

Dukakis leading Sears

By Tony Zamparutti

Following former governor Michael S. Dukakis's victory over incumbent Edward J. King in the Democratic primary, much of the excitement has left the race for the Massachusetts governor's office.

Dukakis holds a large lead over Republican candidate John W. Sears and other opponents; in a poll taken last week for *The Boston Globe*, 53 percent of the registered voters surveyed supported Dukakis, 25 percent supported Sears, two percent supported independent candidate Francis P. Rich, and less than one percent supported Libertarian Party candidate Rebecca Shipman.

In the main media event of the subdued campaign for governor, Dukakis and Sears met last weekend in a televised debate sponsored by the League of Women Voters.

The League ruled Rich and other lesser-known candidates could not participate in the debate, because they had not raised

a minimum \$125,000 in the campaign.

"I hope John Sears tonight will tell us what he means when he says he wants to bring the Reagan revolution to Massachusetts," Dukakis said at the beginning of the debate.

Sears repeatedly attacked Dukakis for raising taxes during his administration, and branded him as a politician committed to high taxation and large state budgets. "I'm for cutting state spending and taxes," Sears stressed.

At the end of debate, Sears tried to appeal to King supporters, stressing his support of capital punishment, reduced taxes, mandatory sentencing for drug dealers, and a scandal-free administration: "I agree with you on crime, capital punishment, spending, taxes, sentencing and welfare reform — just as Ed King did."

Dukakis repeatedly emphasized his opponent's support for the Reagan economic program and contended Sears's economic

proposals would bring such a plan to the state.

The best way to create jobs in Massachusetts is to change our national economic course, Dukakis said, and the next governor should work with the state's congressional delegation. The former governor claimed to have cut the Commonwealth's unemployment rate in half and to have created 246,000 new jobs in Massachusetts during his term as governor from 1974 to 1978.

Massachusetts business will flee for other states if Dukakis is
(Please turn to page 10)



Former Governor Michael S. Dukakis (left), and challenger John W. Sears.

Kennedy, Shamie spar

By Barry S. Surman

Republican Ray Shamie is carrying on a flamboyant campaign for the US Senate, challenging 20-year incumbent Democrat Edward M. Kennedy.

Shamie offered a \$10,000 reward to any person or group that could arrange a debate for him

with Kennedy, who seemed unwilling to debate. Kennedy accepted the challenger's offer, telling Shamie to make his check payable to the Cardinal Cushing School and Training Center in Hanover, Mass.

In the debate last weekend, Kennedy emphasized the Reagan economic program as a partisan issue. "When I stood on the floor of the United States Senate some 17 months ago there were less than 10 of us that saw the Reagan economic program as ill-advised, ill-conceived, unfair, and inequitable to the people of Massachusetts and this nation," he said.

"You're not running against Ronald Reagan; not yet," Shamie countered, "You're running against Ray Shamie."

"I am not a Reagan rubber stamp," the challenger claimed. "I've been independent-minded

since I was sixteen years old and I always will be."

Kennedy wants to increase taxes by 10 percent, Shamie charged. "That's a very bad idea."

Shamie attacked Kennedy's stance on a nuclear arms freeze, claiming the incumbent Senator favors an immediate freeze followed by arms control negotiations. "We've got to understand the Russians can't be trusted," Shamie said.

Shamie said he supports a negotiated, verifiable nuclear freeze.

Kennedy responded that he supports only a verifiable nuclear freeze with on-site inspection.

The United States and the Soviet Union, Kennedy said, are like "two individuals in a basement standing up to their waists in gasoline. One has eight matches"
(Please turn to page 11)

Physical Plant faces cuts

By Burt Kaliski

(Editor's note: This article is the fifth of a series examining cuts in the Institute budget.)

MIT cut its Physical Plant budget \$1 million this year, eliminating forty-five jobs, according to Director of Physical Plant Paul F. Barrett.

The department laid off only two or three workers, Barrett explained. The remaining positions were eliminated by attrition — not filling vacated positions.

MIT will make a similar cut in funds and jobs next year, Barrett continued, "but we won't have as many vacancies" from retiring workers. Hence, more Physical Plant workers will have to be laid off. Barrett said he has not decided which jobs to eliminate.

Physical Plant is the largest support service at MIT, with a gross budget of \$37 million and 650 employees, according to Barrett.

Much of the budget is used for external costs, such as utilities, rent and taxes, he said, and the Institute's five percent cut applies only to the remaining \$20 million.

Reorganizing its administration and reducing the number of workers on the evening shift are two ways the department will absorb this year's reductions, Barrett said. The evening shift performs "preventive maintenance," he said.

This year's cuts, Barrett claimed, were made on a "broad basis attack." Barrett met with his division supervisors this week to discuss plans for next year.

Deciding which employees to lay off next year will not be easy, Barrett said. Physical Plant has a "large cadre of long-term employees," he said. Barrett must approve all layoffs, and he has not yet approved any for next year.

With fewer workers, the department will not provide the same repair and maintenance services, Barrett noted, and in the next two years, Physical Plant may not respond at all to some calls.

The department's operations center answers thirty thousand service calls of all types yearly, Barrett said. "If someone calls"
(Please turn to page 11)

McNamara: long shot vs. Tip

By Ron Norman and Tony Zamparutti

Frank L. McNamara, Jr., a Back Bay attorney, is currently faltering in his attempt to remove incumbent Thomas P. "Tip" O'Neill, Jr., Speaker of the House of Representatives, from the Congressional seat he has held for thirty years.

McNamara, in his first campaign for public office, has been plagued by O'Neill's refusal to debate with him, or even to ac-

knowledge him as a serious challenger.

"I'll debate him at the Dallas headquarters of the petroleum industry," O'Neill joked earlier this month while he was campaigning for Representative Barney Frank (D-Mass.) in the new Fourth Congressional District. "He was put into the contest by wealthy Texan oil interests who wanted to keep me at home so I couldn't campaign for other Democrats throughout the country. Most of

his money is from oil interests in Oklahoma, Texas, and California."

O'Neill has spent much of his time campaigning for other Democrats. He occasionally sends surrogates to represent himself against McNamara and has even sent his son, Massachusetts Lieutenant Governor Thomas P. O'Neill III.

"I think the people are entitled to a debate," McNamara de-
(Please turn to page 11)

Heckler, Frank fight in 4th

By John J. Ying

The bitterly contested fight for the newly created Fourth Congressional District of Massachusetts, pits a popular eight-term incumbent, moderate Republican Margaret Heckler against an abrasive single-term incumbent, liberal Democrat Barney Frank.

Since Massachusetts lost one of its congressional seats in the last census, the Democratic-controlled legislature, responsible for redistricting, decided to trouble the incumbent they liked least — Frank, who as a state legislator from 1973 to 1980 collected many enemies by being obstructive and acerbic — by throwing him into the district of another incumbent.

The gerrymandered Fourth District snakes from the affluent suburbs of Newton and Brookline in the north to the struggling urban areas of the Attleboro and Fall River in the south. Although the district has over twice as many

Democrats as Republicans, Heckler retains 70 percent of her old district.

Heckler is trying to portray herself as more level-headed, moderate, and trustworthy than Frank; most importantly, she has been trying to distance herself from the Reagan administration as much as possible.

Heckler emphasizes her scrupulous attention to constituent bread-and-butter problems and is attacking Frank as a dangerous left-winger who supports the legalization of marijuana and "has voted consistently for the exhibition of pornographic literature and for pornographic television."
(Please turn to page 6)



Tech photo by Laurie Goldman

Happy Halloween from *The Tech*.

inside

Two Cantabridgians fight for a seat in the state House of Representatives.
Page 2.

Whatever happened to Omar? Page 4.

How do other schools fund student activities? Page 6.

MIT professors talk about the nuclear freeze.
Page 7.

Zappa shuts up.
Page 8.

Don't cry for me Andrew Webber. Page 8.

Scoville favors freeze

By Ron Norman

Dr. Herbert L. Scoville Jr., president of the Arms Control Association and former deputy director for research and assistant director of scientific intelligence with the Central Intelligence Agency presented a public forum on "The Present Nuclear Danger" in room 9-150 Wednesday.

Scoville spoke in favor of a nuclear weapons freeze, and summarized the present world situation by insisting that "nuclear war itself is becoming more and more likely."

A shift has been taking place in the world, he said, and nuclear weapons are no longer a deterrent to nuclear war, but each country is finding more and more reasons to use their nuclear weapons.

"The first villain," in the change to a nuclear offense was former Secretary of Defense James Schlesinger, said Scoville. The policy has continued to change under each president since Richard M. Nixon, he said, toward a policy of nuclear war fighting instead of deterrence.

A prime example of this policy shift, said Scoville, is the MX missile system. The MX system is purely an offensive system, he said, and serves as a prompt threat to the Soviet Union's intercontinental ballistic missiles (ICBM).

The MX first-strike threat endangers 75 percent of the Soviet missile force, which is land

based, Scoville said. This threat forces the Soviets either to strike first or to set their weapons on "launch on warning" status where the missiles will be launched as soon as their warning systems detect a threat.

"By deployment of the MX missile system, we're making nuclear war more likely," Scoville said. The US's copying of the Soviets' offensive missile system only pressures the USSR to use its forces, he added.

Scoville also discussed the European theater, examining the Soviet threat of SS-4 and SS-5 missiles and new SS-20 ICBM's versus the new US cruise missile and the new "particularly dangerous" Pershing II missiles.

Pershing II missiles are capable of accurately hitting Soviet targets within six minutes of launching, Scoville said. This capability greatly endangers the Soviets' political and military command in Moscow, and forces them to launch a first strike in the event of any disturbance or alert in Europe.

"In Europe, opportunities for a real crisis are much greater," he continued. With this type of weaponry, the real possibility of nuclear war is increased, Scoville said.

"We have a stable mutual deterrent situation today, so let's stop where we are," Scoville proposed. After a freeze is in effect, he said, the US and the USSR will be in a position to begin reduction.

Many people, including Reagan, Scoville said, believe a freeze would leave the US at a permanent disadvantage. "This is unadulterated nonsense," Scoville attacked, repeating that the US has a very secure deterrent force.

An essential element in a joint freeze is that of verification of the freeze, Scoville explained. With today's technology and an "inspection" system with the Soviets, verification is possible, he asserted.

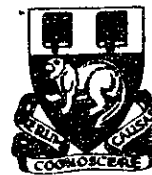
People must pressure the administration to pursue a weapons freeze ideology, Scoville concluded, and reverse the present trend to increased nuclear armament.

YOUR CHANCE TO COME TO LONDON

Junior-year programs, Postgraduate diplomas, One-year Master's degrees and Research opportunities in the social sciences are offered at the London School of Economics and Political Science.

The wide range of subjects includes: Accounting & Finance, Actuarial Science, Anthropology, Business Studies, Economics, Econometrics, Economic History, European Studies, Geography, Government, Industrial Relations, International History, International Relations, Law, Management Science, Operational Research, Philosophy, Planning Studies, Population Studies, Politics, Sea-Use Policy, Social Administration, Social Work, Sociology, Social Psychology, Statistical and Mathematical Sciences, Systems Analysis.

Application blanks from:
Admissions Registrar, L.S.E., Houghton Street, London WC2, England
Please state whether junior year or postgraduate



LSE London School of Economics and Political Science

KENS PUB IN CENTRAL SQUARE

684 Mass Ave 868-5640

Look What \$2⁵⁰ Will Buy

Pint of Draft & Hamburger
Pint of Draft & Potato Skins
Pint of Draft & Steak Fries
Pint of Draft & Chicken Wings
Glass of Wine & Tossed Salad

Serving until 11:00 PM Sun-Thurs
12 Midnight Fri & Sat
Sunday Brunch Noon-3:45PM

Video Games

Bring This Ad

Gas station goes

By James J. Reisert

The Institute may soon have a new visitor parking lot at the corner of Massachusetts Avenue and Vassar Street, according to MIT Real Estate Officer Philip A. Trussell.

The Institute will seek a construction permit for the lot at a city hearing November 4. Work on the twenty-five car lot should be take about two weeks, Trussell said.

The Vassar Real Estate Corporation, owned by former Cambridge assessor Charles Covert and others, recently purchased the former Gulf gas station. MIT is leasing the property from Vassar Real Estate for the next five years.

The Institute will spend between \$3000 and \$4000 to prepare the lot for use, Trussell said.

MIT will build a booth, capable of holding two attendants, at the Massachusetts Avenue entrance of the lot to check incoming cars, he explained, and a hedge will be planted around the perimeter of the lot bordering the corner, to fulfill Cambridge zoning requirements.

Cars in the lot will be "gang-parked" to maximize available parking space, Trussell said. A space will be reserved for hand-capped parking.

The Institute will collect a fee for parking in the lot, Trussell noted, to defray the costs of construction and upkeep.

Two liberals vie for seat in state House

By Sam Cable

Democrat Peter Vellucci, son of Cambridge Mayor Alfred Vellucci, and independent candidate Larry Beeferman are running for state representative from the 29th Middlesex district, which includes East Cambridge, Cambridgeport, and part of Somerville.

Vellucci defeated incumbent Michael Lombardi in the Democratic primary.

The most important issue, Beeferman said, is the economy. He has several proposals which, he claims, will create "decent-paying jobs . . . which are linked to the community in which they are located."

Vellucci said two of the most important issues he would have to address if elected are crime and tax reform.

Vellucci stressed he has lived in the district all his life, while Beeferman "hasn't lived in the district two years."

"The district is mainly made up of working class people," Vellucci said. "I come from a working class background . . . and I've

been involved in the community all my life."

Beeferman said he is "concerned about people having a say in the decisions that are most important to their lives," and has "a record of accomplishment and experience."

The two candidates hold many similar positions, particularly on state referendum questions. Both favor the bottle-bill (question 4), oppose state funding of private schools (question 1), and oppose the death penalty (question 2).

On referendum question 3, which would regulate nuclear power plant and waste disposal site construction, Vellucci said he is "definitely against nuclear power plants." Beeferman said he supports the requirement that a vote be taken before a nuclear power plant can be built.

Both candidates support question 5, the referendum for a nuclear freeze.

"I don't think it would be hard for a political figure to support a nuclear freeze," Beeferman claimed, "but I have been concerned about arms control for fifteen years."



\$18.95

Per Day

with MIT Student or Faculty ID

For Chevrolet Chevette
UNLIMITED FREE MILEAGE
Confirmed Reservation Required

CHECK OUR WEEKEND SPECIALS!

2 Convenient Locations in Cambridge

CENTRAL SQUARE

905 Main Street
492-3000

HARVARD SQUARE

1201 Mass. Ave.
876-8900

news roundup

World

Brezhnev warns of US nukes — USSR Premier Leonid Brezhnev told Soviet generals the United States was threatening "to push the world into the flames of nuclear." Brezhnev, speaking on the 20th anniversary of the Cuban Missile Crisis, pledged the Soviet Union would meet the American buildup: "Lagging behind in this competition is inadmissible." He also said the USSR would try to normalize its relations with the People's Republic of China. With the policies of the Reagan Administration, it is "very important how our relations with other countries shape up," Brezhnev told the military leaders. "Of no small importance are our relations with China. We sincerely want a normalization of relations with that country and are doing everything in our power toward that end."

Argentina will cut its budget to get a loan — Argentina agreed to potentially unpopular budget cuts in order to receive \$2 billion in loans from the International Monetary Fund. Argentina has about \$1.7 billion in unfulfilled payments on \$40 billion of foreign loans. The new IMF funds will provide an emergency measure for payments on this debt. Argentina's military regime hopes the IMF agreement will encourage other Western banks to renegotiate the \$12 billion in principal and interest Argentina will owe by the end of this year.

The Polish economy isn't too hot either — Manfred Gorywoda, economic advisor to Polish leader General Jaruzelski, told the country's 200-member Central Committee Poland is "faced with . . . regression in the economy and a breakdown of economic balance on an unprecedented scale." Gorywoda claimed the 1980 strike that led to formation of Solidarity began the decline of the Polish economy. He also outlined the government's three-year economic plan, which he claimed would alleviate Poland's food and housing shortages and provide higher wages and benefits to workers.

