

King, Dukakis vie in Democratic primary

By Tony Zamparutti

Next Tuesday's Massachusetts primary election will decide one of the most bitter fights for the Democratic gubernatorial nomination in the commonwealth's history.

Incumbent Edward J. King and Michael S. Dukakis, governor from 1974 to 1978, are locked in a rematch of their 1978 primary battle, in which King upset Dukakis.

Mudslinging and vitriolic countercharges have dominated the campaign and have obscured the issues separating the candidates.

The primary contest has deeply split the Democratic Party and may give the Republicans, usually minor players in Massachusetts politics, a chance at the governor's seat.

Dukakis had a sizable lead among Democratic voters early in the campaign, but the two candidates now stand nearly even in the polls. Dukakis lost the 1978 Democratic primary to King after holding a sizable lead for most of the campaign.

Lieutenant Governor Thomas P. O'Neill III, who withdrew from the Democratic primary race last May, predicted: "The size of the turnout will determine the outcome of the race. If it's high, Dukakis wins; if it's low, King wins."

Dukakis won his party's non-binding nomination at the state Democratic convention in May.

King, a skilled stump politician, has promoted his image as a tax-cutter and a conservative on issues such as stopping abortion, cutting the state budget,

and toughening drunk driving laws.

Dukakis, a skilled administrator but somewhat impersonal politician, has continually attacked the King administration for corruption and incompetence. An ongoing investigation of the Massachusetts Revenue Department and rumors of connections between problems in that department and Governor King have added fuel to Dukakis's rhetoric.

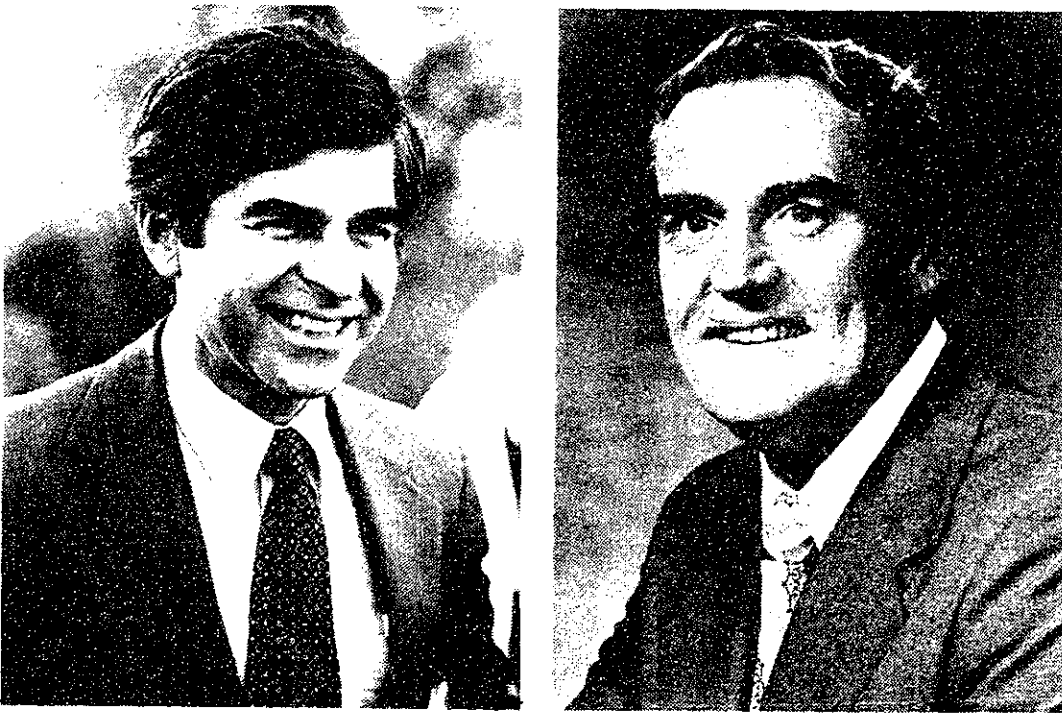
Dukakis's main support comes from younger, more liberal, and better-educated voters than does King's.

The former governor has tried to promote his administration as one of integrity and competency. Nevertheless, Dukakis is tainted by several political scandals which broke during his administration.

Dukakis is also trying to de-emphasize his image as an earnest liberal, and has matched King's rhetoric on crime prevention.

King has deftly used his power as governor in his reelection campaign. Although he stayed in Boston for most of his four-year term, he now travels through the state announcing new projects and government-funded programs.

(Please turn to page 2)



Tech File Photos

Former Governor Michael Dukakis (far left) and incumbent Edward J. King are pitted against each other in this year's Democratic primary.

Three fight for GOP nomination

By Tony Zamparutti

The Republican gubernatorial candidates, neglected by the press and public for most of the campaign, are drawing more attention as Tuesday's Massachusetts primary election draws near, following the bitter split between the two Democratic candidates and allegations that one of the Republicans embellished accounts of his background.

The three Republican candidates — John W. Sears, John R. Lakian, and Andrew H. Card, Jr. — faced each other in a one-hour broadcast on all the major Boston television stations last night. A planned Democratic gubernatorial debate was cancelled.

Conservative governor Edward J. King's campaign for the Democratic nomination has drawn support from many traditionally Republican groups, including business leaders, leaving the Republicans with less campaign funding than expected.

John W. Sears, a conservative, holds a substantial lead in the Republican race. Nevertheless, many observers question his ability to combat a strong Democratic challenger.

Millionaire political newcomer John R. Lakian ran a strong campaign until an article appearing in *The Boston Globe* last

month questioned discrepancies in Lakian's accounts of his personal and professional life.

Lakian, who won a non-binding nomination from the state Republican party at its spring convention, stresses his ability to defeat the Democratic nominee. *The Globe's* charges quickly deflated his standing in the polls to a distant second, however.

State Representative Andrew H. Card, Jr. runs a distant third in the Republican primary. Card's campaign is running on a shoe-string budget, and last night's televised Republican debate probably represented his last major chance to receive notice.

