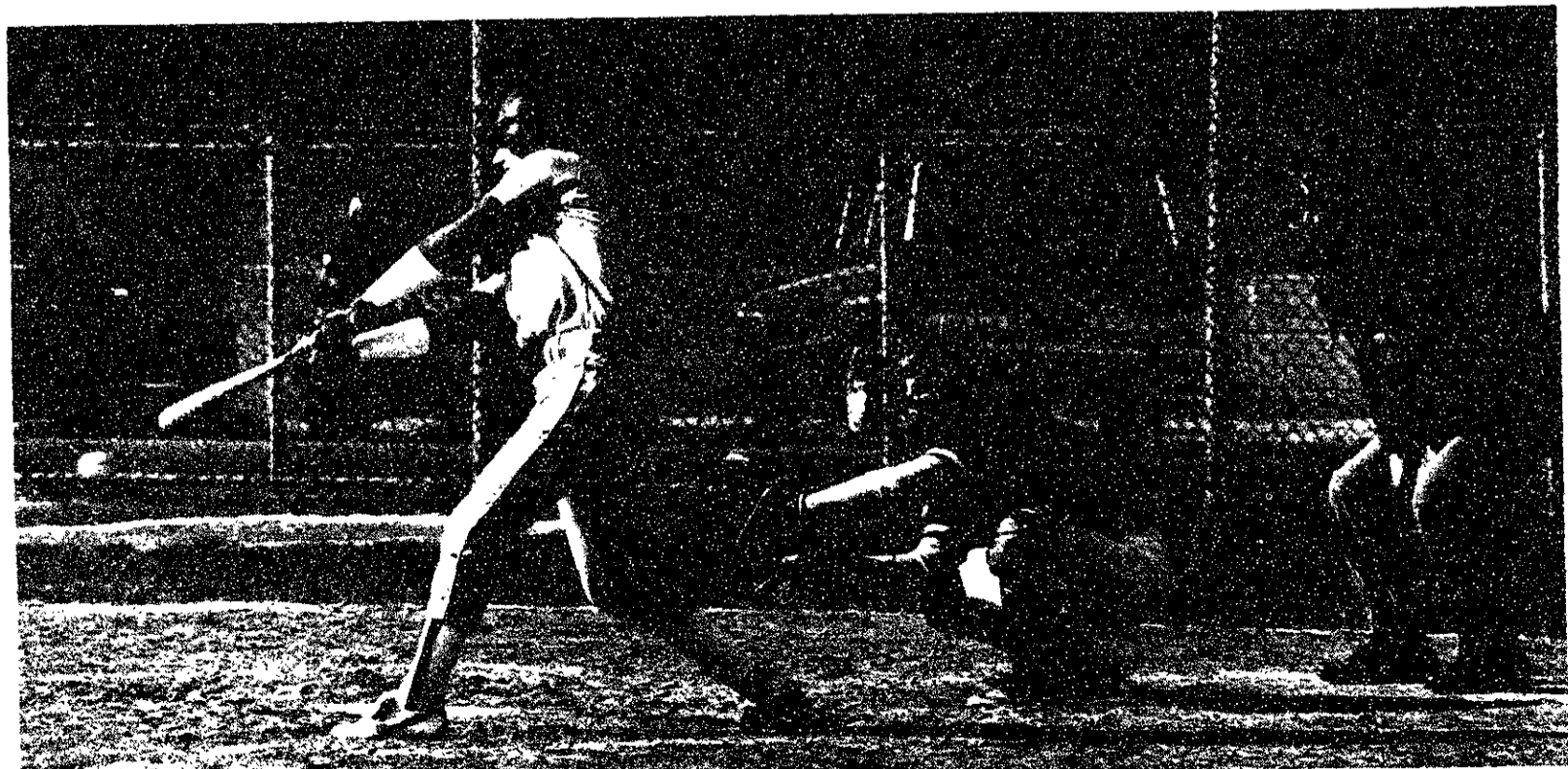


## *The Competitive Spirit: Columbus Day Weekend*

*October  
10-13,  
1987*



Photos by  
Kristine AuYeung  
Lisette W. Lambregts  
Kyle G. Peltonen  
Mark D. Virtue



# sports

## Rugby team shuts out Babson College, 10-0

By Brett Masters

MIT fielded a fully undergraduate side in the Rugby League for the first time last Saturday. It turned out a magnanimous day on two counts. MIT defeated Babson College 10-0 producing a durable display of power and skill.