Nation

Meanwhile, back at the ranch, Nobel Laureate talks of depression — George P. Stigler, winner of the 1982 Nobel Prize in economics, surprised administration officials when he declared at a White House press conference Wednesday the nation was in a depression. Speaking just after he met with President Reagan, Stigler compared the severity of present economic problems to the Great Depression. When asked about supply-side economics, Stigler, a conservative economist from the University of Chicago, said, "As I understand it — and it's not an orthodox economic category — it's a gimmick, or, if you wish, a slogan that was used to package certain ideas." White House officials tried to hurry Stigler from the podium, but not before he answered one last question about similarities between the nation's present problems and the Great Depression.

Weather

Optimal for not going to class — Today will be mostly sunny, with afternoon highs from about 70 degrees. Tomorrow will be partly cloudy, with a high of about 70. There may be some showers Saturday night. Remember, meteorologists predict this winter will be particularly harsh; catch the good weather while you can.

Tony Zamparutti

Freshman Orientation Continues . . .

Class of 1986

You are Invited to

The 1982

Freshman Symposium

A Guide to success at the Institute

with seminars and discussion:

Programs, Constraints, Services, and People: MIT in the 1980's

Constantine Simonides, MIT Vice-President

Student Organizations

Stephen Immerman, Office of Dean for Student Affairs

MIT Traditions

Glenn Strehle, MIT Treasurer

Finding Time at MIT

Peggy Richardson, Undergraduate Academic Support Office

Drinking from the Fire Hydrant: How to Approach an MIT education

Frank Perkins, Associate Provost

Saturday, October 30, 1982

1:00 pm — 4:00 pm

Room 66-110

Refreshments will be served

Sponsored by the Interfraternity Conference, the Dormitory Council, and the Office of Dean for Student Affairs

ARE YOUR CAREER GOALS COMPATIBLE WITH YOUR PERSONALITY

- * Learn the career fields that best suit your personality.
- * Direct your academic efforts efficiently
- * Prepare for the career offering greatest self-gratification
- * Avoid time-wasting attempts to become what you are not
- * Learn the personality traits to work on to achieve your goals

By comparing your personality profile with the personality profiles of thousands of successful men and women in a variety of career fields, PERSONAMETRIX can determine the extent to which your personality is suited for a specific career.

Simply complete our 60-minute self-administered personality inventory in the privacy of your home and return it to us. We will assess your personal data professionally and return a comprehensive report describing your personality profile and the extent to which your profile resembles the profiles of those who have achieved success in career fields that interest you.

Send your name, address and \$25.00 (check or money order) to:

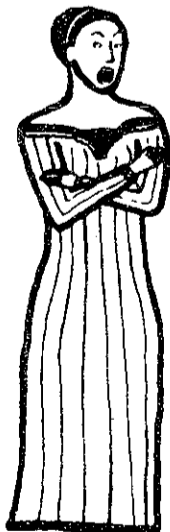
PERSONAMETRIX

9171 Wilshire Blvd., Suite 300, Beverly Hills, CA 90210

The MIT Musical Theatre Guild proudly presents

COLE PORTER'S

KATES
ME
KATE



October 29 & 30 and
November 4, 5 & 6 at 8:00pm
October 31 at 3:30pm

Kresge Auditorium,
84 Massachusetts Ave., Cambridge

Tickets: \$5/\$3 for MIT students
\$4.50/\$2.50 on October 31 & November 4

Information & Reservations: 253-6294

How to have class between classes.



Indulge yourself in a warm cup of Cafe Vienna. It's a light and cinnamony touch of class. And just one of five deliciously different flavors from General Foods® International Coffees.



GENERAL FOODS® INTERNATIONAL COFFEES
AS MUCH A FEELING AS A FLAVOR

Available at: TECH CO-OP

© General Foods Corporation 1982



Opinion

Jerri-Lynn Scofield

Don't let MIT get in way of education

A freshman I was talking to recently admitted sheepishly he has managed to venture into Boston only once since he has been at MIT. To paraphrase Mark Twain, he is letting his schooling interfere with his education. Before winter finally overtakes the city, there are several pleasures of the New England area everyone should experience. Now, before the end-of-term crunch begins, is the time to enjoy some of these experiences. Places to visit proximate to MIT include:

- the Cambridge Common, just beyond Harvard Square, where George Washington accepted command of the Continental Army.
- Boston Harbor, where, among other things, the *USS Constitution*, the famous battleship called "Old Ironsides" that inspired an Oliver Wendell Holmes poem, is anchored.
- Walden Pond, the place Henry David Thoreau immortalized by conducting his experiment in self-reliance and later writing a book about the experience.
- Boston's North End, the home of the best Italian food on the East Coast that is not prohibitively expensive. While in the area, it is worth exploring the old North Church of Paul Revere fame and the subject of its own literary tribute, and Haymarket Square, a source of high-quality, fresh, inexpensive produce, and obnoxious vendors, all year-round.
- Filene's Basement, the popular discount section of the famous department store, where designer clothes are marked down to ridiculous prices. Filene's has recently spawned several spin-offs in the New York Metropolitan area, but none has the cachet of the original basement.
- Plymouth, where the Pilgrims who came to America on the *Mayflower* established their first settlement.
- Salem, the site of the famous witch trials in the mid-1600's, in which several local residents were tried, convicted, and executed for consorting with the devil.
- Rockport, an old New England fishing town, whose romantic atmosphere is unparalleled.
- the Isabella Stewart Gardner Museum, which, unlike its more well-known neighbor, the Museum of Fine Arts, does not attract MIT students trying to finish humanities assignments.
- the Hancock building, a tourist trap whose view is worth seeing anyway. At two dollars, visiting the top of the Hancock is cheaper than getting caught on the Green Building, which results in a fifty dollar fine. Besides, the Hancock view is better anyway.
- Cape Cod, a vista of solitary beauty now that most of the tourists have gone home.
- Lexington and Concord, where the shot heard 'round the world was fired.
- the two cemeteries near the Park Street subway station, where Samuel Adams, Paul Revere, and several seventeenth-century Massachusetts governors are buried, among others.



ISN'T THAT CUTE, DEAR?... JUNIOR SAYS HE'S GOT A JOB AS A DELOREAN DEALER...

Robert E. Malchman

Blear and rowing on the Head

(Part two.)

They sank my boat.

John F. Kennedy

With Omar dead, the mania of the morning is dissipated. Gorged on free BU food and drink, I begin to sink into the weirdness of the afternoon.

Santa Claus rows by on a surfboard wearing a sign on his back "SAILBOARD OARMSTER." I wave. He waves. I wonder how much acid BU puts in its dip.

Two women wearing "Smith Crew" sweatshirts walk by. I ask if they are in fact affiliated with "Smith Crew." They are. I ask them where their boathouse is. They say they are using Harvard's Weld Boathouse, and ask me why I am interested. I tell them my ex-girlfriend, to whom I haven't spoken since July, tried out for crew, and I want to see if she made it. They shake their heads negatively. "We don't know her," they say.

"Thank you," I say, and they go away.

With nothing better to do I determine that a pointless quixotic quest is in order, viz. going to

"Smith Crew's" boathouse where I may find my ex-girlfriend, or "Chick," the macho coach about whom she used to fantasize, who can tell me where she is.

First, however, I must return to the Tech offices to file an interim report and to inform them of Omar's demise, so they can assign another photographer. I hope they won't be mad I lost the first one they gave me.

Regretably no one is there to receive my report or be informed of Omar's demise. I sit down to read *The Harvard Crimson's* "Head of the Charles" supplement to see what turgid swill the treacherous bastards there have penned, and how much of it I can plagiarize for my own story.

Just as I'm getting into the Hong Kong Restaurant ad on page three, Laurie the Photo Editor calls. I know I'm in trouble. She asks if the MIT juggling club is practicing on Kresge Oval. When I reply there is only a lone figure throwing duckpins, she thanks me and starts to hang up.

"Omar's dead, Laurie."

"What?" She sounds incredulous.

"Omar's dead. The BU boathouse people killed him for eating a Wheat Thin."

"What are you talking about?" Sometimes Laurie can be a little thick.

"Omar got caught eating a Wheat Thin at the BU boathouse and was executed for it. Hung from a yardarm, I suppose, or keelhauled," I explain patiently.

"What are you, crazy? I just got a call from Omar. He says he has some fantastic shots for the photo essay. I'll see you tonight." She hangs up.

So the BU boathouse people have an android which talks, looks, and acts just like the real Omar. The treacherous bastards must be trying to infiltrate *The Tech*, and have seized upon the late Omar's form to achieve their evil designs. That's why they let me go; they didn't want me to be suspicious.

Making a mental note to destroy the Omar-android at my first opportunity, I catch the bus to Harvard Square to get to the Weld Boathouse. Walking down John F. Kennedy (*née* Boylston)

(Please turn to page 5)

The Tech

Ivan K. Fong '83 — Chairman
 Jerri-Lynn Scofield '83 — Editor-in-Chief
 V. Michael Bove '83 — Managing Editor
 William L. Giuffre '84 — Business Manager
 Volume 102, Number 48
 Friday, October 29, 1982

PRODUCTION STAFF FOR THIS ISSUE

Night Editor: Bill Coderre '85; Staff: David G. Shaw '82, V. Michael Bove '83, Tim McNeerney '83, Bill Spitzak '83, Jon von Zelowitz '83, Bill Giuffre '84, Barry S. Surman '84, Tony Zamparutti '84, Matt Giamporcaro '85, Max Hailperin '85.

CARTOONISTS

Geoff Baskir '78, Glenn Ackerman '82, V. Michael Bove '83, Bill Spitzak '83, Carol Yao '85, Joe Cerami '86, Oruç Çakmaklı G.

PHOTOGRAPHY DEPARTMENT

Photo Editors: Laurie Goldman '84, Ray Henry '85; Associate Photo Editor: Gerard Weatherby '82; Darkroom Manager: David G. Shaw '82; Staff: Jesse Castillo '82, Jonathan Cohen '82, Jim Vicek '82, Linda Custer '83, Bob Lake '84, Rod Wester '84, Andrew Wold '84, Eve Durra '85, Ken Hughes '85, Vince Light '85, Winston I. Smith '85; Omar Valerio '85; Photographic Consultant: David Tenenbaum '75.

SPORTS DEPARTMENT

Sports Editor: Martin Dickau '85; Staff: Rich Auchus '82, Brian Schultz '84, Arthur Lee '85, Robert E. Malchman '85.

ARTS DEPARTMENT

Arts Editor: Stuart Gitlow '84; Staff: Tom Grycewicz '82, Howard Ostar '82, Joseph Romm '82, Peter Thompson '82, Jonathan Dippert '83, Bill Detlefs '84, David Bondelevitch '85, Stephen Huntley '85, Mark Tunick '85, Mimi Yenari '85, Tom Anderson G.

BUSINESS DEPARTMENT

Advertising Manager: Keith Tognoni '84; Circulation Manager: Jari Georgia.

CONTRIBUTING EDITORS

David G. Shaw '82, Jon von Zelowitz '83, Robert E. Malchman '85; Indexing Project Representative: A. David Boccuti '79; Faculty Advisor: Edwin Diamond.

The Tech (ISSN 0148-9607) is published twice a week during the academic year (except during MIT vacations), weekly during January, and once during the last week in July for \$10.00 per year Third Class by *The Tech*, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139. 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. Telephone: (617) 253-1541. Advertising, subscription, and typesetting rates available. © 1982 *The Tech*. Printed by Charles River Publishing, Inc.

Column/Mark Timpler

1982 Electoral Forecasts made

Millions of Americans will go to the polls Tuesday to exercise a free society's most valuable right — the right to vote. The choices we make on November 2 will help to shape our country's political and economic future for at least the next two years. It will be interesting to see how we vote that day.

At this time, there is little agreement on how the 1982 elections will turn out. Many commentators have forecast a Democratic landslide. Some have even predicted Democratic gains of up to 5 Senate seats (enough to restore the Senate to Democratic control), at least 40 House seats, and about 9 governorships. Others have been more cautious, saying that the Democrats will only make marginal gains on election day, breaking even in the Senate, gaining 10 to 15 seats in the House, and picking up a couple of governorships.

It is hard to tell what will actually happen on election day. Traditionally, the party in control of the White House is expected to do poorly in midterm elections, so Democrats are hopeful. Democrats will also be helped by voter disenchantment with double-digit unemployment and record rates of business failures. But Republicans are outspending Democrats by tremendous margins throughout the country, and

money often makes the difference in close election contests. Nonetheless, I am guessing that the Democrats will pick up 3 or 4 Senate seats, 20 to 30 House seats, and at least 7 governorships.

Of course, there is a lot more to this election than faceless statistics. Throughout the country, there are a number of hotly-contested races that have received national attention. Let's take a look at some of the more interesting ones.

Massachusetts, 4th Congressional District. Two incumbent Representatives have been redistricted together: liberal Democrat Barney Frank and Republican Margaret Heckler. This race has been billed as a true "referendum on Reaganomics." Heckler once held a commanding lead, but Frank has closed the gap by criticizing her votes for President Reagan's policies in 1981. Frank is a controversial figure, but I bet he will win.

California, 5th Congressional District. Democratic Representative Philip Burton, a kingpin of California politics, is in trouble against Republican Milton Marks. In the 1981 gerrymandering of California, Burton gave away key parts of his district to help his brother John, who represented an adjacent district. John has since retired, and it looks like

the voters may retire Philip on November 2.

Illinois, 18th Congressional District. The House Minority Leader, Bob Michel, is facing a tough challenge from an energetic Democrat, Douglas Stephens. President Reagan's sanctions to stop the Siberian natural gas pipeline have hit Michel's district hard, and Illinois voters are upset by high unemployment. Still, Michel is a resourceful campaigner, and I think he will squeak by Stephens.

California, US Senate. San Diego Mayor Pete Wilson is battling Democratic Governor Jerry Brown for this seat. This is a high-stakes race, and over \$10 million has already been spent on this campaign. Wilson was way ahead, but he has some big political liabilities: he is pro-Reaganomics, anti-nuclear freeze, and has suggested that Social Security be made voluntary for people under age 45. Brown, on the other hand, is trying to shake his image as "Governor Moonbeam," who runs around with Linda Ronstadt and cannot even handle a medfly. Most people are picking Wilson to win; Brown is an amazing campaigner, however, and I think he will pull off an upset.

Connecticut, US Senate. Incumbent Lowell Weicker is being

(Please turn to page 5)

Opinion

Omar and the androids

(Continued from page 4)

street, I encounter my friend Erica from Wellesley. She is eating M&M's and is with two friends whose names I won't remember. She offers me M&M's. Frivolously I decide to destroy her mind by asking for two, and only two, M&M's. She laughs and gives them to me: one black, one green. I eat them, and we say goodbye, her mind suitably destroyed.

On the positive side, the Weld boathouse does not have a guard need of giggling. On the negative side, it does not have free food. "Smith Crew" crew is here, though. It does not, however, know my ex-girlfriend. Even worse, "Chick" is no longer employed by "Smith Crew," so I can not even find out if she is dead. Disappointed, I leave the Weld boathouse to return to the Cambridge Boat Club to see if results are in. Instead I run into a friend of mine and two of his cat's pledges. I trade him a shot of Comfort for a shot of peppermint schnapps. We cross Mem. Drive, and I wait while they urinate on Harvard. Then we cross

Mem. Drive again, and they leave, while I go to the Cambridge Boat Club.

The races are over now, and the little old ladies are cleaning up. I take copies of the unofficial times from the stacks in the press room. Since there are no more free stale muffins, I leave.

Darkness is falling when I return to MIT. I decide to go to the Burton House party with the free entry ticket I picked up sometime during the day to get some good post race quotations and liquor.

There are about a dozen people in the Burton dining room when I arrive, and two very worried-looking people behind the bar, in front of twenty or so cases of beer. I am not usually one to turn down free beer, especially twenty cases of it, but the compound weirdness of the day, culminating in the huge Burton dining room, full of beer with no people to drink it, gets to me. I must leave to return to the reality of *The Tech*.

At *The Tech* I find the Omar-android. "You treacherous android bastard," I say, advancing upon it. "I'm on to you."

"What are you talking about?" the Omar-android says.

"You know perfectly well, you machine. You and your treacherous BU boathouse masters will never succeed."

"Hey, you're crazy," it says worriedly.