US Congress causes financial aid delays

By Jake Tinio

A "very active and bureaucratic" US Congress has caused delays in virtually every major Federal financial aid program and backlogs of loan applications and

grant forms in student aid offices, according to Leonard V. Gallagher '54, Director of Student Financial Aid.

The delays in processing Federal loans and grants have in-

creased anxiety over cutbacks in Federal aid, Gallagher said, even though those cutbacks were not as extensive as President Reagan originally planned.

"The budget and legislation in Congress affected the rules by which these programs were to be administered," said Gallagher. "Both the definition of a student's need and the manner of distributing money among the 50 states were up for grabs. Until the Department of Education knows how to make these definitions, they can't distribute the money."

This year's cutbacks will not affect MIT seriously, according to Gallagher. The three Federal programs MIT administers — the National Direct Student Loan program (NDSL), the College Work Study Program (CWSP), and the Supplementary Educational Opportunity Grant (SEOG) — "have had modest cuts, but for this year, our allocations have been in the same ballpark as in past years," he said. The Federal government cut the NDSL and CWSP programs by four percent each and the SEOG

program by about ten percent, Gallagher said.

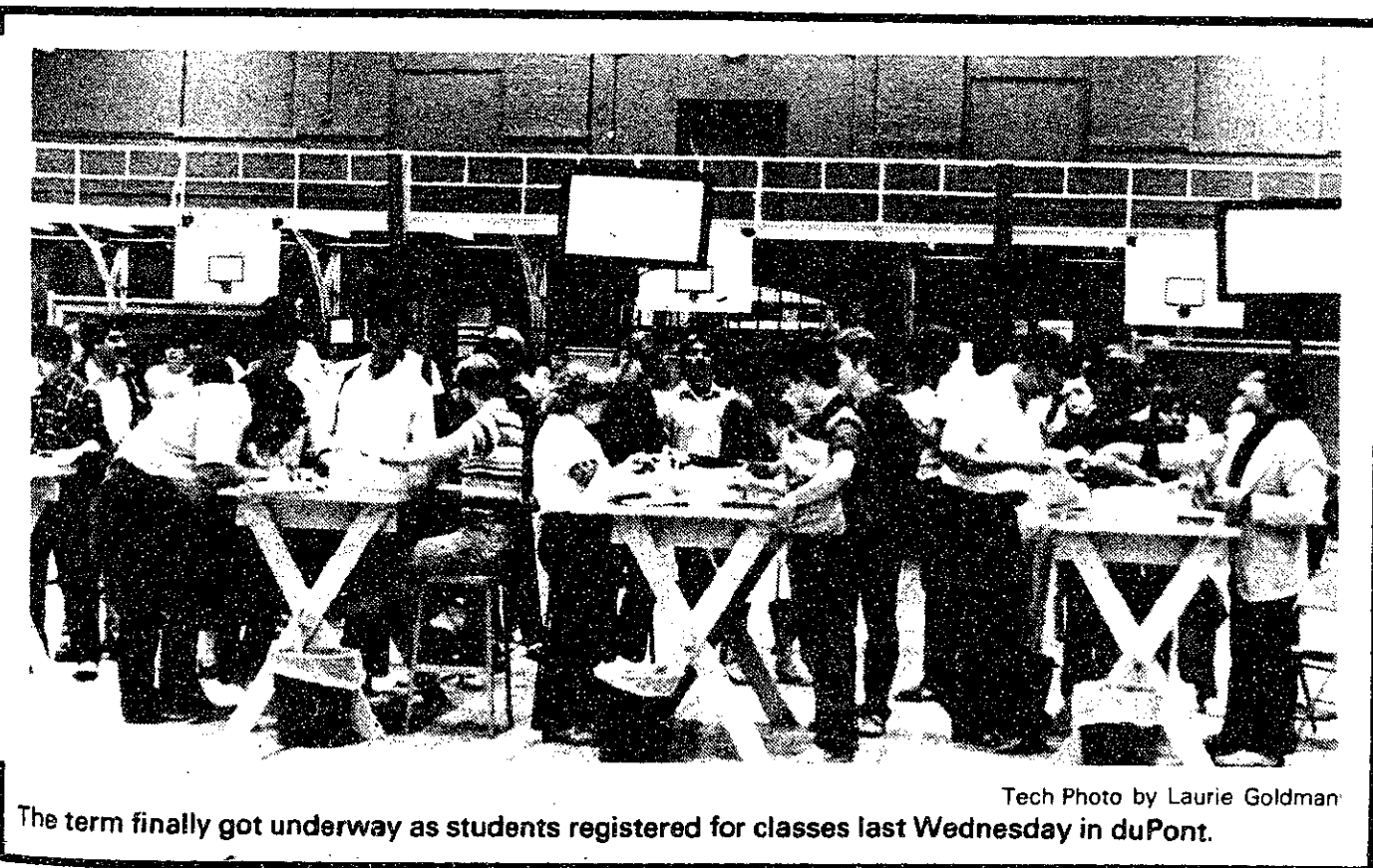
Gallagher did express concern over the severe reductions in 1984-85 student aid programs called for in the 1983 Federal budget, however. "We have gotten our year of grace, with the very real threat that it will not last more than one year," he said. "There are going to be some bleak years ahead."

Because of the Congressional delays, the US Department of Education is three to four months late in informing colleges how much money they will receive under the three college-administered Federal aid programs, Gallagher said.

Although the Department of Education has "not yet released any real money," it authorized colleges in mid-August to spend their own money, Gallagher reported. Colleges might not receive all their Federal funds until the end of September or later.

Legislative conflicts have also caused backlogs in the Pell Grant and Guaranteed Student Loan

(Please turn to page 2)



Tech Photo by Laurie Goldman

The term finally got underway as students registered for classes last Wednesday in duPont.

MIT chemical leak ires Mayor Vellucci

By Sam Cable

A leak of phenol — a laboratory antiseptic classified by the US Environmental Protection Agency as a hazardous substance — from an MIT trash compactor will be discussed by the Cambridge City Council at its September 20 meeting.

Other chemicals found in the compactor included ammonium hydroxide, ether, and chloroform, according to a report by Cambridge Public Health Coordinator Kevin Doherty.