The first of the two superb tries came from a defensive move where Curtis Barnes '89 broke the opposition line, sprinted 80 yards before being pulled down near the try line. The loose ball was then cleverly scooped up by Paolo Diaz '88 to produce a try just short of half time.

MIT turned with the wind up 6-0, which is enough to demoralize many a team. Babson however fought tenaciously only to be

territorially denied by efficient use of the wind by MIT's flyhalf Grant Schaeffer '88 and fullback Steve Towle '89.

The second try went to Scrum-half Tom Murray '88 resulting from a decisive kick and chase effort. This rounded a great game for him, and reflected a little individuality which wins many games. Babson then was mentally crushed — chasing 10 points into the wind. Generally it was a great way to "kick off" for MIT as an undergraduate rugby side, and without unified training effort with the whole rugby squad it probably never would have happened.

(Editor's note: Brett Masters '91 was captain for the undergraduate side's game.)



Warren Brown '88 drives the ball forward during last Saturday's game vs. Babson.

Howard Tam

## MIT's sailing team finishes ninth in regatta

By Isako Hoshino

At the Hood Trophy Intersectional Regatta, which took place on Oct. 10-11, MIT placed ninth out of 16 highly competitive schools, most of which are nationally ranked. The A division was sailed by Marc Lie '88 and Isako Hoshino '89, and the B division was sailed by Dale Hinman '90 and My Caohuy '90.

This regatta helped MIT qualify for the Schell Trophy Intersectional Regatta, which will be held at MIT on Oct. 24-25. The Schell Trophy is the New England Fall Championships, and is one of the largest and the most important of

the intersectional regattas held in the country during the fall season. The six top New England finishers at the Schell trophy will qualify for the Atlantic Coast Championships, which lead to the Nationals.

At the Northern Series V, held at MIT on Oct. 10, MIT placed third out of 13 schools. The A division team, sailed by Drew Freides '90 and Mike Leary '91 placed fourth in the division. The B division team, sailed by Kyle Welch '90 and Dan Pless '89 placed third.

Also, at the Dartmouth Bowl team race regatta held at Dart-

mouth on Oct. 11, MIT placed second. The team racers were Drew Freides '90, Mike Leary '91, Doug Sabin '89, Rachel Batcheler '91, Kyle Welch '90 and Dan Pless '89.

This coming weekend, MIT will defend the New England Sloop Championship (larger 4-manned boats) at the US Coast Guard Academy in New London, Connecticut, and MIT dinghy sailors will be competing for the Hoyt Trophy Intersectional at Brown University.

(Editor's note: Isako Hoshino '89 is a member of the MIT sailing team.)