"Are you bothering Omar?" Laurie says. "He has a photo essay to get out."

"It's not Omar, Laurie, but an incredible recreation," I say. "I told you on the phone, the real Omar is dead."

Laurie leads me to a table with photographs on it. "Look at these great pictures," she says. "Could an android be smart enough to take pictures like these?"

"Certainly," I say, "this is MIT."

"Could a BU android take pictures like these?"

"I suppose not. But then why did he disappear?"

"Hey, I just got bored and left," the Omar-android says.

"Maybe," I relent. "Just maybe." But from now on, I'm going to be watching Omar very, very carefully.

1982 results predicted

(Continued from page 4)

Challenged by Democratic Representative Toby Moffett. Weicker an independent-minded Republican who has disassociated himself from President Reagan; Moffett is a liberal. Weicker is being backed by Moffett from the left and Conservative Party candidate Scien DiFazio on the right, and his support is fading. I think Moffett will beat him by a whisker.

Maine, US Senate. Republican representative David Emery is challenging incumbent Democrat George Mitchell. Emery has had a terribly-run campaign and has won a massive lead against Mitchell. Mitchell is running hard, and I think he will pull it out.

Minnesota, US Senate. Mil-

lionaire Democrat Mark Dayton is fighting moderate Republican Dave Durenberger. Dayton has bought his way from obscurity to within a couple of points of Durenberger. Come November 2, I think Minnesotans will send Dayton to Washington and bring Durenberger back home.

California, Governor. Los Angeles Mayor Tom Bradley is running against Attorney General Mike Deukmejian. Bradley has been a widely-respected mayor, Deukmejian has led the fight against crime in California. I believe Bradley will win, becoming America's first black governor.

New York, Governor. Millionaire Republican Lewis Lehrman is facing liberal Democrat Mario Cuomo. Lehrman is an avid supporter of supply-side economics,

and he has spent millions of dollars to boost his name-recognition among voters. Cuomo is the liberal who came from behind to upset New York Mayor Ed Koch in the Democratic primary. Most analysts have picked Cuomo, but I think Lehrman will win this one.

Those are my predictions for some of the more important races this year. We will just have to see what happens on November 2. One thing we can be sure of: our votes do count, and they will help to determine our country's destiny. I hope we choose wisely.

GRADUATE STUDIES IN PREVENTIVE MEDICINE

COMMUNITY HEALTH
EPIDEMIOLOGY
HEALTH POLICY AND PLANNING
ENVIRONMENTAL HEALTH

Students holding baccalaureate, master's or professional degrees are invited to apply to the Graduate Program in Preventive Medicine at The Ohio State University. The program opens career opportunities in the study of the health of human populations, the investigation of the causes of disease, and the planning of strategies of prevention and health care. There is growing demand for persons educated in these areas in community, state, federal and international organizations concerned with health promotion and health care delivery.

Students in our program have come from such diverse backgrounds as the biological and social sciences, engineering, education and the humanities, as well as the medical sciences. Our Department offers the M.S. and Ph.D. degrees.

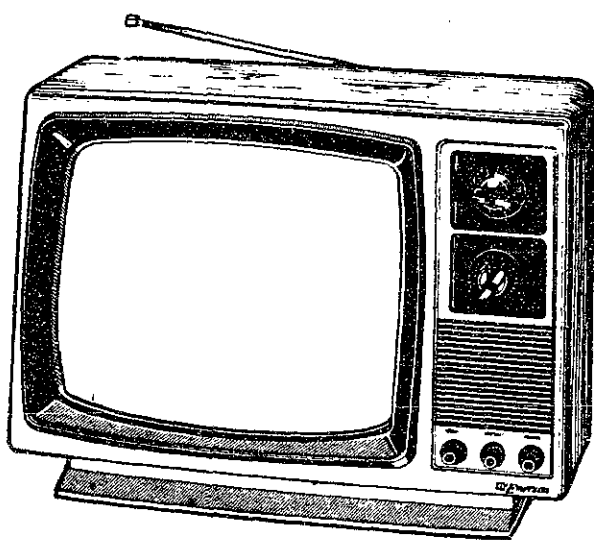
Inquiries should be addressed to:

OSU

The Ohio State University

OFFICE OF GRADUATE STUDIES
ROOM B-201, STARLING-LOVING HALL
DEPARTMENT OF PREVENTIVE MEDICINE
410 WEST 10TH AVENUE
COLUMBUS, OHIO 43210
(614) 421-3907

Savings Worth Broadcasting

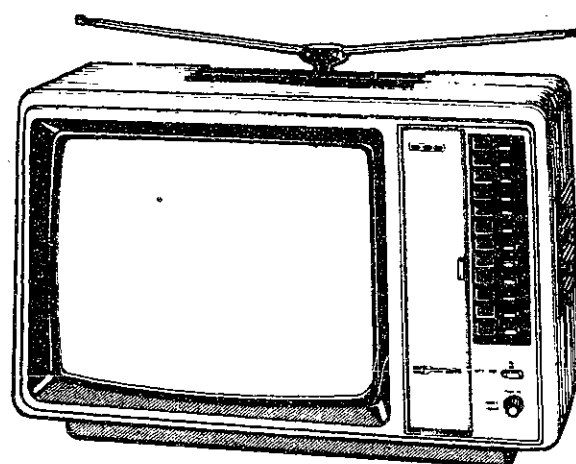


Save \$20

on Emerson 12" B&W TV

Features include: automatic gain control for better fringe area reception; telescoping VHF swivel antenna; separate UHF antenna.

reg. \$89.95 Sale \$69.95



Save \$30

on Emerson 13" Color TV

Features include: "soft touch" electronic tuning; full range speaker; earphone jack; cable ready 75 ohm connector.

reg. \$279.95 Sale \$249.95

HARVARD COOPERATIVE SOCIETY

MIT Student Center



"ONE OF THE YEAR'S BEST FILMS!"

A gentle, warm, sensitive, touching movie, a film I won't soon forget. I urge you to see it and to savor it like a glass of French wine."

—Jeffrey Lyons, WPIX-TV/WCBS Radio

"CHARMING.

Jeanne Moreau presents the romantic awakening of a pretty, nubile youngster with delightful straightforwardness and ease."

—Janet Maslin, NEW YORK TIMES

"A FILM MASTERPIECE."

—Archer Winsten, NEW YORK POST



L'Adolescente

(THE ADOLESCENT)

A FILM BY JEANNE MOREAU

Starring SIMONE SIGNORET

EDITH CLEVER - Music by PHILLIPE SARDE

A LANDMARK FILMS RELEASE

Exclusive New England Premiere Engagement

NOW PLAYING

1:15-3:00-4:45-6:30-8:15-10:05

BEACON HILL
1 Beacon at Tremont 723-8110

BU, others use activity fee

By Daniel Crean

(Editor's note: This article is the second of a two-part series examining student government and activities funding at MIT and other colleges and universities. Part one appeared October 22.)

The MIT Office of the Dean for Student Affairs is providing \$95,364 to the Undergraduate Association for student government and activities this year; other colleges and universities fund their student groups in a variety of ways.

Harvard College's newly-formed student government will receive a budget of \$58,272 this year, according to Undergraduate Council Treasurer Peter N. Smith. The money comes from a \$10 student activity fee, said Stephen W. Homer of the Harvard bursar's office, of which \$6.50 is optional.

Approximately half the council's money will be distributed to clubs, Smith said, and the remainder will cover the Undergraduate Council's expenses. The budget, he said, is a "good start," but indicated the council will likely need budget increases in coming years. Harvard enrolls 6500 undergraduates.

Princeton University assesses its approximately 4500 undergraduates a fee of \$28 a year, according to student government

president Ken Saxon. The \$129,000 annual budget is then distributed by the Student Activities Council. In addition, Princeton's Dean for Student Affairs provides about \$10,000 for expansion of student organizations, Saxon said.

At Tufts University, the student government budget is about \$280,000 this year, according to student government President Allan Gelber. The money comes from a fee of \$58 charged Tufts' approximately 4500 undergraduate students. In addition, the administration's Student Activity Office distributes approximately \$25,000 for student projects, he said.

Boston University's Student Union has \$253,000 to spend this year, according to Union President Joe Miglio. The Union's budget includes dormitory activities and some academic activities, in addition to student organizations. About 57% of the budget goes directly to student organizations, Miglio said. The Union's funds come directly from a \$40 annual fee charged each of BU's 8000 undergraduate dormitory residents and \$30 charged each of the 4000 off-campus residents.

Rensselaer Polytechnic Institute (RPI) imposes a fee of \$164 on its undergraduates, according to Student Union Director Rob

Lundy. The Student Union had an overall income of approximately \$5 million last year, of which student clubs and organizations spent about \$600,000. The student activities raised a portion of the budget, and were subsidized \$313,000, Lundy added. RPI's Union Program and Activities Council also distributed about \$156,000 for different projects.

Amherst College assessed its students a \$95 activities fee this year, according to Assistant Dean for Student Affairs M. L. Farrell. The \$150,000 budget which is divided among about 50 clubs by a student allocations board.

At the California Institute of Technology, the student government is an independent corporation — the Associated Students of Caltech (ASC) — said ASC President Tim Brasey. Students pay \$45 a year for all ASC benefits, he said. In addition, the Caltech administration provides about \$25,000 for student activities through the "Caltech Y," said Undergraduate Dean David Wales.

The MIT Undergraduate Association (UA) has discussed proposals for a student activity fee set by the UA General Assembly, but has never taken any action on the proposals.

NEW & USED HIFI. BEST PRICES.

JANIS QUAD APT/HOLMAN NAD
ACOUSTAT NAKAMICHI HAFLER DYNACO
GRACE DYNAVECTOR REGA MCINTOSH
BUY SELL TRADE CONSIGN RENT

Q AUDIO. 95 Vassar St. Cambridge, MA 547-2727.
Monday-Saturday 10-6 Mastercharge & Visa Welcome

Get Published!

Rune, the MIT journal of arts & letters is now accepting submissions:

Poetry,
Prose,
Photographs & Sketches

Please send with return address to 14E-310 (The Writing Center)

<p>Café 472 Mass. Ave. Cambridge</p> <p>\$3.99 falafel sandwich for MIT students</p> <p>Light lunches & dinners</p> <p>Exotic pastries baked on premises!</p> <p>Try our Sunday brunch!</p> <p>Open 7 days</p>	<p>Middle East RESTAURANT-CAFE Proudly Presents</p> <p><i>Surprise of the Day</i></p> <p>Freshly Baked, Freshly Ground, Freshly Squeezed, Whole grain BREAKFAST!</p> <p>Stop in for a FREE BREAKFAST DRINK before or after class w/this ad!</p> <p>Mon-Sat. 8-11 a.m.</p> <p>TRY OUR:</p> <ul style="list-style-type: none"> • Cappuccino • Espresso • Fresh Squeezed Juices and much more! 	<p>Restaurant 4 Brookline St. Cambridge</p> <p>AUTHENTIC ARABIC FOOD!</p> <p>LIVE MIDDLE EASTERN MUSIC & DANCING</p> <p>THUR-SAT 9 PM-1 AM SUN 11 AM-2 AM</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Heckler, Frank vie

(Continued from page 1)

Frank has ferociously attacked Reaganomics and has invariably associated Heckler with it. He blames Heckler for forgetting her constituents by voting with Reagan in 1981 for budget cuts and large defense expenditures.

Most of Massachusetts' women's groups, angered by Heckler's stands on abortion and social spending, have endorsed Frank. "We were so disappointed in her," said Kay Doherty, Massachusetts coordinator for the National Organization for Women (NOW). "She had been fighting for the ERA, and then she just dropped it. We base endorsements on women with proven records."

Both candidates have brought in political heavyweights to boost their campaigns. Senator Edward Kennedy (D-Mass.) and Speaker of the House Thomas P. O'Neill, Jr. (D-Mass.) have campaigned in support of Frank, while Senate Majority Leader Howard H. Baker (R-Tenn.) visited the district to praise Heckler.

After it became clear she would face Frank, Heckler's positions changed noticeably. This year she has voted against Reagan's budget and defense expenditures — measures she voted for in 1981. Presently, the two incumbents' positions are fairly similar on many issues. The only major differences are abortion, which Frank supports and Heckler opposes, and defense spending, which Heckler tends to support more than Frank does.

Julio's Pizza
101 Magazine St.
Cambridge
tel. 491-4124

Tues - Sat
10:30 - 9:00pm

Special - fresh salami sub exclusively at Julio's \$3.75/50c off with this ad

E-Systems continues the tradition of the world's great problem solvers.

Guglielmo Marconi was able to see communications revolutionized by his development of the first successful system of radio telegraphy — the wireless. His first experimental transmissions were no more than a few feet. But, within a quarter of a century, he had advanced his system to the point that a radio message sent from England could be received in Australia.

E-Systems scientists and engineers continue to expand the technology he began. Today, communications equipment designed and developed by E-Systems engineers is used extensively around the world for line-of-sight or satellite communications, digital communications and applications requiring micro-

processor-based teleprinters, tactical radios and microminiature HF VHF and UHF equipment.

In addition to communications, E-Systems engineers are solving many of the world's toughest problems in antennas, data acquisition, processing, storage and retrieval systems and other systems applications for intelligence and reconnaissance. Often, the developed systems are the first-of-a-kind.

For a reprint of the Marconi illustration and information on career opportunities with E-Systems

in Texas, Florida, Indiana, Utah, and Virginia, write: Dr. Lloyd K. Lauderdale, Vice President Research and Engineering, E-Systems, Inc., Corporate Headquarters, P. O. Box 226030, Dallas, Texas 75266.

E-SYSTEMS
The problem solvers.



Our ECI Division will be on Campus Interviewing November 14

MIT: Voices supporting the nuclear freeze

By John J. Ying

Massachusetts voters will vote next week on a referendum advising the Reagan Administration to implement an immediate nuclear freeze with the Soviet Union. The Tech interviewed six freeze supporters from MIT: Leo Marx, Professor in Science, Technology, and Society, Aron M. Bernstein, Professor of Physics and Chairman of the Faculty Disarmament Study Group, Bernard T. Feld, Professor of Physics and editor in chief of the *Bulletin of the Atomic Scientists*, George W. Rathjens, Professor of Political Science, Professor Philip Morrison, Institute Professor of Physics, and Andrew D. Gavrin G, co-chairman of the MIT Disarmament Study Group.

Q: What is the single most important reason for a nuclear freeze?

Bernstein: "It is that the momentum of the arms race is so great now, and that the new weapons are so damaging for ourselves. The new weapons are so offensive that they drastically increase the threat of nuclear war. They put tremendous pressure on both sides. For example, take the Pershing II missile. It reaches Moscow in five minutes from their base in Western Europe. As a result both sides have to go to a launch-on-warning approach, and the probability of nuclear war goes up."

"The freeze is a brilliant political maneuver because it has captured the public attention and imagination. Thus, it is the most important one from that point of view, but it is not enough. It is just the first step in a process to start nuclear disarmament."

Rathjens: "It's the most obvious approach to reversing the nuclear arms confrontation between the US and Russia. However, other things are just as important. But it is an object for which we all should be working — as fast as we can."

Feld: "... In the current situation the US and the USSR are on par, but the probability that both sides don't escalate is very small. We are like an automobile heading towards a precipice; the first thing is to stop."

"The problem is negotiations are so slow. Since the SALT talks started, there has been a tripling or quadrupling in nuclear stockpiles. It seems to me the idea of a freeze is an obvious one."

Morrison: "The arms race must be brought to an end or national security will be lost, and this seems like a good time to do it."