Cambridge Mayor Alfred E. Vellucci, disturbed by the report of the leak, requested the city council discuss the matter.

"What does all this say about the way in which high level containment recombinant DNA work is conducted at MIT or will be conducted elsewhere in Cambridge?" Vellucci asked in a memo to city councilors.

The chemicals were inadvertently left with other garbage from an MIT laboratory and

placed in the trash compactor by janitors, according to MIT Safety Officer John Fresina. The bottle of phenol broke in the compactor.

A caller to the Cambridge Deputy Fire Chief reported chemicals leaking from the garbage compactor, located behind the Kendall Square fire station on Main Street, after midnight on Saturday, August 7, according to Doherty's memorandum.

(Please turn to page 9)

inside

Inside advice on finding the best schedule. Page 4.

Rhinos off the beaten groove. Page 7.

Paul Gray talks about tightening the Institute's belt. Page 9.

No new numbers on freshman crowding can be found on Page 10.

What you've been waiting to read during your next boring lecture — *The Tech* comics page. Page 11.

New rules for Federal student aid programs delay funds

(Continued from page 1)

(GSL) programs, which are awarded outside the colleges.

Pell Grant funds at MIT will decrease between 15 and 25 percent, Gallagher said. Students from middle-income families will be the hardest hit by this reduction, he predicted.

The Department of Education has asked financial aid officials to check Pell Grant applications against students' income tax returns. "We have to do the validating before we do the funding," commented Gallagher. Until all Pell Grants are confirmed, MIT will provide the money for the students, Gallagher said.

The GSL program subsidizes low-interest bank loans to students. Legislators proposed a barrage of changes, including reducing the size of the loans, setting new criteria for eligibility, and eliminating graduate students from the program. As a result, explained Gallagher, banks were extremely reluctant to process loans until they knew the final set of requirements.

A drop in the number of MIT students applying for guaranteed student loans (GSL's) this year is due to a lack of information, according to Gallagher. "People incorrectly thought they were ineligible," he said. Gallagher expects a surge of loan applications in late September as more students become aware of their eligibility.

Since October 1, Gallagher explained, the Federal government has required a "needs test" for students with annual family incomes greater than \$30,000 before they can obtain GSL's.

The MIT Bursar's Office will compensate for delayed GSL's and make adjustments in collecting payments, according to Assistant Bursar Richard Davidson. "Our position is not to penalize the students for these delays," Davidson said.

Congressmen introduced new legislation this summer to eliminate delays in Pell Grants. If

passed, the legislation would automatically set eligibility standards for potential recipients of the grants if the Department of Education is late in issuing regulations for the program, according to Gallagher.

"The new legislation would be good insurance," Gallagher noted.

While all three classes of Federal student aid programs — the college-administered programs, Guaranteed Student Loans, and the Pell Grants — face delays, "it's an annoyance, not a problem at MIT," Gallagher said.

Over half the undergraduate students at MIT receive financial aid.

save 15% w/this ad
exp. 9/30

Manseur's
IMAGE
Hair Center
231 Newbury Street
536-1605

Visit Image
to get
Career



Men's & Women's Styles
For The
Look of Success
Appet. or Waitkin

Feast your eyes on Boston.



From every one of our contemporary and distinctively appointed guest rooms, you'll enjoy a positively magnificent view of the Boston skyline. And while you're visiting MIT you can treat yourself to a Boston tradition — a superb dinner in our Rib Room. Superior service and convenience of location complete the picture: the Hotel Sonesta, on the banks of the Charles River, is only two minutes from nearby MIT with plenty of free parking. Courtesy transportation is provided to major historic, educational and financial centers in Boston.

Hotel Sonesta, Cambridge

Five Cambridge Parkway, Cambridge, MA 02142 (617) 491-3600
Call a travel agent or Sonesta at 800-343-7170 (In Mass. 800-952-7466)
Sonesta Hotels in Hartford Key Biscayne (Florida) New Orleans Amsterdam Bermuda Herzlia (Israel)

Primary splits Mass. Democratic party

(Continued from page 1)

King claims his opponent, while in office, initiated the state's largest tax increase, while King has reduced Massachusetts' tax burden and improved its business climate.

Although the governor remains slightly behind in the polls, he has run an impressive and well-financed campaign. One year ago he was the nation's least popular sitting governor, but even after extensive press coverage of the Revenue Department scandal, King's position in the polls has continued to rise.

YOUR BSN IS WORTH AN OFFICER'S COMMISSION IN THE ARMY.

Your BSN means you're a professional. In the Army, it also means you're an officer. You start as a full-fledged member of our medical team. Write: Army Nurse Opportunities, P.O. Box 7713, Burbank, CA 91510.

ARMY NURSE CORPS.
BE ALL YOU CAN BE.

An MIT Musical Theatre Guild production


August 27, 28, September 3, 4, 9, 10 & 11 at 8pm

August 29 & September 4 at 3:30pm

Tickets: \$5 / \$3 MIT students

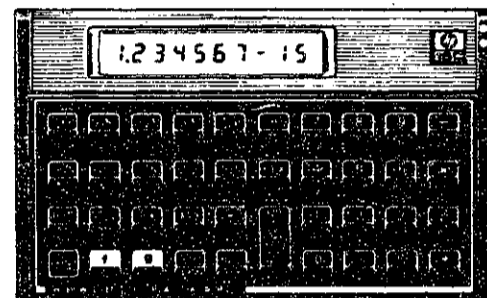
Kresge Little Theatre
84 Massachusetts Avenue
Cambridge

Stephen Sondheim's



the Coop HARVARD COOPERATIVE SOCIETY
MIT Student Center

IT TAKES A BETTER GRADE CALCULATOR TO GET A BETTER GRADE



HP-15C

Your Power Over Numbers
The Most powerful calculator ever built for advanced mathematical calculations.