**The Tech**  
Established 1881

**CONTINUOUS NEWS SERVICE  
TO THE MIT COMMUNITY**

# CAMERAS

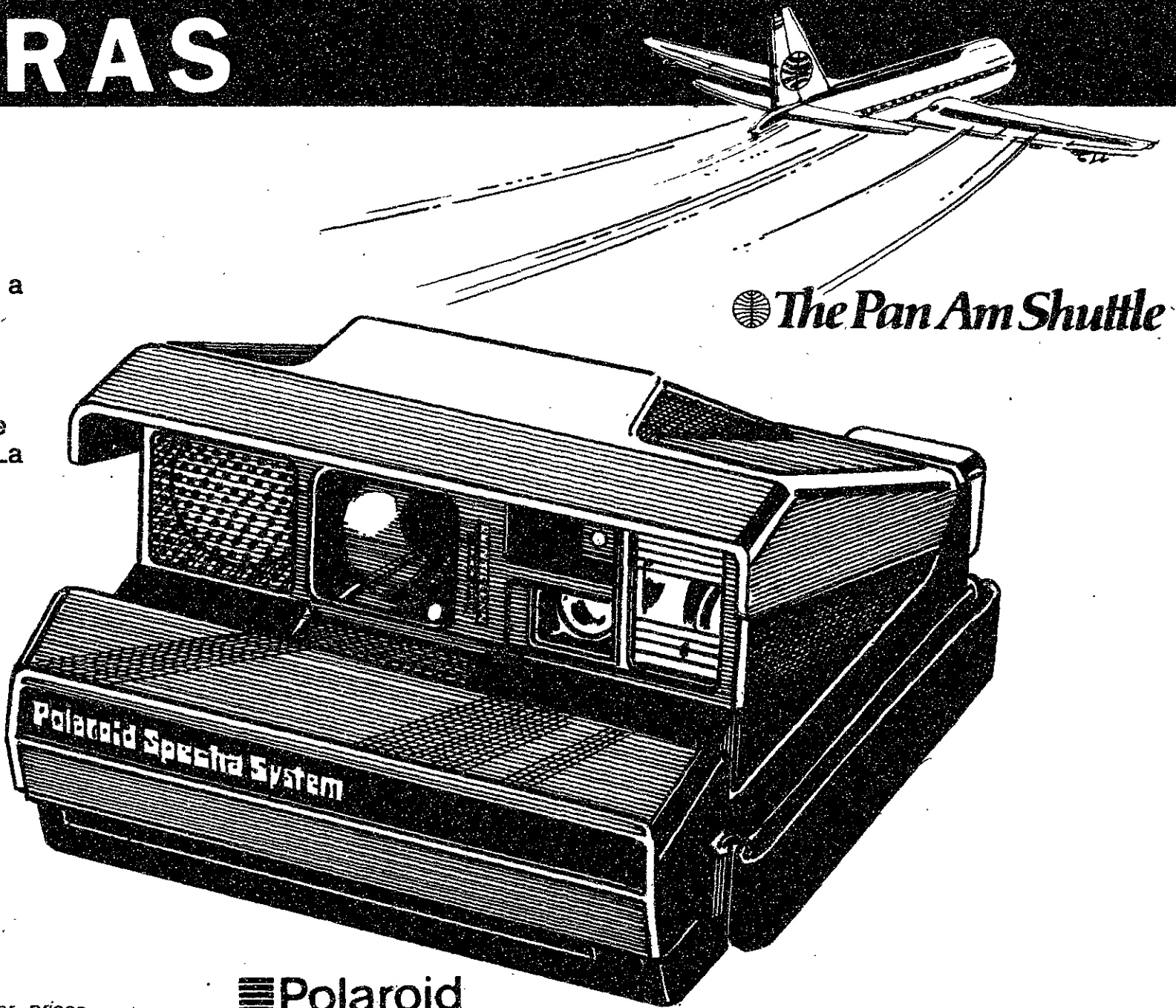
## Fly Free with Polaroid!

Purchase a Spectra camera at great savings and receive a FREE round trip Pan Am shuttle airline ticket with the purchase of one round trip shuttle ticket. This offer applies to all Pan Am shuttle flights between New York's La Guardia, Boston's Logan or Washington's National Airports.

Also, receive a SPECIAL BONUS: Purchase a Polaroid Spectra System camera at the Coop and Polaroid will send you a Gift Certificate redeemable for \$20 worth of any merchandise at the Coop

Polaroid Spectra System camera

Reg 149.99 **SALE 129.99**



**Polaroid**

All savings based on Coop's regular prices.

HARVARD SQUARE  
Cambridge  
M-Sat 9:20-5:45pm  
Thurs 10 8:30

MIT COOP AT KENDALL  
3 Cambridge Center  
M-Fri 9:15-7pm  
Thurs 10 8:30  
Sat 9:15-5:45pm

DOWNTOWN COOP  
1 Federal St.  
M-Fri 9:15-5:30pm

COOP AT LONGWOOD  
333 Longwood Ave.  
M-Fri 9:15-7pm  
Thurs 10 8:30  
Sat 9:15-5:45pm

PARK FREE IN HARVARD SQ\* 1 hr Church St lot or 2 hrs University Pl or Charles Sq garages. PARK FOR \$1 AT LONGWOOD\* Behind Coop after 5pm and all day Sat.

\*With \$5 minimum Coop purchase; validate sales receipt at Coop Cashier's desk.  
Coop Charge, MasterCard, Visa and American Express welcome.

**the Coop**