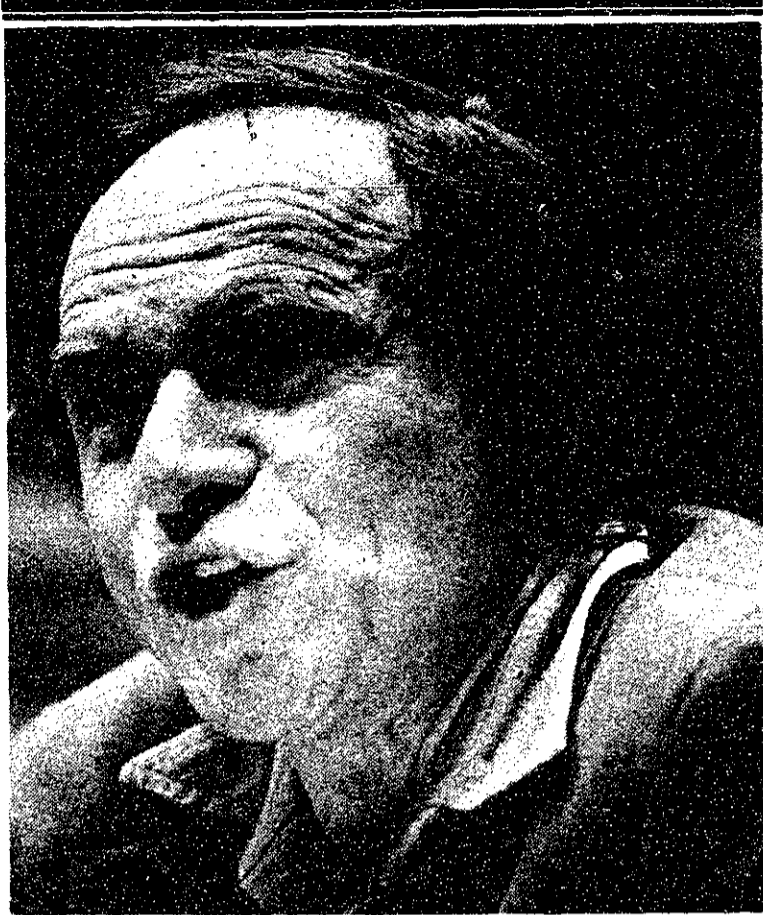
Q: What do you think of President Reagan's view that if we freeze weapons at current levels, the US will remain permanently behind the USSR?

Rathjens: "He is just wrong. Both the US and the USSR have so many weapons it's obscene. There is no significant difference between what we have. I don't think that all those figures on warheads and delivery systems are useful."

Feld: "Frankly I think it's stupid. The Russians don't have a lead. The Russians are ahead in some things and we are ahead in others. The US and the USSR are in a standoff in terms of absolute effect — devastating retaliations that could kill 50 to 100 million people. Either President Reagan doesn't know what he is talking about, or he isn't leveling with us."

I think we should spend some money on C³-I to make sure we don't use the weapons by accident. As long as we have weapons, we should maintain control of them. My worry is that some people would feel with C³-I, we could have use of them with limited objectives — without escalation occurring. I worry about the people who believe after spending a few billion, we can have a limited nuclear war.

— George W. Rathjens



Tech file photo

I don't believe that this is a one-week problem. I've been with this for 35 years. Only last year has shown recent public interest. The last time was for the Nuclear Test Ban Treaty. This is the next time. I hope the interest lasts long enough to make a political impact because it hasn't yet. This is a long term issue, and I hope people stay interested.

— Philip Morrison

Morrison: "It's wrong. There has hardly ever been a time of such relative equality. We used to have much more stuff than they did. They have caught up. We no longer have a five to one superiority, but it is unrealistic to think we could maintain one. Superiority means nothing since we each have enough to destroy the other."

Q: What do you feel about the contention the Russians are basically untrustworthy and will not follow any agreement we make with them?

Bernstein: "In this business of politics and policing treaties, we should not rely on too much trust. It isn't good to have blind trust; however, it also isn't good to have blind fear either. Let's look at this rationally. The Russians have a strong rational interest in stopping the arms race. Their economy is in a mess. But we must remember that they still live under the shadow of World War II — one entire generation of their men were lost."

Q: What do you think about the belief that a treaty would be unverifiable?

Bernstein: "That's nonsense. Total bans are much easier to verify than the present agreements. We should stop all test explosions and test missile firings — this would be very easy to verify. As an example of how much we know, Brezhnev said that they stopped all production of the SS-20, but the US said no. They completed the missiles they had already started."

Feld: "It's very funny. In deployment, we know everything about their missiles — their number, their accuracy, their positions. In an agreement, all our hot verification methods, satellites, *et cetera*, suddenly become useless. Assume they have a few more, say 1020 instead of 1000; it's impossible for them to have much more and not to have us know. The whole issue of verification is a red herring. The idea that they can cheat significantly is ridiculous."

Morrison: "Untrue. Technically wrong. They [the treaties] are highly verifiable."

Q: What do you think of the recent surge in support for a nuclear freeze?

Rathjens: "The issue has grown enormously both in Europe and in the US. The question is whether it can be sustained. My feeling is it has already subsided, but I hope not. We must make these issues a matter of public concern: the development, use, and deployment of nuclear arms."

"It is very hard to sustain interest in an issue for a very long time unless the issue has a direct impact on a large group of people. For example, the Nuclear Test Ban Treaty which prohibited atmospheric testing resulted from people's concern about radioactivity in the food."

"If Reagan had not been elected, had not made such strong statements, and had not pushed for so many new weapons, the opposition [to nuclear weapons] would not be as strong. It is much easier to raise money now than before. The Administration has such a strong position, the public is scared."

Feld: "People are suddenly realizing that these things are dangerous. It's not just the crazy scientists anymore, but conservative people like doctors and lawyers who are worried, too. This has had an effect. It's not an accident President Reagan proposed Zero Option in Europe."

Marx: "Many people are being affected by the new comparisons to important American idealisms. For example, in Jonathan Schell's book *The Fate of the Earth* he puts nuclear war in the context of destruction to the environment. He poses it as the ultimate ecological problem and makes his book very powerful this way."

Morrison: "I don't believe that this is a one-week problem. I've been with this for 35 years. Only last year has

shown recent public interest. The last time was for the Nuclear Test Ban Treaty. This is the next time. I hope the interest lasts long enough to make a political impact because it hasn't yet. This is a long term issue, and I hope people stay interested."

Gavrin: "Last year at this time we had between six and eight people at a [Disarmament Study Group] meeting and this year we have between 15 and 25. Many of the freshmen came in this year who worked on the freeze their senior year. Lots of people came in and got in touch with us."

Q: Do you feel the US should spend money on a C³-I (Command, control, communications, and intelligence) system?

Rathjens: "I think we should spend some money on C³-I to make sure we don't use the weapons by accident. As long as we have weapons, we should maintain control of them. My worry is that some people would feel with C³-I, we could have use of them with limited objectives — without escalation occurring. I worry about the people who believe after spending a few billion, we can have a limited nuclear war. So I support some expenditures, however, with reservations and concern."

Feld: "It seems to me on one hand, we should know what we are doing with the weapons and should have command and control. On the other hand, the idea is nothing new. We need much more stringent control over nuclear weapons than over things like artillery pieces because the potential for damage is so much greater. We must make sure the C³ is very redundant. The more vulnerable the system, the more unstable the situation. This is why I prefer submarines to land-based missiles; they are hidden and invulnerable."

Morrison: "Yes, I do. We need better communications with the submarines, multiple ground bases for satellite data transfer, duplication of certain warning and reconnaissance satellites, and quite a few other details. We must make it plain to everyone that a second strike is a genuine option."

Q: Do you think the freeze is an important issue in this year's election?

Marx: "Yes, it is. In the Frank-Heckler contest, the freeze is a very important issue. It also is important for the races in [Massachusetts'] 6th and 12th districts as well as the Senate race in Maine."

Q: Why did so many faculty members suddenly decide to support nuclear disarmament?

Bernstein: "What I think happened is that the supporters for nuclear disarmament are becoming more vocal. People are joining it more. People are reacting as humans and citizens in trying to curtail the spread."

Q: How many members does your Faculty Disarmament Study Group have?

Bernstein: "About fifteen people come to the seminars we hold — faculty, staff, and a few outsiders. Around 25 faculty members have shown interest, maybe more."



Tech photo by Laurie Goldman

In the Frank-Heckler contest, the freeze is a very important issue. It also is important for the races in [Massachusetts'] 6th and 12th districts as well as the Senate race in Maine.

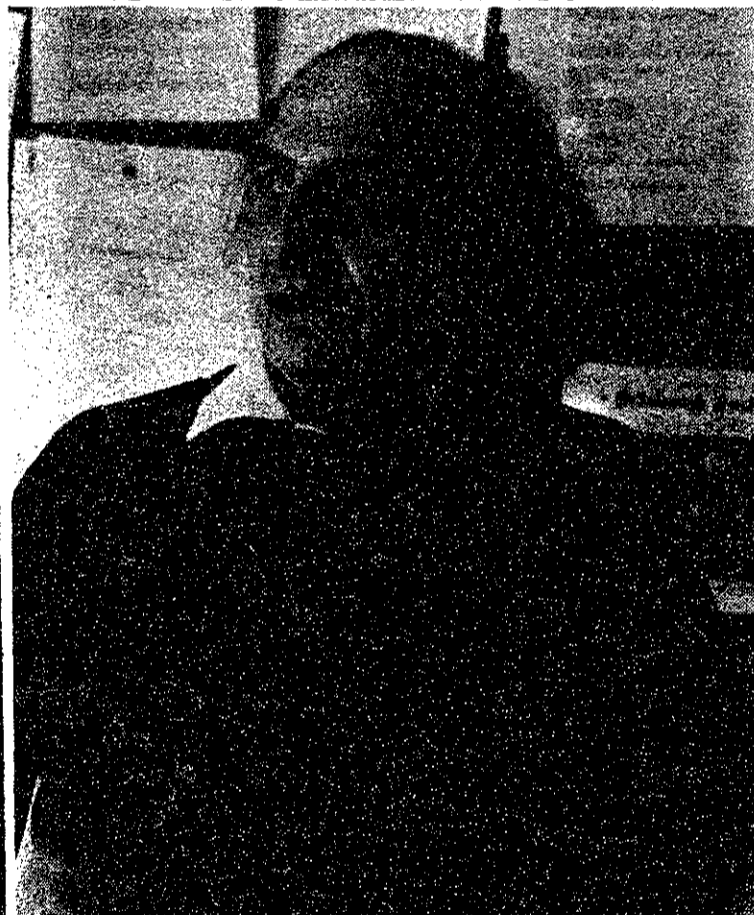
— Leo Marx

Q: How many people are in the MIT Disarmament Study Group?

Gavrin: "At a typical meeting we have between 15 and 25 people. However, we have a list of 50 and 100 people, although I'd say it's closer to 100, that we can call on."

Q: What type of freeze activities is the MIT Disarmament Study Group planning?

Gavrin: "No one will be working at the polls on November 2, but we will be distributing leaflets and posters on the freeze. Several of our members are interested in working for the various Congressional and Senate races. Finally, we are doing the logistics, like getting donuts, poster, *et cetera*, for the November 11 rally for the freeze."



Tech photo by Winston I. Smith

The whole issue of verification is a red herring. The idea that they can cheat significantly is ridiculous.

— Bernard T. Feld

plunging in nuclear stockpiles. It seems to me the idea of a freeze is an obvious one."

Morrison: "The arms race must be brought to an end or national security will be lost, and this seems like a good time to do it."

Q: What do you think of President Reagan's view that if we freeze weapons at current levels, the US will remain permanently behind the USSR?

Rathjens: "He is just wrong. Both the US and the USSR have so many weapons it's obscene. There is no significant difference between what we have. I don't think that all those figures on warheads and delivery systems are useful."

Feld: "Frankly I think it's stupid. The Russians don't have a lead. The Russians are ahead in some things and we are ahead in others. The US and the USSR are in a standoff in terms of absolute effect — devastating retaliations that could kill 50 to 100 million people. Either President Reagan doesn't know what he is talking about, or he isn't leveling with us."

I think we should spend some money on C³-I to make sure we don't use the weapons by accident. As long as we have weapons, we should maintain control of them. My worry is that some people would feel with C³-I, we could have use of them with limited objectives — without escalation occurring. I worry about the people who believe after spending a few billion, we can have a limited nuclear war.

— George W. Rathjens

Shut up'n buy the record

Shut Up'n Play Yer Guitar, Frank Zappa on Barking Pumpkin/CBS Import Records.

Diehard fans have lamented since Frank Zappa left his brain at the bank back in 1971, yet they remain fans, buying each new release for the few-and-far-between moments of wit and instrumental imagination. Many feel Zappa's excursions into scatology and sleaze are simply a way to bankroll more esoteric ventures like the last non-mainstream set (*Sleep Dirt, Studio Tan*, and the incredibly disappointing *Orchestral Favorites*), which was a showcase for FZ's big-band arrangements.

As the cream/crud ratio decreases with each succeeding release, the diehards hope for another revelation of the legendary (but increasingly hidden) virtuosity of their leader. Clamor no more — the legend has returned with a mixed blessing for the faithful.

Shut Up'n Play Your Guitar is a three-record set of Mr. Zappa's guitar solos, recorded both live and in the studio. The justification for this release is provided in the liner notes: "While the papers and magazines shouted the praises of every other fashionable guitar strangler and condemned Zappa for having the guts to sing lyrics they felt were disgusting, he quietly continued to play things on his instrument that were far more blasphemous than any words could convey. In the rush to be offended by what he said, the music press forgot to listen to what his guitar was talking about. Zappa's guitar solos, as captured on this album, say a lot of things that just might prove embarrassing to the writers who forgot to listen."

The only person likely to be embarrassed is Zappa himself. While this collection is miles above meretricious garbage like *You Are What You Is*, it won't place him in the ranks of "fashionable guitar stranglers" like John McLaughlin, Carlos Santana, or even his old sidekick Adrian



Below. For although he is an excellent technician, Zappa's brand of jazz-rock, which he pioneered in the early seventies, has worn thin.

The bulk of the solos are culled from a 1979 three-day concert appearance at the Odeon Hammersmith in London. The three title pieces ("Shut Up'n Play Yer Guitar," "Shut Up'n Play Yer Guitar

Some More," and "Return of The Son of Shut Up'n Play Yer Guitar") provide a glimpse of Zappa's solo abilities: each piece is based on the same chord figure, yet he manages to give each its own identity. "Gee, I Like Your Pants" should have been included as a tag to one of the three workouts, however, as it is obviously a closing tag to the improvisation.

This listing of related pieces as separate solos is the most irritating aspect of the record, since with a little work one can resequence the entire Odeon concert set and even make good guesses about the solos that fit around the solos. Zappa's usual format is to take an extended solo in the middle of a song ("Yo' Mama" and "Eat Me" are good examples), so some information about the songs from which solos were extracted would have been tremendously helpful.

While there is much to carp about, there is also much on this record to be enjoyed. The old Zappa wit shines through "Variations on the Carlos Santana See Chord Progression," a blistering improvisation based on the chords from Santana's "Oye Como Va." The requisite between-track obscene chatter is also included; often the remarks provide the track titles. A few of the tracks prove to be of great historical interest, especially "Canard Jour," a duet featuring FZ on bouzouki and Jean-Luc Ponty on electric violin, probably dates from the *Overnite Sensation* recording sessions. "Pink Napkins" probably the oldest melodic idea on the record, based on a chord vamp that Zappa isolated and rewrote as "Black Napkins" for *Zoot Allures*. In its current form it is a rarity, a subdued, almost mellow piece.

Taken in small doses, *Shut Up'n Play Yer Guitar* is a welcome change from Zappa's usual freakshow fare. When experienced in its entirety, however, it is a document of FZ's annoying tendency to eventually release everything he ever taped, with little regard for diversity of material. Given the choice between this and *Joe's Garage I* I would take this, but if the choice was between *Shut Up* and *Uncle Meat* I have to take the latter. Until then, we can always hope the next Zappa solo effort will be *Shut Up'n Write Songs The Way Used To*.

David Sha

The Tech Arts Section

Invariably, Evita's vital

A produc

Evita, now playing at the Shubert Theatre, Boston.

Who would have thought the illegitimate daughter of a poor farmer could gain the love of the Argentine people? The illegitimate daughter of the poor farmer, for one. What young Eva Duarte couldn't foresee, though, was the attention she'd draw thirty years after her death, thanks to Andrew Lloyd Webber and Tim Rice.

Mssrs. Webber and Rice, you may recall, write musicals. Very good musicals. Like *Joseph and the Amazing Technicolor Dreamcoat* and *Jesus Christ Superstar*. Seven years ago, the two got together and wrote a musical about that illegitimate daughter of that poor farmer. It's called *Evita*.