Reg. \$134.95
Sale \$114.95



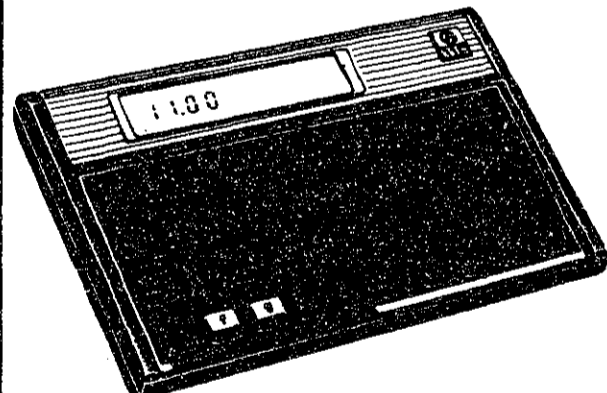
HP-16C

Become a Logic Master
The Most powerful calculator ever designed for computer science and digital electronics.

Reg. \$149.95
Sale \$129.95

HP-11C

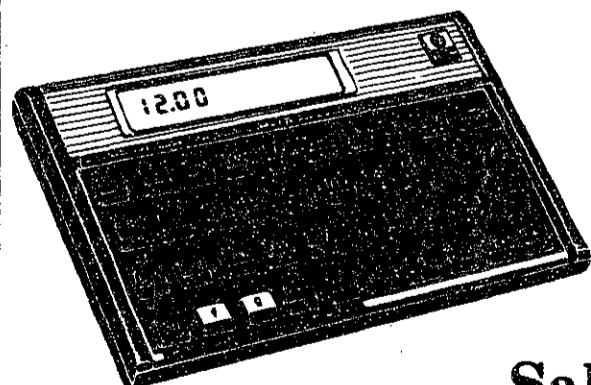
Powerful entry-level programming specifically designed for math, science, and engineering.
Reg. \$99.95
Sale \$84.95



HP-12C

More Financial Solutions In Your Pocket

Bond functions, depreciation schedule, discounted cash flow analysis, statistics, investment comparisons, and 99 programming lines.
Reg. \$139.95
Sale \$124.95



Computer Seminar:
Thursday, Sept. 23 — Harvard Square
6:00 PM to 8:00 PM
Please register for computer seminar by calling 492-1000 x337.

 **HEWLETT PACKARD**

news roundup

World

Israeli parliament rejects Reagan's peace plan — The Knesset voted 50 to 36 in favor of Prime Minister Menachem Begin's opposition to President Reagan's recently proposed peace plan. Reagan called for Palestinian self-rule with ties to Jordan in the West Bank and the Gaza Strip and a freeze on Israeli settlements in the occupied lands. "Judea and Samaria are for the Jewish people for generations and generations," Begin declared during the debate. The Prime Minister also called for elections to be held in May or June, two years ahead of schedule.

Arab League to propose new peace plan — Fifteen Arab leaders, including PLO Chairman Yasir Arafat, meeting at Fez, Morocco are reported to have agreed on a joint Arab Middle East peace plan. The Arab League conference began Monday. The leaders are reportedly studying several peace plans, including President Reagan's recent plan and Saudi King Fahd's 1981 proposal.

Israelis destroy Syrian anti-aircraft missile battery in Lebanon — Israeli Prime Minister Menachem Begin announced Wednesday Israeli jets had destroyed a Syrian SAM-9 battery located in Lebanon, near the Beirut-Damascus highway. Begin said it was the first Syrian battery attacked since August 10.

Soviet dissident group disbands — The Moscow Group to Promote Observance of the Helsinki Agreements in the USSR, founded in 1976 and active in the late 1970's, announced in a press release to Western reporters that it is disbanding and that the Soviet government is preparing to charge one of the group's three remaining members with slander. Most members of the Helsinki group, including Anatoly Scharansky and founder Yuri Orlov, have been arrested and interred.

India's first commercial satellite fails after four months — The Indian Space Research Organization acknowledged this week that Insat-1, built and launched in the United States for the Indian government, has used all its fuel and no longer functions. Although a backup will be launched next summer, the loss seriously undermines India's telecommunications plans. The satellite was designed for a seven-year life, but officials expected it to last only 2½ years after its solar power array did not deploy. Ford Aerospace Corporation of Palo Alto, CA built the satellite.

Nation

Guam voters reject statehood — Residents of the American territory of Guam voted overwhelmingly in a non-binding referendum last weekend to become a US commonwealth rather than a state. The Guam legislature, however, is blocking funds for a committee to write an act calling for such a change in status. Voters would have to approve such an act in the November 2 general elections.

Three Lutheran denominations merge — The Lutheran Church in America, the American Lutheran Church, and the Association of Evangelical Lutheran Churches each voted at their respective conventions Wednesday to merge into one church by 1987. The new church will have 5.5 million members, making it the nation's third largest Protestant denomination. The three Lutheran churches share similar theologies but originated with immigrants of different ancestries.

B'nai B'rith leader praises Reagan's Middle East plan — Jack J. Spitzer, international president of the American Jewish service group, said Wednesday President Reagan's peace plans are worthy of consideration. "We believe they are presented in a sincere spirit of finding common ground for involving all parties to the conflict in the negotiating process and giving fresh momentum to the search for Middle East peace."

Bill Paley leaves CBS — William S. Paley, founder of CBS, Inc., announced Wednesday he will resign next April from his position as chairman of the board of the corporation. At age 26, Paley bought United Independent Broadcasting, then a small, unprofitable company, and has since built CBS. Paley, 81, will remain as chairman of the board's executive committee and as a consultant to CBS. He will be paid half his present yearly salary of \$339,746. Paley owns 7 percent of CBS stock, estimated at \$74 million.

Senators drill Watt at subcommittee hearing — Senators Bill Bradley (D-NJ), Howard M. Metzenbaum (D-OH), and Lowell P. Weicker (R-CT) criticized Secretary of the Interior James Watt's five-year plan for offshore oil and gas drilling when Watt spoke Wednesday before the Subcommittee on Energy Conservation and Supply. "From every shred of evidence I've heard, your accelerated plan would be a grave danger to our fisheries," Weicker told the secretary. "If you took the time to review stringent environment strictures on leaseholders . . . you would be thrilled," Watt told the subcommittee members.