R. Michael Baker (Che) performs his part well. His voice is, indeed, stronger than that of the Broadway Che of last year. Robb Alton captures the part of Juan Peron with delicacy and understanding.

The company is energetic and talented. The men's dance numbers are especially exciting to watch.

The show's sets are suggestive without being obtrusive, and projected slides and film clips are used to great effect as Che guides us through the life of Eva Peron.

The real star of the show, however, is the score. Lyrics range from the emotional "Don't Cry for Me Argentina" to the amusing "Goodnight and Thank You". Rice puts recurring musical themes to artistic use.

Evita is, quite simply, a terrific show. Webber and Rice's New Argentina are not-so-surprisingly good for you.

Barry S. Surman

Evita is based on the life of Eva Peron and her rise to power in Argentina in the 1940's. Derin Altay fills the role of Eva wonderfully; her voice is indeed worthy of Webber and Rice's score. Altay, under the direction of Harold Prince, successfully presents the ambiguity of Eva as both hero and anti-hero.

Richard III, performed by the Shakespeare Ensemble.

See this performance. The Shakespeare Ensemble of MIT is living proof that the Boston area does have at least one group that can perform Shakespeare that way he intended.

Richard III belongs to the title character, and Richard Michalski '83 turns in a masterful performance as the Machiavelian murderer. He exudes sheer delight in manipulating everyone around him, and yet his control in line delivery and body movement bring realism to his utterly evil character. Michalski's performance leaves little doubt as to why *Richard III* remains one of the most popular of all of Shakespeare's plays.

While a few of his occasional pretenses of grief did seem a bit affected, Michalski's ability to emote was well demonstrated in

the seduction she brought a tear to his "sad story" of his with Anne is performed in all of and the Ensemble Barbara More's performance of an whose hatred turned into love. The acting was vivid Sarr '84 was Buckingham who throne only to very shortly thereafter is that it does not politically savvy would allow his presence, to be Margaret's war be betrayed by

Johnny Burma's certain fate



vs., *Mission of Burma on Ace of Hearts Records.*

I have a confession to make. Even though I think Mission of Burma makes the best music ever to come out of Boston I am extremely reluctant to review their new debut album. Emotions can't help but take over, either one is totally indifferent to their music, or one is intensely committed to it. I take on the task only under du-

ress, succumbing to the psychological pressure imposed on me by a former arts editor. "You should be ashamed if you don't review the Mission of Burma LP for this issue," he berates. I suspect he is so insistent only because he wants someone else's head (namely mine) to be on the chopping block.

No previous preparation short of a live Burma performance could ready me for

the impact of vs.. This is raw, powerful music full of rage; one of the few recent proclamations of punk's original values, performed with a punk's vengeance. The band successfully achieves the transition from the harsh white light of the stage to the calm persistence of vinyl, with little loss of energy.

The album opens with "Secrets," an older tune that is one of the highlights of a live Burma set, and most representative of their current sound. The song is propelled by guitarist Roger Miller's vicious, hacking rhythmic attack and Clint Conley's insistent bass, all backed by Peter Prescott's inventive drumming. Rather than signal a structure change with a drum roll, Prescott announces a switch with a sudden explosion from all the drums, seemingly at once. Also not to be ignored is the contribution of fourth member Martin Swope who manipulates the band's live sound from behind the mixing board. Swope's tape loops and variable-speed vocal effects.

It is after the first song that poor track sequencing takes its toll. A frenetic roarer like "Secrets" should not be followed by a slow, meditative tune like "Train" — the letdown should be gradual, not abrupt. Conley's brooding ruminations seem terribly out of place with the rest of this material, hardly what should be expected from the man who penned "Academy Fight Song" and "That's When I Reach for My Revolver." The band is capable of performing slow tunes, as attested by "Trem Two," a pensive, almost floating piece with beautiful split-octave harmony vocals.

Despite the presence of "New Nails" (an anti-organized religion statement) and the Prescott-penned "Learn How" (a message of hope — "Don't give up, learn how."), side one of this disc leaves the listener unsettled, as if torn between two conflicting moods. Side two saves every-

thing by kicking the proceedings into overdrive.

The side two opener, "Mica," is this album's "Academy" — hard-hitting, clear instrumentation and vocals should guarantee it hit status. "Weatherbox," another old standby, receives the definitive treatment, perfectly capturing Miller's sputtering feedback/tremolo guitar colorings. I won't pretend to understand "The Ballad of Johnny Burma" and how it could possibly pertain to the band's name, but it's still great to slam around to. A brief reprieve is provided by the slower "Einstein's Day" (great lyrics: "Time slides through the windows and slips behind the walls."), and then all hell breaks loose.

Hell in this case takes the form of "Fun World" and "That's How I Escaped My Certain Fate," probably the two strongest songs from Burma's recent repertoire. Both songs go a long way to reaffirm the band's stance as angry, committed punks with a message to deliver. While both tunes are commentaries of the "life sucks" variety, they also speak of ways to overcome the bastards and live on one's own terms. The contrast between "Fun World" 's heavy metal discoid shuffle and "Certain Fate" 's loud-fast-rules overdrive (complete with grossly distorted vocals) demonstrates the diversity of Burma's talents.

While it may not be the best vehicle for expanding the Burmas' audience, vs. succeeds as an accurate, long-overdue snapshot of an important band. Dedicated listening is required at times in order to overcome Rick Harte's lapses into "wall of murk" production, and sheer patience is required to quell the impatience with Clint Conley's extremely variable writing talents. Once these obstacles are overcome, however, vs. will prove to be that rarest of records — a no-holds-barred *raison d'être*.

David Shaw

worth a kingdom

Shakespeare's "homage" to classical Greek tragedies — they rant pretty much as expected. Mary Ellen Zurko gives an adequate performance in the tough role as the witch Margaret, and Amy Ritzenberg G presents a remarkably trivial and unqueen-like Queen Elizabeth, which may very well be what Shakespeare intended for this woman who advances her state quite rapidly by marrying the King Edward IV.

The Ensemble's production is full of well-staged scenes. Brian Rague '84 as Clarence gives an excellent recounting of his hellish dream before he is killed by two marvelously tragic-comic murderers. Michalski is startling when he thrusts his withered hand into the face of the soon-to-be-beheaded Hastings.

In an interesting dramatic twist, before the final battle at Bosworth Field, Shakespeare gives a dynamic speech to the loser,

Richard, and he gives a dull speech to the winner, Richmond. Michalski certainly delivers his speech forcefully, and Pat Byrne '85 as Richmond gives a bland speech more typical of a football pep-rally than a battlefield.

This second-longest of Shakespeare's plays was well cut by the director, Robert L. Lane, who certainly deserves a great deal of credit for the staging of this play. Larch Miller and Richard Itczak also deserve praise for the Ensemble's excellent costumes.

It is difficult to praise this production too much. Suffice it to say, that there is little indication from this performance that these are busy MIT students and not a professional acting company. The winter of your discontent will certainly be made glorious summer after seeing this production.

Joseph Romm

Anarchy in the U.S.

HEY KIDS!

Make us rich
AND WIN THESE PRIZES

NUCLEAR SUB

IBM 800 COMPUTER

HELL BENT ON INSANITY

Hellbent on Insanity, edited by Joey Green with Bruce Handy and Alan Corcoran; An Owl Book published by Holt, Rinehart, and Winston; \$9.95 paperback.

It's funny. Buy it. *Hellbent on Insanity* is a hilarious compendium of parody taken from the best of campus humor publications over the past decade. Princeton, Dartmouth, Stanford, Cornell, and yes, even MIT and RPI humor has been represented in this medley.

"Yes! Enroll me as a member of your Greeting Card Club. Send me FREE membership card, FREE boxes of greeting cards, and FREE billing invoice, and FREE threatening letters," reads the fine print on a coupon. "I smoke because I'm an asshole," claims the frowning fellow in an advertisement. An interview subject hands his interviewer a beer while telling him "There's a swig left for you, sir. The caption beneath explains, "Be thoughtful of your interviewer. Also, make certain that whatever you offer him is a respected brand name."

Insanity has sectioned the material into numerous categories, one satirizing children's media (e.g. Dr. Seuss, Highlights, and The Brady Bunch), another working

on advertising, and quite a few other topics — politics, the economy, sex, drugs, and bowling.

Don't expect too much philosophical babble here concerning the current state of university levity. The majority of the 226 pages is comprised of actual excerpts. The editors have "cleaned up the grammar, corrected the spelling, omitted the deadwood, plucked some of the metaphorical fuzzballs off [their] proverbial sweater, and carelessly left the four-letter words intact."

The selections are consistently funny, but some may be offensive to certain groups. The rich, the poor, homosexuals, Ted Kennedy, and boat people are all spoofed. If you're not included in any of those, don't worry — you'll find some portion of the book mocking. At least some of it is tasteful; the rest of it is still entertaining.

Hellbent on Insanity will make a good conversation piece for your room. Guaranteed: no fewer than five people will pick it up (on the first day, no less), lounge around your room, and proceed to keep you from studying. Thomas and Finney simply cannot do that for you.

Stuart Gitlow

Dukakis leads in polls

(Continued from page 1)

elected, Sears contended, aggravating the state's economic condition and unemployment rate.

Proposition 2½, the property tax limitation approved in 1980, will work only if the state devotes 40 percent of its growth tax revenue to local aid, Dukakis said. Sears contended that figure would represent a cutback from Governor King's local aid plans.

Sears said he stands "firmly behind restoration of capital punishment," and stressed Dukakis's opposition to the death penalty. Sears also said the state needs a new maximum-security prison.

Independent candidate Rich first gained notoriety with bumper stickers asking "Who the hell is Frank Rich?" Rich crashed a press conference after the Democratic primary at which King en-

dorsed Dukakis, and managed to get King to concede he was probably closer in philosophy to Rich than to Dukakis. Nevertheless, Rich has since been unable to generate much support or enthusiasm.

Rich's campaign style is quite blunt — he told students at a Southern Massachusetts University cafeteria he is opposed to abortion because "I've yet to meet anyone who wanted to be aborted."

Rich, a friend of King, supports limitations on state budgets and taxation. He is opposed to a nuclear freeze and in favor of capital punishment.

Dukakis unveiled a new economic plan for the state Monday. The plan is a summation of Du-

kakis's positions on a number of issues, including local aid, transportation, energy conservation, hazardous waste disposal, health care costs, and housing.

The plan also incorporates several King administration policies: It says the state's tax burden should be competitive with that of similar industrial states, supports the Bay State Skills Corporation created under King, and favors a new Microelectronic Center, jointly financed by the state and private funds.

Dukakis's plan will attempt to reduce health care costs, encourage energy conservation and development of alternative forms of energy, find a hazardous waste disposal method, and offer tax incentives to small business.

BOSTON PHILHARMONIC

Benjamin Zander, Conductor

performs

- A new work by John Harbison
Overture to Michael Kolhaas — Boston premiere
- Grieg Piano Concerto
Russell Sherman, pianist
- Symphony #5 by Dimitri Shostakovich

Friday, Nov. 5
8:00 pm
Jordan Hall
Tickets: \$9,\$6,\$3

Sunday, Nov. 7
4:00 pm
Sanders Theatre
\$6 General Admission
\$3 Students

For reservations
call 536-2412

Tickets available thru TCA,
Room 450, Student Center
and at the door. All seats
unreserved



The best way to guard against breast cancer is right in your hands. It's called breast self-examination. Ask your doctor to teach you how to do it. And while you're at it, ask him about mammography — a low dose breast x-ray.

For more information, call your local ACS office.

American Cancer Society



MONSIEUR ARCADE PRESENTS "HALLOWEEN III: SEASON OF THE WITCH" A JOHN CARPENTER/QUEBEC FILM PRODUCTION
TOM ARKINS SAGEE MELTON DAN CHERNOBYL... TOMMY LEE WALLACE DEBRA HILL... JOHN CARPENTER
DENVER THOMAS... JOSEPH WOLF GARRY BISHOP... DEAN CUNY... JOHN CARPENTER... ALAN HOWARTH

RESTRICTED
UNDER 17 REQUIRES ACCOMPANYING PARENT OR ADULT GUARDIAN

NOW PLAYING

BACK PI ALLEY 1-2 127 WASHINGTON ST BOSTON 227-6478	ACADEMY TWIN CINEMA NEW TOWN CENTRE 332-2524	BACK SOMERVILLE AT ASSEMBLY SQUARE 638-7000	SNOWCASE DEDHAM 326-4955 ROUTE 1 of 126
GENERAL CINEMA FRAMINGHAM 875 S SHOPPER WORLD 235-8020	SNOWCASE WOBURN 933-5330 RT 128 NEAR 93	SNOWCASE REVERE 286-1660 ROUTE C1860	BACK DANVERS 593-2100 EXIT 24 OFF RT 128

"EATING RAOUL" is One Of
The Freshest, Funniest
Comedies In Years...

Impudent, outrageous and murderously madcap like 'Arsenic and Old Lace!'

— Bruce Williamson, Playboy



"A Very Funny Comedy about sex and murder...full of smiles, punctuated by marvelously unseemly guffaws."

— Vincent Canby, New York Times



EATING
RAOUL

20th CENTURY-FOX INTERNATIONAL CLASSICS

in association with QUARTET FILMS, INCORPORATED presents
MARY WORONOV - PAUL BARTEL and introducing ROBERT BELTRAN in EATING RAOUL
also starring ED BEGLEY, JR. - BUCK HENRY - SUSAN SAIGER
Screenplay by RICHARD BLACKBURN and PAUL BARTEL
Original music by ARLON OBER Produced by ANNE KIMMEL
Directed by PAUL BARTEL

RESTRICTED
UNDER 17 REQUIRES ACCOMPANYING PARENT OR ADULT GUARDIAN

New England Premiere

Boston
NICKELODEON 1-2-3
600 Comm. Ave. 247-2160

2:35, 4:15, 6:00, 8:00, 10:00 Sat & Sun Mat 12:45

SPECIAL STUDENT DISCOUNTS

Friday, Oct. 29 — 11:00 am student performance — Only \$4

All other performances \$8 for students

Bring I.D. to Box Office (no phone charges accepted)

Peter Altman, Producing Director
Zelda Richauder, Artistic Advisor



3 WEEKS ONLY!

October 23–November 14

Night and Day

by Tom Stoppard

DIRECTED BY TOBY ROBERTSON



CHARGE BY PHONE:
617/266-3913

JUBILEE GROUP SALES: 617/482-3424

Performance Schedule: Opening Wed., at 7:30 p.m., Tues.–Sat. eves. at 8 p.m., Sun. eve. at 7 p.m. (except Nov. 7 & 14), Wed., Sat., Sun., Mat. at 2 p.m. (except Oct. 27 & 30). Ticket Prices: \$10–\$17 (depending on performance day and time). Preview Prices: (Oct. 23, 24, 26 only) \$7.50 and \$9.

Boston University Theatre,
264 Huntington Avenue,
Boston, MA 02115

Subscriptions Still Available:
Call 617/266-3996

STUDENTS LIVING IN BACK BAY:

FIGHT THE \$75 STUDENT TAX!

The Back Bay/Beacon Hill representative in the state legislature wants to impose a \$75 tax on all students for "the privilege of attending institutions of higher education" (House 5137). This tax would fall on anyone earning credit toward a degree beyond high school, even if you're not a Massachusetts resident.

We can fight the \$75 Tax
by electing Gil Kaplan State Representative
VOTE FOR GIL KAPLAN ON NOVEMBER 2

Paid for by The Committee to Elect Gilbert Kaplan, Charles Ames, treasurer.

Shamie, Kennedy debate

(Continued from page 1)
 es: one has seven. Defense Secretary Weinberger would like to give them 20 matches. It's time to say "enough is enough."
 "I'm for a full-time Senator," Shamie concluded, "not a part-time one. I'm for holding the line on taxes, not increasing taxes on working men and women. I'm for quality education, not forced

busing of kids to school, and I'm for real jobs, not government make-work jobs."

"People create jobs," he said. "Government does not create jobs."

"When the economy is wrong, nothing else is right," Kennedy quoted his late brother, President John F. Kennedy. Since Reagan

took office, he said, 70,000 Massachusetts residents have lost their jobs.

"This Administration talks about patience. Patience isn't going to put food on the table for Massachusetts. Patience isn't going to pay for clothing, for young people to go to school," Kennedy said. "Patience isn't going to pay the utilities."

Physical Plant cut

(Continued from page 1)
 and says 'it's too hot' or 'it's too cold,'" he continued, "we may not be able to respond."

"A lot of ways we have done business... are going to have to change," Barrett commented. For example, Physical Plant no longer cleans all classroom chalkboards nightly, he said.

New MIT buildings, such as the Arts and Media Technology Center under construction, will place additional maintenance burdens on Physical Plant, Barrett noted.

The department is seriously considering ending support for MIT's Student Center bowling alleys, currently operated at a deficit, he added. Physical Plant might allow some other group to run them, Barrett noted.

McNamara challenges

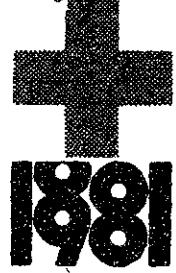
(Continued from page 1)
 red. "What's he afraid of? ... does he think he owns the seat?" McNamara also denied he is sponsored by Southeastern oil lionaires. "Less than five percent of my money comes from so-called Texas oil interests, none from big oil," he said. "It comes from lots of little people all across the United States and across the district."

His campaign has centered on slogan "Get the fat out of government," referring both to Federal budget and his opponent's girth. McNamara declared will fight both crime and ex-government budgets. He supports capital punishment and has a need to promote the public conviction that crime is bad."

McNamara won the Republican nomination by only one hundred votes over perennial opponent William Barnier after spending half a million dollars, and his chances for O'Neill seem remote. He has many new, young voters registering as Republicans. Massachusetts has fallen in the rear.

Ready to help WWI, WW II, Korea, Vietnam vets.

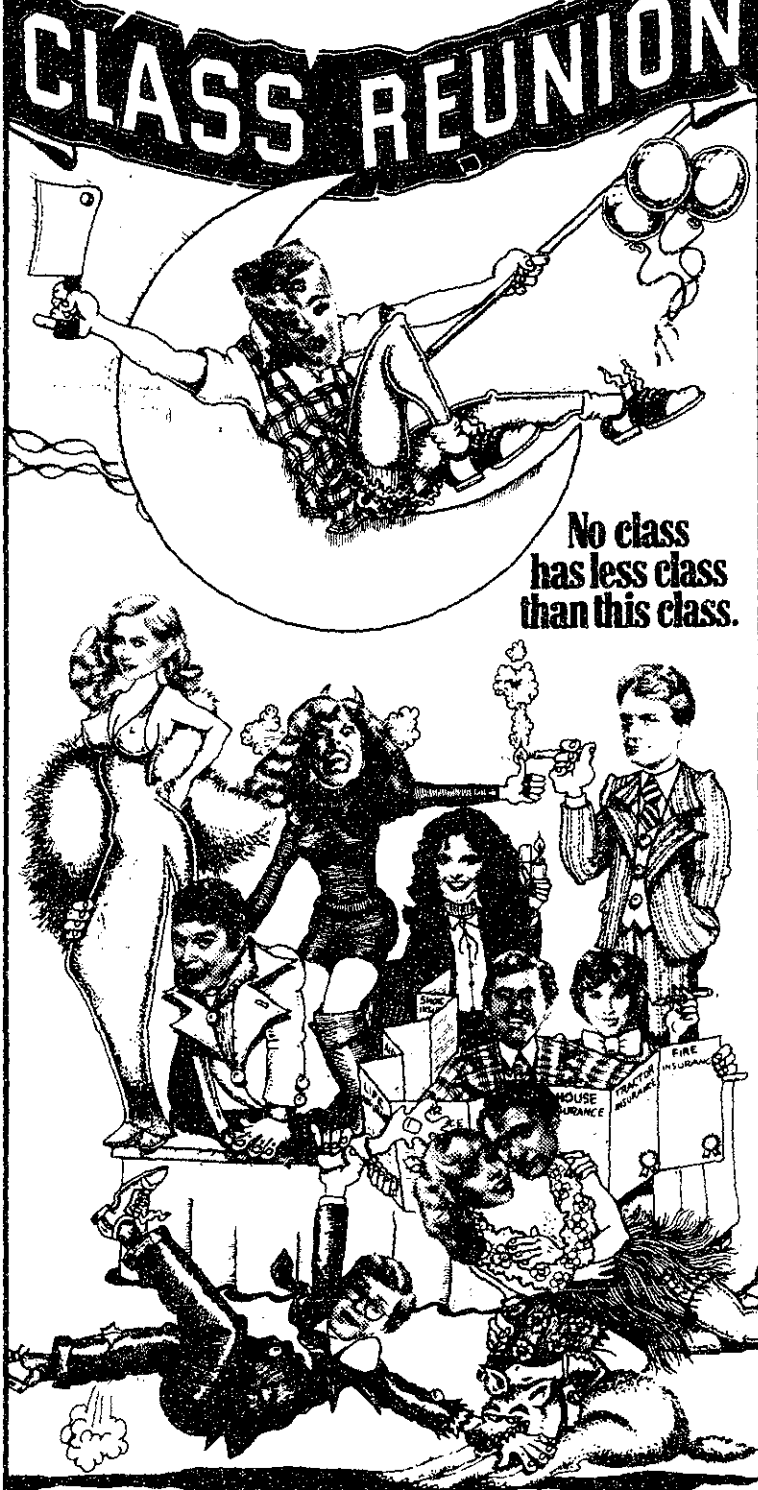
Red Cross: Ready for a new century.



A Public Service of This Newspaper & The Advertising Council

From the people who brought you "Animal House."

NATIONAL LAMPOON'S.



No class has less class than this class.

ABC MOTION PICTURES presents NATIONAL LAMPOON'S CLASS REUNION

Starring GERRIT GRAHAM • FRED MCCARREN
 MIRIAM FLYNN • STEPHEN FURST
 SHELLEY SMITH • ZANE BUZZY

and MICHAEL LERNER Special appearance by CHUCK BERRY
 Written by JOHN HUGHES Produced by MATTY SIMMONS
 Directed by MICHAEL MILLER

ABC MOTION PICTURES READ THE DELL PAPERBACK DOLBY STEREO

NATIONAL LAMPOON'S IS A REGISTERED TRADEMARK OF NATIONAL LAMPOON'S INC. © 1982 NATIONAL LAMPOON'S INC.

RESTRICTED UNDER 17 REQUIRES ACCOMPANYING PARENT OR ADULT GUARDIAN

Starts Friday, October 29

- | | | | |
|-------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------|
| SACK
PARIS
BOYLSTON ST - BOSTON
OPP. PULLY CTR. 267-8181 | GENERAL CINEMA
CHESTNUT HILL
RTE. 9 @ HAMMOND ST.
277-2500 | SACK CINEMA
NATICK
237-1840 ROUTE 9
OPP. SHOPPER'S WLD. | SACK
SOMERVILLE
AT ASSEMBLY SQUARE
628-7000 |
| GENERAL CINEMA
PEABODY
NO. SHORE SHOP CTR.
599-1310 | SHOWCASE
REVERE
284-1660
ROUTE CT&80 | GENERAL CINEMA
BURLINGTON MALL
ROUTE 128 EXIT 42
272-6410 | SHOWCASE
DEDHAM
326-4955
ROUTE 1 of 128 |

SALES

EARN MONEY
flexible hours at
our Harvard Coop
locations
high commissions

ENCYCLOPAEDIA
BRITANNICA



CALL MR. CONNORS
492-1000 — EXT. 465
HARVARD SQ. STORE

Computer Science & Electrical Engineering Majors ...

ROLM, with locations in the San Francisco Bay Area and Austin, Texas, seeks talented individuals interested in:

SOFTWARE

- Real-Time Computing
- Distributed Systems
- Operating Systems
- Data Base Management Systems
- Data Communications
- Diagnostics
- Electronic Mail
- Software Tools: Compilers, Debuggers, etc.
- Test Engineering
- Support Engineering

HARDWARE

- Data Communications
- Digital and Analog Design
- Microprocessor Applications
- Telephony
- Office Systems
- Production Engineering
- Test Engineering
- Field Operations Engineering

ROLM Corporation, founded in 1969, has experienced a growth rate exceeding 70% a year and currently has more than 5200 employees. ROLM is the leading independent supplier of computer controlled voice and data business communications systems and has been a pioneer in developing computers which operate successfully in severe environments.

Included in ROLM's outstanding benefits package are:

- Highly competitive base salaries.
- Profit sharing and stock purchase plans.
- Comprehensive health, dental and life insurance programs.
- Three month paid sabbatical after six years.
- Tuition reimbursement for graduate study at leading universities.
- A recreation center unsurpassed in its facilities and available programs.

On Campus Interviews

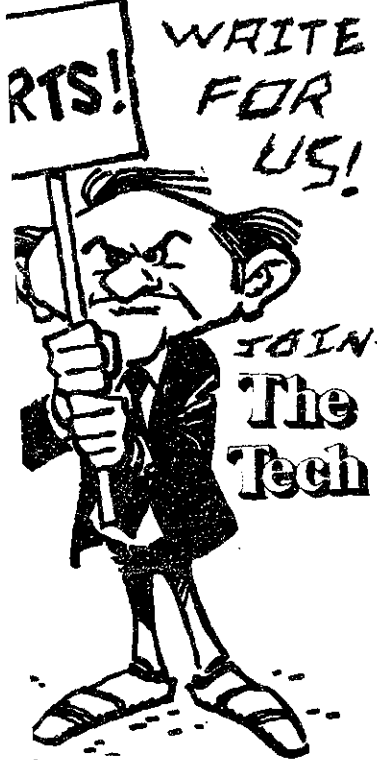
Tuesday, Nov., 2, Wednesday, Nov., 3

Meet with our software and hardware engineers from ROLM in the Placement Center. See our Company literature in the Placement Center.

If unable to attend an interview, send resume to:
 Tim Dorman, Corporate Employment Manager, ROLM Corporation, 4900 Old Ironsides Drive, M/S 105, Santa Clara, CA 95050. We are an equal opportunity/affirmative action employer.

ROLM

CORPORATION





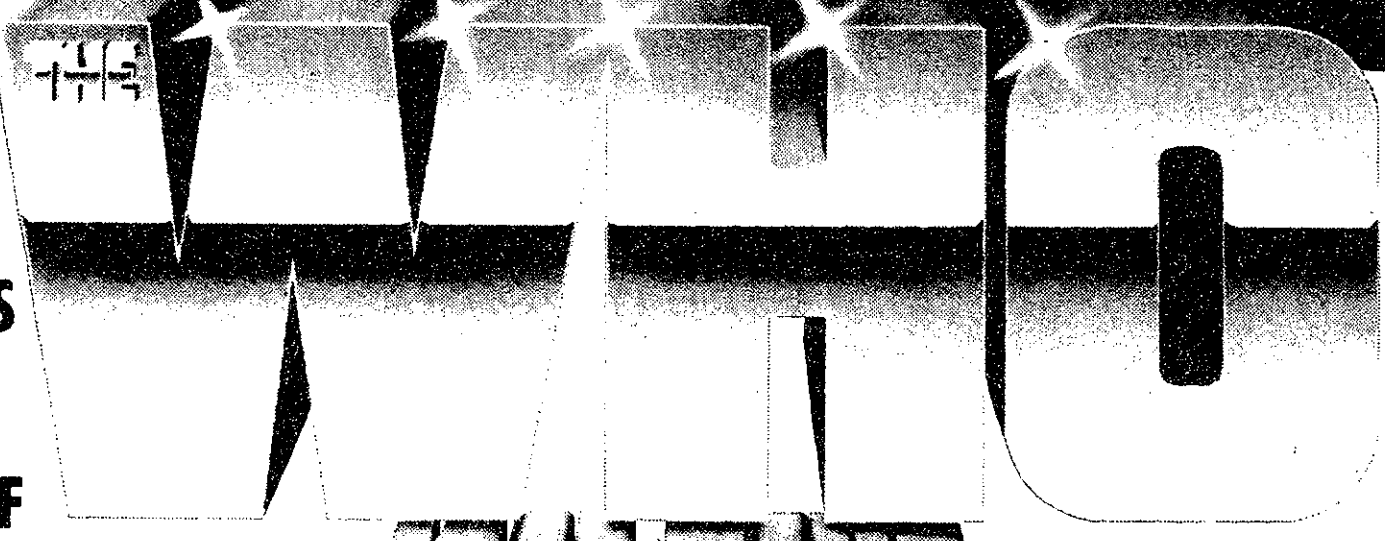
THE WHO 1982 TOUR SWEEPSTAKES.

TWO GRAND PRIZE WINNERS WILL BE SCHLITZ'S GUESTS IN TORONTO FOR THE LAST PERFORMANCE OF THE WHO'S 1982 NORTH AMERICAN TOUR.

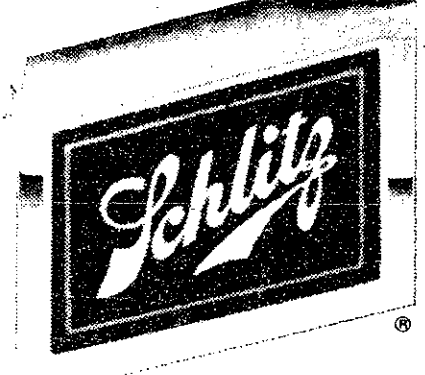
This may be your last chance to see in person one of the world's great rock legends. Be there.

Schlitz will send 2 winning couples (winner plus a friend) to Toronto. You'll receive airfare, hotel accommodations in Toronto for 2 nights, tickets to THE WHO concert, dinner both nights in superb Toronto restaurants, a souvenir album, limousine service to and from the concert and spending money.

- "THE WHO" 1982 TOUR SWEEPSTAKES OFFICIAL RULES, NO PURCHASE NECESSARY**
1. To enter, hand print your name and address on the official entry form or on a 3" x 5" piece of paper and mail to: THE WHO 1982 Tour Sweepstakes, P.O. Box 4290, Libertyville, Illinois 60048. ENTRIES MUST BE RECEIVED BY NOVEMBER 30, 1982.
 2. No purchase required. Enter as often as you wish, but each entry must be mailed separately.
 3. Winners will be selected in a random drawing conducted by H. Olsen & Co., an independent judging organization, whose decisions will be final. Grand prize winners will be notified by December 10th, all others will be notified by January 31, 1983. All 552 prizes, worth approximately \$16,000.00, will be awarded. Limit one (1) prize per household. Odds of winning determined by the number of qualified entries received.
 4. Sweepstakes limited to residents of the USA, except employees and their immediate families of Stroh Brewery Co., its affiliated companies, advertising and promotional agencies, and H. Olsen & Co., other suppliers, and wholesale and retail alcoholic beverage licensees and their families. Sweepstakes void where prohibited or restricted by law. Entrants must be of legal drinking age in their state of residence at time of entry. Any taxes are the sole responsibility of the prize winners.
 5. All entries become the property of the Stroh Brewery Co., and none will be returned. Winners will be notified by mail. No substitution of prizes. Taxes on prizes are the responsibility of the winners.
 6. The geographic area covered by THE WHO 1982 Tour Sweepstakes is nationwide with approximately 5,000 retail outlets participating. For a list of Grand and First Prize winners available after January 31, 1983, send a separate, self-addressed stamped envelope to: "THE WHO" 1982 TOUR SWEEPSTAKES WINNERS LIST, P.O. Box 4290, Libertyville, Illinois 60048.



1982 TOUR



- 50 First Prize Winners receive a Koss Music Box personal portable cassette player with a cassette of "It's Hard," THE WHO's latest release.

- 500 Second Prize Winners receive THE WHO's latest album, "It's Hard," plus a Schlitz/WHO tour T-shirt.

Schlitz is back with the taste that's rocking America. Try the clean refreshing taste of Schlitz... or pour yourself the new Schlitz Light, brewed light to stay light all night long.

THE WHO 1982 TOUR SWEEPSTAKES
Box 4290
Libertyville, IL 60048

Name _____
(please print)

Address _____

City _____ State _____

Zip _____ Phone No. _____

ENTRIES MUST BE RECEIVED BY NOVEMBER 30th, 1982
 TO BE ELIGIBLE.

743

©1982 JOS SCHLITZ BREWING COMPANY, MILWAUKEE, WI

notes

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 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.