Dead candidates draw votes in Arizona — Steve Jancek pulled over 24,000 votes in Arizona's Democratic primary last Tuesday. Unfortunately, Jancek died about one month ago. Elsewhere in the Grand Canyon State, Jack DeSchalit won an unopposed election for constable in Tucson, although he died August 27.

Weather

Abundant sunshine today, with high temperatures of 80 to 84. Tomorrow and Sunday will be even warmer, with highs in the middle to upper 80's.

Tony Zamparutti

ON BROADWAY ANTIQUES

Special:
Mission Oak
Desk & Chair
\$150.00

308½ Broadway
Cambridge, MA
(617) 497-0666

ROSH HASHANA MEALS

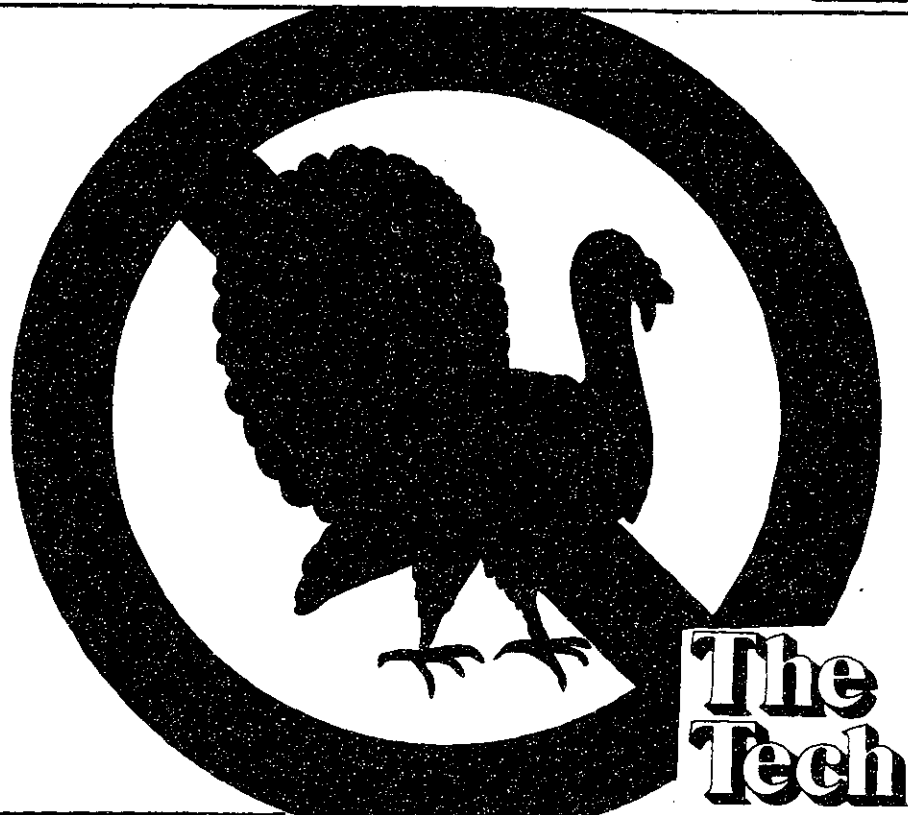
Join us for delicious holiday meals at MIT's Kosher Kitchen — chicken soup, baked chicken, kugel and more . . .

Friday, September 17
Dinner (first seating) 6:00pm
Dinner (second seating) 7:30pm

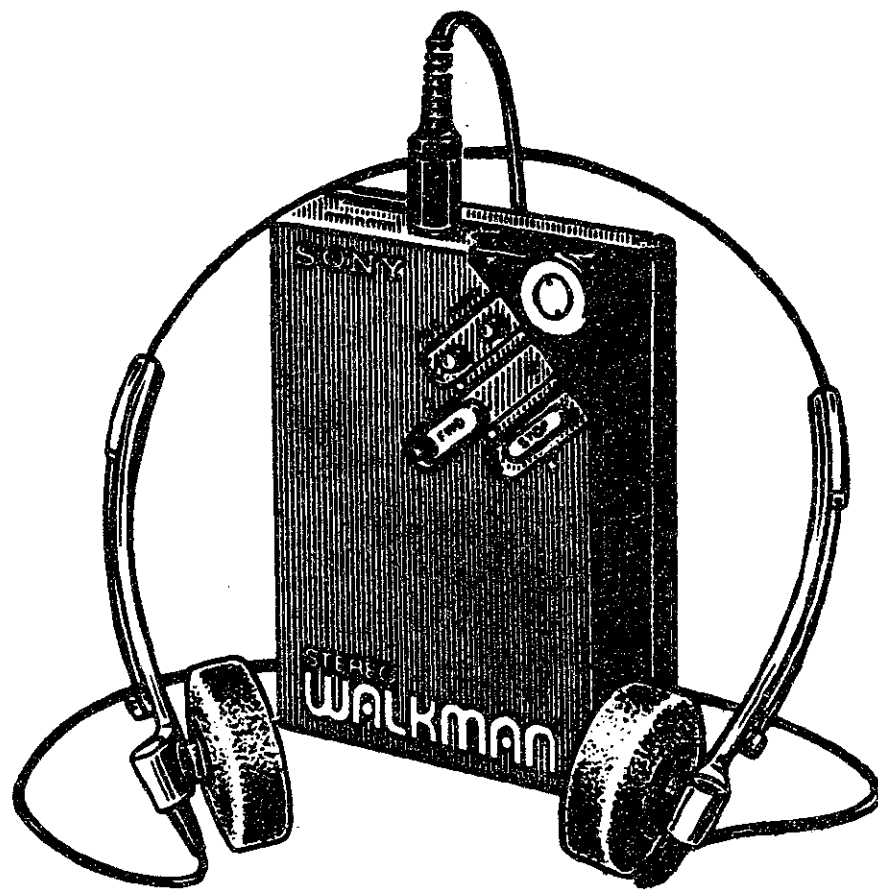
Saturday, September 18
Lunch 1:30pm
Dinner 7:45pm

Sunday, September 19
Lunch 1:30pm

Dinners are \$6.25 and lunches are \$5.00. Holiday meals must be prepaid. Payment can be by validine or cash at the Kosher Kitchen, Walker Hall, Room 005, Monday through Friday, 1pm-6pm. For information call at 225-6750 or 253-2982.