Announcements

Seniors who wish to apply for graduate study in the Department of Electrical Engineering and Computer Science during 1983 are urged to apply by November 1. Applications can be found in rooms 38-444 and 3-103.

Students interested in applying to be R/O '83 Coordinator should attend a brief informational meeting Thursday, November 4, at 5pm in the UASO, room 7-103. If you're interested in the position but cannot attend this meeting, see Peggy Richardson in room 7-103.

The Everett Moore Baker Memorial Foundation will hold interviews to fill a vacancy on its governing board on Sunday, November 7, at 12noon, in room 400 of the Student Center. All MIT students — undergraduate and graduate — are eligible for the position. The Foundation, created in 1950 by the students of MIT, works to advance the goals of the late Dean Baker: The consideration of human beings as individuals, a broad educational policy, dynamic extracurricular program, and congenial physical and intellectual environment at MIT, and international understanding. For more information, contact Keith Ashelin (x3-7898), Michael Lopez (267-5579), Barry Surman (x5-6675), or Susanne von Rosenberg (x5-8319).

Lectures

Arthur Hirsh will speak for Black Rose tonight at 8:00pm in room 9-150. Hirsh's talk, entitled "The Crisis of Radical School Theory," will examine the work of Castoriadis, Gorz and other contemporary French theorists in their efforts to confront the cul-de-sac of current radical social theory. Hirsh teaches social science at Boston University. His book, *The French New Left: An Intellectual History from Sartre to Gorz*, was published by South End Press.

The Boston University Center for Archaeological Studies will sponsor a walking tour of early Boston, Saturday, October 30 from 10am to noon. Open to the public, the tour begins at Faneuil Hall at the statue of Samuel Adams. A \$5 fee (\$4 for students) is payable on the day of the tour but reservations must be received by noon today. Rain date is Sunday. For more information, contact Cooper Wamsley or Tamara Mosser at 353-3416.

Massage is the subject of a weekend conference at Another Place Conference Center November 5-6. Workshops will include a variety of massage techniques and body work. For information, call and write: Another Place, Greenfield, NH 03048, (603) 878-9883.

Off-Campus

The American Friends Service Committee's Disarmament/Peace Conversion and Human Rights/Draft program will benefit from a fundraising Peace Feast tonight from 5-9pm at the First Parish Church, Zero Church St., Harvard Square, Cambridge. Donation is \$5 for adults and \$3 for children and includes dinner, entertainment, and children's activities. Tickets are available through AFSC (661-6130) or at Cambridge Natural Foods, 1670 Mass Ave.

Celebrate Halloween with the Holiday Project. Its first annual Fund-Raising Ball is Sunday, October 31, from 7:30 to 11:30 pm at the Parker House Rooftop Ballroom, on Tremont and School Sts., Boston. A live band, cash bar, food, kissing and fortune-telling booths, and prizes for the best costumes are featured attractions. A \$5.00 donation is requested. For ticket information call 498-9876. The money raised allows the Holiday Project to fund its activities of celebrating

the holidays with people who would otherwise be alone.

Students interested in volunteering to tutor public school students should contact School Volunteers for Boston at 267-2626 or 451-6145.

Applications are now being accepted from all over the Bay State for the annual **Miss Massachusetts-USA Pageant** to be held in early March. The pageant is the official preliminary to the Miss USA-Miss Universe Contest. There is no "talent" requirement. All judging is on the basis of poise, personality, and beauty of face and figure. Applicants must be between 18 and 25 years of age on May 1, 1983, never married, and at least a six-month resident of the Commonwealth; thus, college students may be eligible. Deadline for applications is November 20; write to Miss Massachusetts-USA Pageant Headquarters, 480 Boylston Street, 2nd Floor, Boston, MA 02116, for information. Letters must include a recent snapshot, a brief biography, and a telephone number.

ANALYSTS & PROGRAMMERS

GROW WITH NUMBER 1

The Small Business Administration in Washington, D.C. has selected ACSI as the winner of the National Small Business Prime Contractor of the Year award for 1982. We are pleased to receive this honor and we invite you to join our staff and grow with us.

- OPPORTUNITIES FOR RAPID ADVANCEMENT
- OPPORTUNITIES FOR FOREIGN TRAVEL
- PROMOTIONS BASED ON MERIT, NOT TIME
- ALL MANAGERS ARE SOFTWARE ANALYSTS
- PERFORMANCE BONUSES AND PROFIT SHARING PLAN

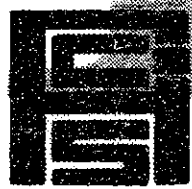
Positions are available for individuals with the following experience:

Machine Language Software; Real Time Mini-computer Programming; Diagnostic Software; Simulation, Modeling, Math Systems Analysis; Graphic Displays, Data Base Management; Software Systems Engineering; Communications Software; Field Service Hardware/Software Maintenance.

In addition, we need people with 2 or more years of experience in: Microprocessor Firmware/Software Development including Specifications, Design, Code, Test and Integration.

Positions offer excellent salaries and benefits including full tuition payment plan.

Please send resume and cover letter indicating specific experience in above listed areas to Connie Domey:



ACSI
Analysis & Computer Systems, Inc.
54 Middlesex Turnpike
Bedford, MA 01730

ACSI is an Equal Opportunity, M/F Employer

SCIENCE COUNCIL PRIZE

for EXCELLENCE IN UNDERGRADUATE TEACHING

Members of the MIT Community are invited to submit suggestions for a recipient of the 1982-1983 Science Council Prize for Excellence in Teaching of Undergraduates. Any member of the faculty in the School of Science can be a candidate. It is requested that nominations be transmitted by December 1, 1982 to any of the members of the nominating committee for the prize.

- Professor Maurice Fox (56-731)
- Professor Anthony French (6-109)
- Professor James L. Kinsey (6-215)
- Professor Alar Toomre (2-371)

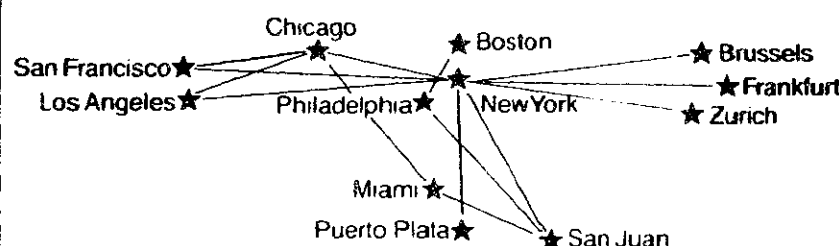


Capitol's low fares "What a break!"

Wherever we fly, we have the lowest unrestricted fares. That means no advance purchase, no minimum stay. We're always glad to see you, even at the last minute. Make up your mind today — and by tomorrow, you're on your way!

For reservations and information, call your Travel Agent or Capitol Air at 212-883-0750 in New York City, 312-347-0230 in Chicago, 213-986-8445 in Los Angeles, 415-956-8111 in San Francisco or 305-372-8000 in Miami. Outside these areas, please call 800-227-4865 (8-0-0-C-A-P-I-T-O-L).

SERVING THE PUBLIC FOR 36 YEARS



CAPELLI By NORMAN

261 Newbury Street, Boston 02116

INTRODUCTORY OFFER

for MIT Students

JUST

\$10⁰⁰

FOR A SHAMPOO, CUT & STYLE

Walk in or call for an appointment

262-4160

Offer Expires December 18

You Are Invited To Meet Mike Maguire...

Michael F. Maguire is a Senior Vice President of Harris Corporation and Sector Executive of the Semiconductor Sector, one of the five major business sectors of the company. Harris Semiconductor ranks among the world's top ten manufacturers of integrated circuits, with plants in Florida, California, and Malaysia, as well as a joint venture in France.

Mike received his BSEE degree from Rensselaer Polytechnic Institute and his MSEE from University of Connecticut. He has held various senior management and executive positions during his career at Harris, including Group Executive of the Government Systems Sector, prior to taking charge of the Semiconductor operation.

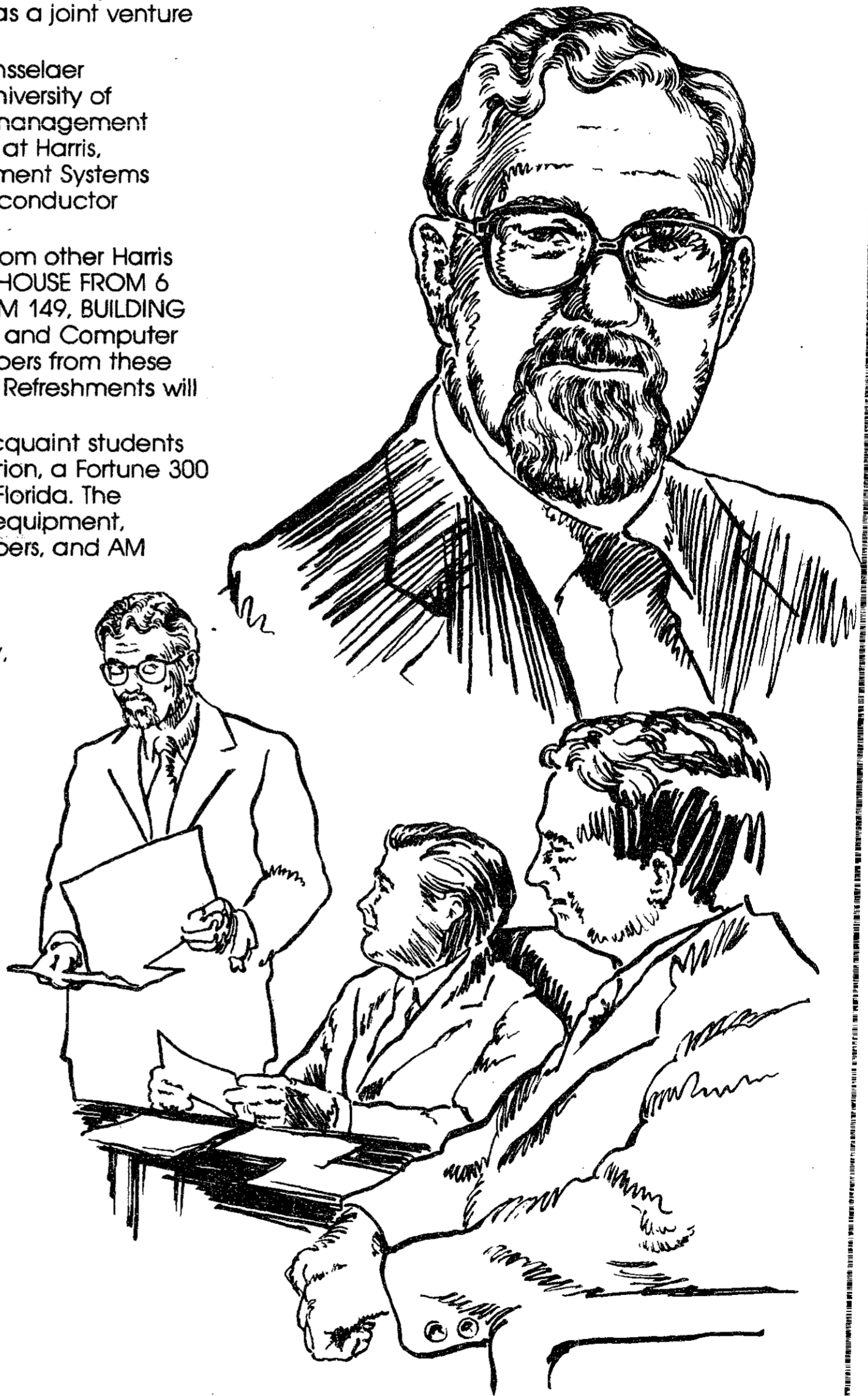
Mr. Maguire, together with executives from other Harris business sectors, will host a HARRIS OPEN HOUSE FROM 6 TO 8:00 PM, MONDAY, NOVEMBER 1, ROOM 149, BUILDING 4. Electrical and Mechanical Engineering and Computer Science students, as well as faculty members from these disciplines are cordially invited to attend. Refreshments will be served.

The purpose of the Open House is to acquaint students and faculty members with Harris Corporation, a Fortune 300 Company headquartered in Melbourne, Florida. The nation's largest manufacturer of printing equipment, electronic editing equipment for newspapers, and AM and FM broadcasting transmitters, Harris employs 26,000 people at 40 worldwide locations. A leader in the research and development of phased array technology, Harris is also the nation's sixth largest telecommunications equipment firm.

In conjunction with the Open House, engineers and technical managers representing various divisions of the five business sectors of Harris (Semiconductor, Government Systems, Communications, Information Systems and Printing Equipment) will be on campus November 2 and 3 to conduct interviews. Check for location at the Campus Placement Center.

OPEN HOUSE
Monday, November 1
Bldg. 4, Rm 149
6 - 8 P.M.

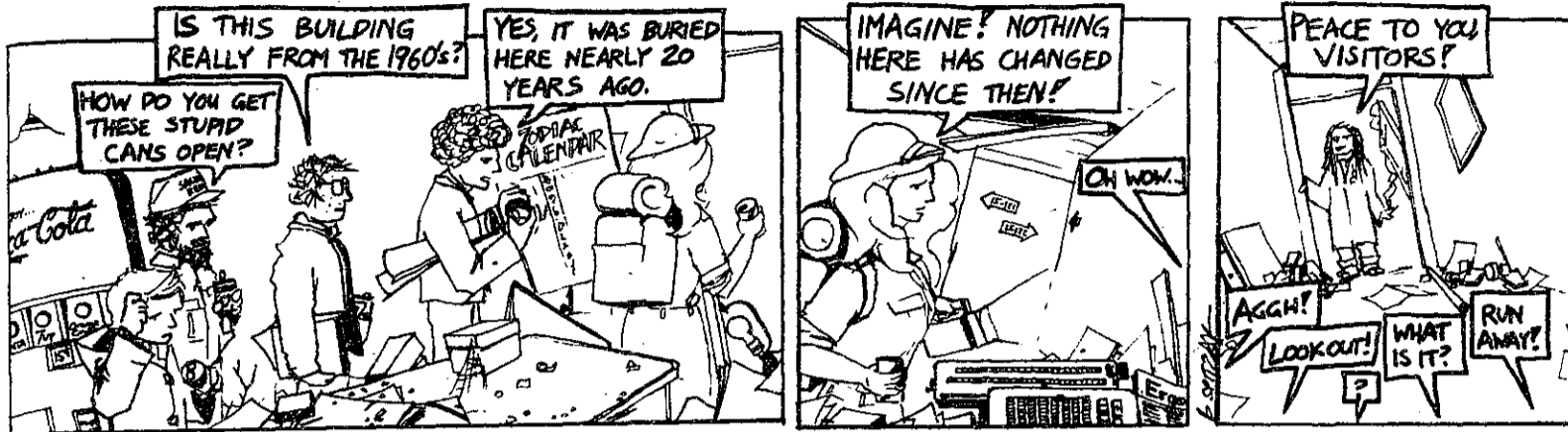
ON CAMPUS INTERVIEWS
Tuesday, November 2
Wednesday, November 3



 **HARRIS**

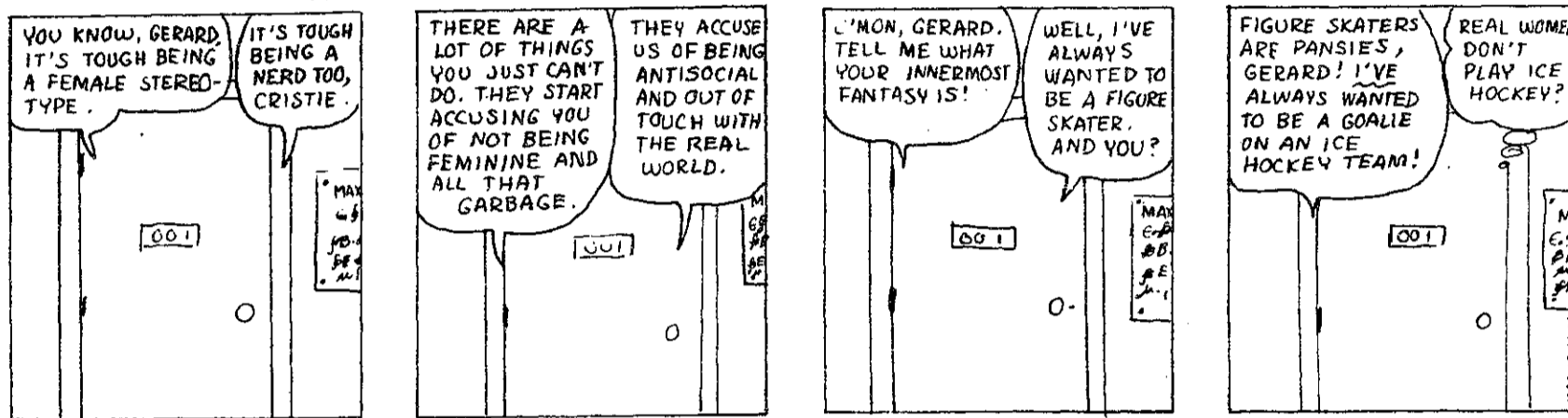
comics

Outside Looking In
By V. Michael Bove



Space Epic
By Bill Spitzak

Room 001
By Carol Yao



classified advertising

ASTHMA — Well-Paid Volunteers to Participate in Trial of New Medicine at Harvard Affiliated Hospital. Total Time Commitment of 25 hours over 8 weeks. For info call (617) 323-7700, x5123.