SONY SALE

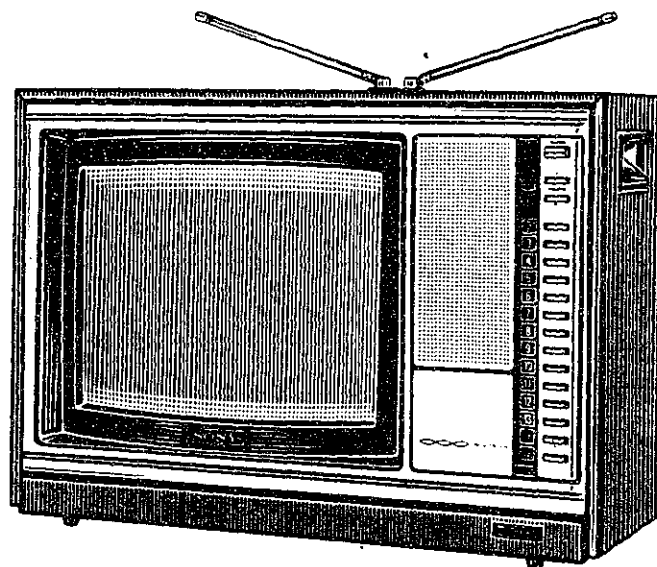


The ultimate in a
personal portable stereo.
Sony Walkman^{T.M.} 2
Stereo Cassette Player

Smaller than ever in size but bigger than ever in sound! Precision technology rockets the dynamic range skyward to capture concert hall realism. Hear and believe.

Orig. \$149.95

\$99.95



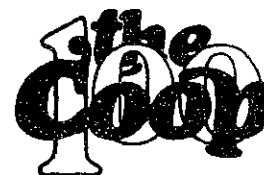
Compact & Economical
Sony 12" Trinitron
Color TV (measured diagonally)

The engineering makes it the perfect set; the price makes it the perfect second set. Features include: improved Alpha 1 chassis for lower energy consumption; 14-pushbutton Express Tuning (VHF & UHF); tuning indicator lights; handsome cabinet.

Reg. \$469.95

\$399.95

MIT Student Center



Opinion

Jerri-Lynn Scofield

How to pick an ideal schedule

I have a confession to make: I am breaking a several term tradition this fall. Wednesday, I registered for five courses (after the Registrar's Office lost my pre-registration material and I had to wait an hour in line in front of a single computer terminal to be recognized. Where are MIT's sophisticated computer facilities when you need them?) with no plans to change anything at a later date. My department registration officer was flabbergasted; I had just finally convinced him of the pseudo-rationality of my earlier ways. Registration Day and all its hassles forced me to think back to last year this time when I had an entirely different strategy for selecting courses at MIT.

Last fall term, after the third day of classes, I received a frantic telephone call from one of my freshman advisees. As a freshman who still accepted every syllable of the *Freshman Handbook* as Gospel, she was distraught because her course schedule was still uncertain. Her writing instructor had announced to his overcrowded class that each student was required to write an essay, the quality of which would determine who was allowed to remain in the course. "What if my writing is not good enough," she wailed, "and I have to find another course? Isn't it too late in the term to switch classes? I calmed her by explaining my method for selecting courses at MIT.

Twice each year, shortly before finals week, the Office of the Registrar issues its masterwork, *Registration Material*. Its enthralling description of class registration procedures perpetuates the myth that class selection at MIT is a rational, orderly process, governed by each student's desire to maximize his learning possibilities.

The description of procedures found in the Registrar's publication is based on the assumption that MIT students have nothing to do during finals week except plan their schedules for the following term. Since every student supposedly has precise academic goals it appears only natural that, in the midst of study of studying for a thermodynamics final, finishing a political science take-home exam, completing all of the required macroeconomics sets, and negotiating with a humanities professor for an incomplete, the student carefully selects his course of study for the next term. To ensure that all heretics and unbelievers heed the call to register, the Registrar levies a late fee upon brazen nonconformists.

Unfortunately, the Registrar's Office assumes or pretends that these finals week scribbles accurately predict the courses in which student intends to enroll. So do professors, when they plan their courses. So does The Coop, when it orders books. So do departments, when they decide which courses to cancel. So does the Schedules Office, when it assigns classes to rooms. All of these estimates, however, are based on incorrect information. Perhaps it is really not overly surprising that everyone is somewhat surprised when the term actually begins.

Students use many different techniques to determine what courses they take, many of which are not applied until the week classes actually begin. The first, the dictation method, as its name implies, is imposed on them by stubborn advisors. Those forced to use this method have their schedules dictated; they acquiesce, or change advisors.

The second method, which is based on scuttlebutt, is more widely used. Its devotees imply well-developed connections to discover which courses have optional professors, soft-hearted professors, or no finals, as well as to deduce which lecturers cannot speak English or hate students. The most important consideration in class selection is not always the quality of the learning experience.

The sample method is surely the most sophisticated way to select courses. To practice it, one needs a cooperative advisor, as well as an understanding of MIT's fundamental administrative rule: it is far easier to drop a course than to add one. Just ask anyone who has tried to add a course three days after add date. After all, a course may be dropped until the eleventh week of the term, whereas one can be added only until the end of the fifth week.

(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
Mia Paget '84 — Business Manager
Volume 102, Number 35
Friday, September 10, 1982

PHOTOGRAPHY DEPARTMENT

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

PRODUCTION STAFF FOR THIS ISSUE

Night Editor: Bill Giuffre '84; Staff: David G. Shaw '82, Gerard Weatherby '82, V. Michael Bove '83, Bill Spitzak '83, Charlie Brown '84, Laurie Goldman '84, Amy S. Gorin '84, Tony Zamparutti '84, Bill Coderre '85, Daniel J. Weidman '85, Joel Gluck '86, Richard Mlynarik '86.

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.