BALLOT COUNTERS
For Tuesday November 2nd Election. Must be registered to vote in Cambridge and available from 8:00 PM November 2nd til count is complete. \$14. Call 876-6784. Keep trying.

Sales/Marketing Campus Rep position open for enterprising student. Will be working on promotions and sales of our products. Part time, flexible hours, many benefits. Great opportunity. If interested call Lori Schloger 323-0500.

PETER GABRIEL TICKETS WANTED
One or more, for Orpheum show Nov. 12. Call Rich dl-7232

NEED CREDIT?
Information on receiving Visa, MasterCard, with no credit check. Other cards available. Free brochure call Personal Credit Service: (602) 946-6203 ext. 6533.

Surplus jeeps, cars and trucks available. Many sell for under \$200. Call 312-742-1143 Ext. 5890 for information on how to purchase.

You can save money on your typing needs by using Word Processing. Resumes, Reports, Theses, Manuscripts. Word Power 646-4114.

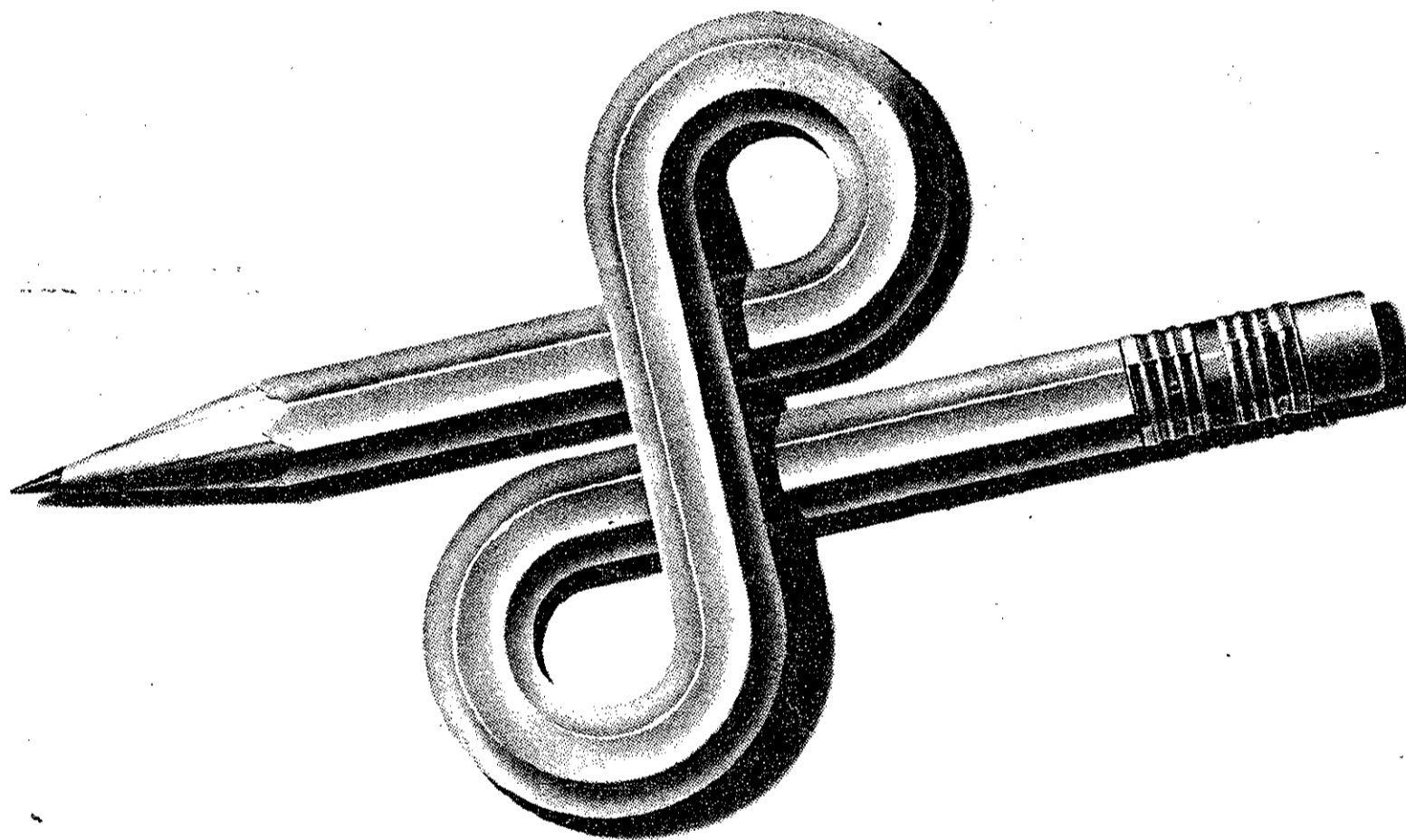
Free lance typing
Dissertation, term papers, raunchy novels, etc. Typing on IBM Selectric II (self-correcting) and on quality rag paper. Door to door service and Special Rush, over-night service. Call David, 595-436.

HOME COMPUTER DISTRIBUTORS WANTED
Earn money now — p/t or f/t. Start your computer career. No franchise fee or inventory required. Free training. Details — send your phone number, etc. & \$4.95 to Logical Choices, Box 193, Brookline, MA 02146.

BUCKMINSTER FULLER MAPS, PUBLICATIONS, GIFT ITEMS.
Write or phone for color catalog: Buckminster Fuller Institute, Dept. MIT, 3501 Market St., Philadelphia, PA 19104 or call (215) 387-5400.

VAIL: Rent new luxury two level condo, four bedroom, four baths, sleeps comfortably, whirlpool bath, steam shower, cable TV, Vail Racquet Club use. Free bus to lifts and shopping. Brochure on request. Denver contact Martin 303-893-2001 days or 832-1113 nights. New Jersey contact Gert 201-664-2055.

WANTED: People to fill spaces like this. No experience necessary. Be the first on your floor to say, "And this is my Tech." Come by for pizza Sunday nights to our offices: Room 483 in the fabulous Student Center.



We're looking for people who don't think straight.

If you've always looked for what's around the corner rather than what is straight ahead, consider a career with Linkabit.

Linkabit didn't get to where it is today by way of tunnel vision. We're a leader in the design, development and manufacture of satellite and terrestrial communications equipment, specializing in local communication networks, encryption, forward error correction and high speed modulation. Our people are very creative, free thinking individuals who look beyond obvious solutions to find advanced, innovative ways to meet the demanding needs of this industry.

To help keep new ideas flowing, we've made sure that all career paths are flexible. Our engineers, for instance, are assigned to projects depending on their interests and abilities. As one assignment is completed, new opportunities are made available in a variety of areas.

Because our projects are very diverse and complex, we utilize the most advanced equipment available. And our staff is comprised of

professionals with a wide range of expertise.

Our company is expanding rapidly, and we're constantly looking for talented people interested in communications systems, digital hardware or software engineering. We have positions available in San Diego, Boston and Washington, D.C.

**ON CAMPUS INTERVIEWS:
FRIDAY, NOVEMBER 5.**

Please contact your College Placement Officer to arrange an interview appointment. If you are unable to meet with our representatives, please forward your resume to: Dennis Vincent, M/A-COM LINKABIT, 3033 Science Park Road, San Diego, CA 92121.



M/A-COM LINKABIT, INC.
Equal Opportunity/
Affirmative Action Employer

sports

What to do this weekend

Think you might be a little bored this Saturday? Why not catch the last big outdoor sports weekend of the fall? At eleven o'clock you can go out to Steinbrenner Stadium and see the men's soccer team close out its regular season with a game against the Coast Guard Academy. During halftime you can walk over to the nearby pitch on Brigg's field and watch MIT take on UMass-Amherst.

While you are out, why not stay for the football game on Steinbrenner after the soccer game. The Engineers are hosting the University of Hartford

Hawks at 2pm. This will be the last home game of the season for the club.

If you are an early bird, the men's sailing team will be out on the river at 9:30 both Saturday and Sunday, competing in the Schell Trophy. Or, take a walk up

to Harvard either day and watch the water polo squad make itself felt at the Ivy League Championships. The Engineers are ranked third in New England behind Harvard and Brown.

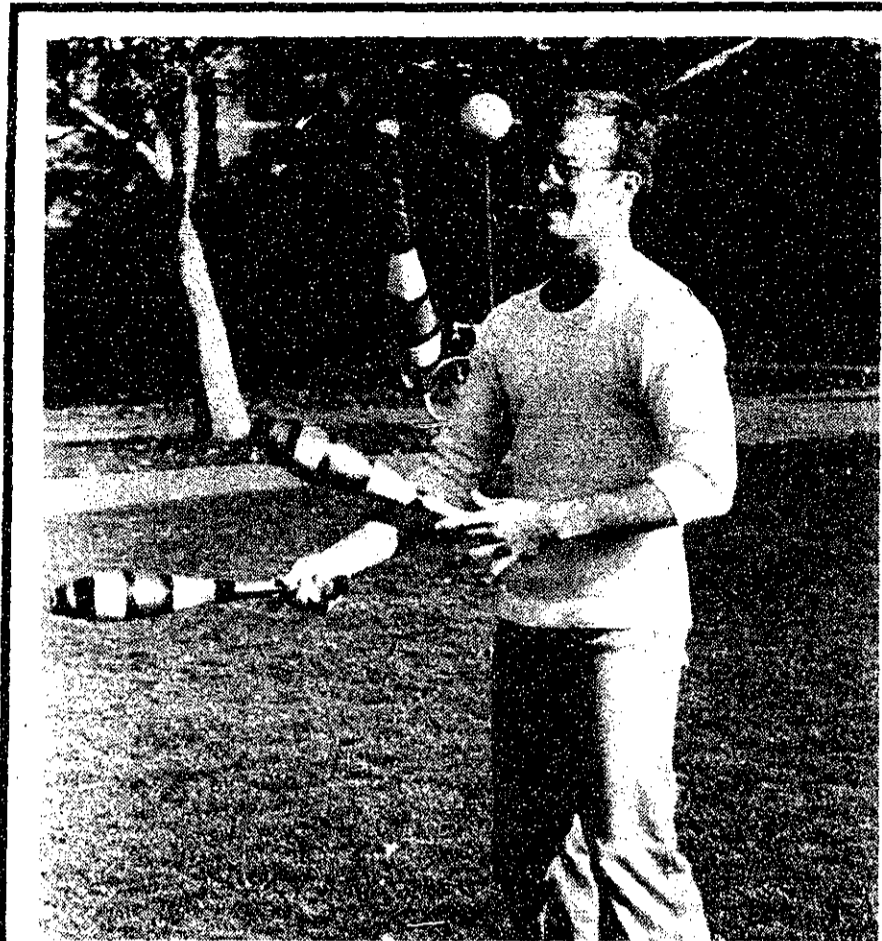
So, get out there. I guarantee you will not be bored.

New England Collegiate Football Conference Team Standings

	W	L	T	PF	PA
Worcester State	6	0	0	228	78
Bentley	5	0	1	181	49
Assumption	5	0	1	166	96
Stonehill	3	4	0	100	118
Roger Williams	3	4	0	81	151
MIT	2	4	0	60	152
Fitchburg State	2	4	0	134	121
Providence	1	5	0	71	145
Hartford	0	6	0	29	136

Last Week's Results

Assumption 35, MIT 14
Bentley 26, Hartford 0
Roger Williams 19, Stonehill 14
Worcester State 56, Fitchburg State 42



Why not try juggling this weekend?

Tech photo by Laurie Goldman

on deck

Upcoming Home Events

Tomorrow

Football vs. Hartford, 2pm
Men's Rugby vs. UMass-Amherst, 12pm
Men's Soccer vs. Coast Guard, 11am
Men's Sailing, Schell Trophy, 9:30am

October 31

Men's Sailing, Schell Trophy, 9:30am

November 6

Pistol vs. Navy, 10am
Men's Rugby, MIT Tournament
Water Polo, New England Championships

November 7

Water Polo, New England Championships

November 20

Rifle, League Invitational, 8am

November 23

Men's Basketball vs. Babson, 7:30pm
Men's Fencing vs. Brown, 7pm
Women's Fencing vs. Brown, 7pm

sports update

Field Hockey — upped its record to 5-8 with a 1-0 victory over Barrington Tuesday afternoon. Karen Renaud '84 scored the game's only goal to power the winning effort. MIT played its last game of the season yesterday afternoon at Wellesley.

Women's Tennis — at 4-6 on the year, not 3-6 as had been previously reported, ended its fall season on a winning note with a 4-2 win in an abbreviated match against Simmons Wednesday afternoon. The team's final record is 5-6 for dual meets.

Women's Volleyball — dropped a tough 3-2 decision at Northeastern Wednesday afternoon. MIT won the first game 15-4, lost the second 15-7, won the third 15-6, and lost the fourth 15-8. In the fifth and final contest MIT lost a heartbreaking 15-12 contest. The loss snapped the team's eighteen-game winning streak and lowered its record to 22-2. Tomorrow the squad will participate in the Northern Intercollegiate Athletic Conference (NIAC) championships at Connecticut College.

Water Polo — played a visiting club from Notre Dame Wednesday, and came away victorious. The 23-14 win puts the team at 11-6-1 before this weekend's Ivy League Tournament at Harvard.

Take Charge At 22.



In most jobs, at 22 you're near the bottom of the ladder.

In the Navy, at 22 you can be a leader. After just 16 weeks of leadership training, you're an officer. You'll have the kind of job your education and training prepared you for, and the decision-making authority you need to make the most of it.

As a college graduate and officer candidate, your Navy training is geared to making you a leader. There is no boot camp. Instead, you receive professional training to help you build the technical and management skills you'll need as a Navy officer.

This training is designed to instill confidence by first-hand experience. You learn by doing. On your first sea tour, you're responsible for managing the work of up to 30 men and the

care of sophisticated equipment worth millions of dollars.

It's a bigger challenge and a lot more responsibility than most corporations give you at 22. The rewards are bigger, too. There's

a comprehensive package of benefits, including special duty pay. The starting salary is \$16,400—more than most companies would pay you right out of college. After four years, with regular promotions and pay increases, your salary will have increased to as much as \$29,800.

As a Navy officer, you grow, through new challenges, new tests of your skills,

and new opportunities to advance your education, including the possibility of attending graduate school while you're in the Navy.

Don't just take a job. Become a Navy officer, and take charge. Even at 22.

NAVY OPPORTUNITY INFORMATION CENTER W 200

P.O. Box 5000, Clifton, NJ 07015

I'm ready to take charge. Tell me more about the Navy's officer programs. (OG)

Name _____ (Please Print) _____

Address _____ Apt. # _____

City _____ State _____ Zip _____

Age _____ College/University _____

Year in College _____ GPA _____

Major/Minor _____

Phone Number _____ (Area Code) _____ Best Time to Call _____

This is for general recruitment information. You do not have to furnish any of the information requested. Of course, the more we know, the more we can help to determine the kinds of Navy positions for which you qualify.

Navy Officers Get Responsibility Fast.