Ivan Fong

A daughter's letter home

Dear Mom and Dad,

It's been a long day. I've just about finished moving into my new room and putting my stuff away. Classes started yesterday, and I hope to relax this weekend — get some sleep, finish unpacking, and talk to the freshmen on my floor.

Strangely enough, I don't feel the confidence and courage I always thought was second nature to the seniors I've known. I guess, deep down, I'm scared of what's to come: both in academics and in emotions. I think back to the time I considered transferring from MIT, with the hopes of getting away from the stifling east-coast competitiveness and social pressures, and, in a way, wonder why I didn't make the move. Perhaps, again, I was scared.

When I first came to the Institute, and even sophomore year, I felt I could cope with the myriad of decisions I suddenly had to make. Decisions, for example, of how best to balance my studies and my socializing. Or how to deal with obnoxious guys. It's funny how people outside MIT wonder when I say I go to MIT and think, "Boy, she must be strange!" while, at MIT, guys wonder whether I was admitted

"just because I'm female." As I look back now, I realize I didn't really struggle to overcome these obstacles, but retreated to the comfort of my closest friends. While I could maintain an outward image of semi-confidence and semi-competence, inwardly, I died a thousand deaths.

So I hope this year to find my peace of mind, peace of heart, and discover what it is I truly want from life. More importantly, I hope to broaden my perspective of what "success" means — be it money, prestige, happiness, or whatever — I don't know. Throughout high school and especially at MIT, I felt bombarded with the idea that to succeed means to get a "good" job (i.e. well-paying) and plagued with the notion that I might not "make it." I sense this realization in many women at school; they seem to work so hard just to prove themselves as women at a technical school.

Although I'm still dependent upon you financially, my dream is still to go abroad for a few years before continuing with graduate school. I do feel the need to strike out on my own before I work, and besides, I need a break from the classroom. On the other hand, I am torn with the thought

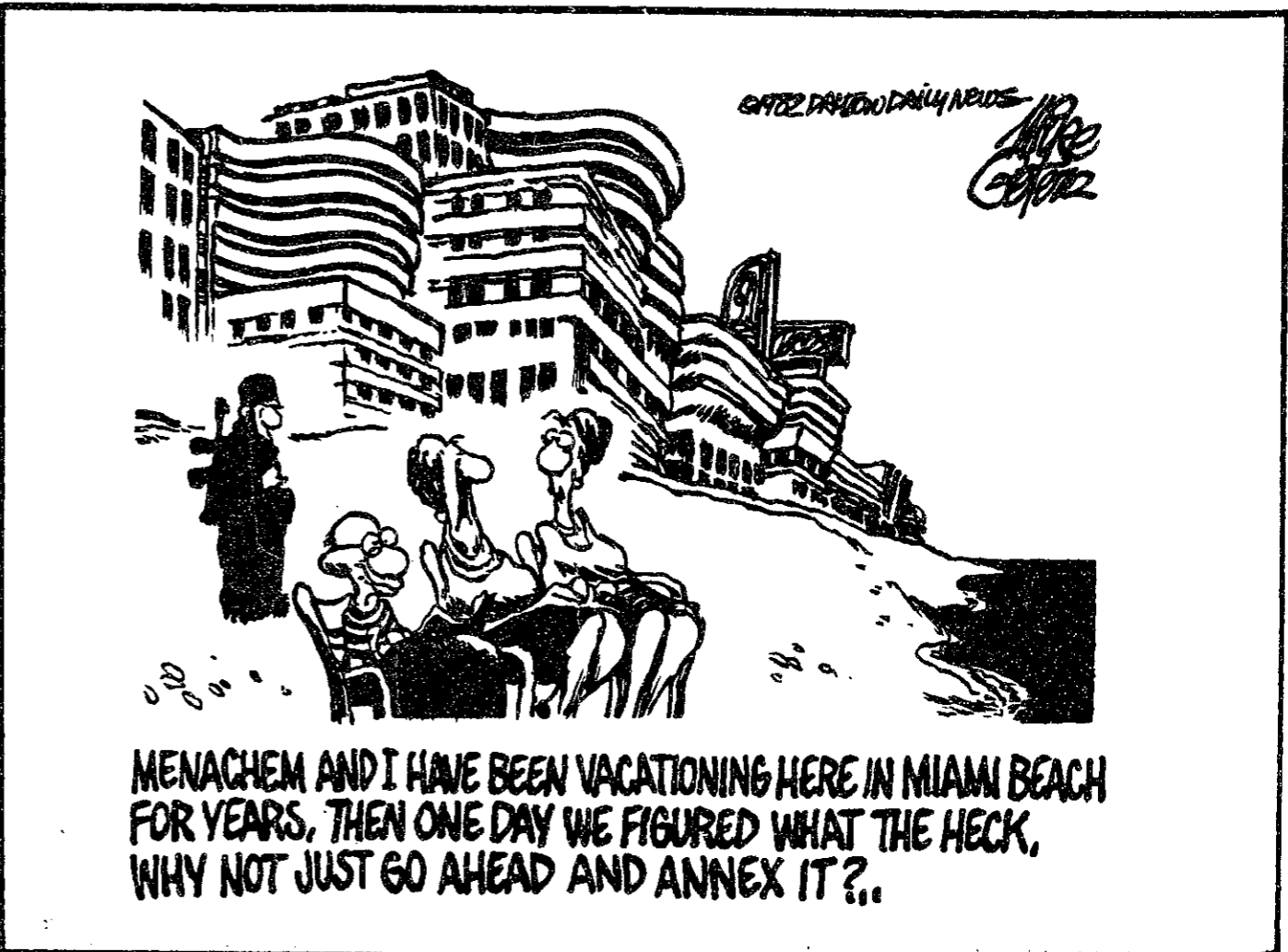
of not having a family and someplace to call home. Perhaps I'm being old-fashioned, but I often feel I'm sacrificing a large part of my dreams for raising a family when I pursue a career congruent with my capabilities and personality.

It seems especially tough at MIT where, first of all, being an engineer virtually commits you, in the eyes of others, to a career, and where, secondly, MIT women occupy an almost unnatural (?) place in the social life. One guy I know once commented that MIT was an all-male school as far as he was concerned, because the women he met in his classes were not the women he socialized with, and because the women he met at parties were not the women he saw every day at school. For me, I don't think it's that bad — I have fun — but ...

I still look forward to the one guy who will be my close friend and companion first and foremost; who will be sensitive and understanding; gentle yet strong; humorous and serious ... Do I ask for too much? Maybe so ... but I don't think I'll be happy if I settle for anything less.

Say "hi" to Jenny and Cliff for me. Take care.

Love,
S.



Registration: an alternative path to an \$8700 education

(Continued from page 4)

One term, I pre-registered for 132 units. My course selections required two sheets of Registrar computer printouts, which arrived in separate envelopes. Of course, I had to assure my advisor I was not an unmitigated nerd nor was I crazy nor did I actually intend to complete all those courses in one term. Give me at least two to do that.

For the first week of classes, I used to attend each session of several classes, more or less. I paid great attention to the quality of lecturers and the content of syllabi. I then tried to select courses that were interesting and broadened my scope. These type of evaluations can not always be made on the basis of catalogue descriptions.

There are other criteria important to selecting classes, however, that at first glance do not involve high-minded academic goals. A friend of mine who also practices

the sample method refuses to take classes that meet before nine in the morning. Or ten for that matter. Or on Fridays. This sounds frivolous, yet he knows he performs best when he has time to awaken before going to class. At 8,700 dollars a year, it is too expensive to sleep through many classes. He is an avid skier, and those Fridays off give him a chance to leave MIT early and hit the slopes. They also contribute to making him a more relaxed, easy-going person.

I have my own idiosyncrasies as well. I have a personal bias against courses with catalogue listings that begin with the number six. There are enough interested students at MIT to fill all sections of all electrical engineering offerings. I am not intimidated by the rigorous image Course 6 tries to project; none of their classes sounds interesting to me. It is my contribution to the fight against overcrowding to sacrifice my birthright — maybe I should

say admissions right — to take a course offered by the electrical engineering department. Classes that can be defined solely in terms of differential equations are also not high on my list, but are not strictly taboo.

Sometimes, though, the sample method backfires. After finally choosing classes, I usually go to The Coop to purchase books. It is not uncommon for required textbooks to be out of stock; the manager of the book department usually says it takes four to six weeks to order additional copies. It seems that professors order textbooks based upon the Registrar's projection of enrollments. When these estimates turn out to be fictitious, The Coop runs out of books. This news, however, can contain an unexpected benefit for the course sampler. After he replaces the course that doesn't have textbooks with any of the dozen others he has surveyed, maybe he won't have any classes that begin before noon.

feedback

Dumas accused of censorship

To the Editor:

I am writing to publicize and protest the fact that Ken Dumas '83, R/O Coordinator, censored *The Daily Confusion*.

Censorship, because it destroys information and disrupts people's abilities to make decisions, should not be practiced. Both the content and the wording of a *Daily Confusion* entry are important; the content displays the type of activity the dormitory chooses to sponsor and the wording can make the dormitory seem witty, stupid, or boring. Obviously, neither should be interfered with.

One of our activities was marked "Gay beekeepers especially invited." Most of the people in Senior House I talked to thought it was funny and/or absurd so I submitted the item. Ken Dumas removed it. In effect, he passed his judgement off a representative of Senior House. Another entry that was omitted was "Sleep with a Veep (vice-president)" part of "Camp out in the courtyard. Not just an R/O activity — a way of life at Senior House." Lisa and I (the vice-presidents) had continued the joke throughout the last year at Senior House. How could Mr.

Dumas possibly be helping any freshmen by obscuring the nature of any house?

Censorship seems to be catching on at MIT, first at the Office of the Dean for Student Affairs and now with the R/O Coordinator and former Undergraduate Association Vice-President Ken

Dumas. The deleterious effects of censorship are obvious; in the future I hope the members of the MIT community will be able to resist the cowardice, conformity, and/or vanity that prompts us to it.

Pamela P. Keller '83
R/O Chairman, Senior House

Is 3% extraordinary?

To the Editor:

Your article of September 3, 1982 quotes Dean Robert A. Sherwood as saying, "The fraternities did an extraordinary job ... they had about 392 pledges, which is twelve more than we expected."

Is three percent really extraordinary, or did somebody lose a zero somewhere?

Elana B. Doering G

The stated rush goal was 380 students.

"★★★★★, A SOLID A..."

certainly among Fassbinder's best. It's Unforgettable!"

-David Brudnoy, News 7

"'LOLA' MUST BE SEEN!"

More intuitive and more pragmatic than much of Fassbinder's previous work. I was somewhat surprised by the film, and yet it helped me understand more clearly the distinctive qualities of his art."

-Andrew Sarris, Village Voice

"BRILLIANT,..."

Fassbinder working at the top of his form."

-Bruce McCabe, Boston Globe



A Film by
Rainer Werner Fassbinder
Starring Barbara Sukowa
Mario Adorf • Armin Mueller-Stahl

with Matthias Fuchs, Karin Baal, Helga Feddersen, Ivan Desny, Karl-Henry von Hassel, Elisabeth Volkmann, Rosel Zech, Mark Bohm and Christine Kaufmann. Photography by Xavier Schwarzenberger. Costumes by Barbara Baum. Screenplay by Peter Pfaffenkammer, Pies Fröhlich and Rainer Werner Fassbinder. Music by Peter Raben. Set Decoration by Raul Gomez. Edited by Jukane Lorenz. Production Manager: Thomas Schuly. Produced by Horst Wendlandt. A Raito-Film/Two-Film Production.



United Artists Classics
Copyright © 1982 United Artists Corporation
All rights reserved.

EXCLUSIVE NEW ENGLAND
PREMIERE ENGAGEMENT
1:00-3:15-5:30-7:45-10:00

BEACON HILL 1-3
1 Beacon at Tremont 723-8110

WELCOME STUDENTS!
METROPOLITAN BAPTIST CHURCH
(Southern Baptist Convention)
16 Beech Street, Cambridge
Dr. Richard Groves, Pastor

Bible Study: 10:00
Worship: 11:00

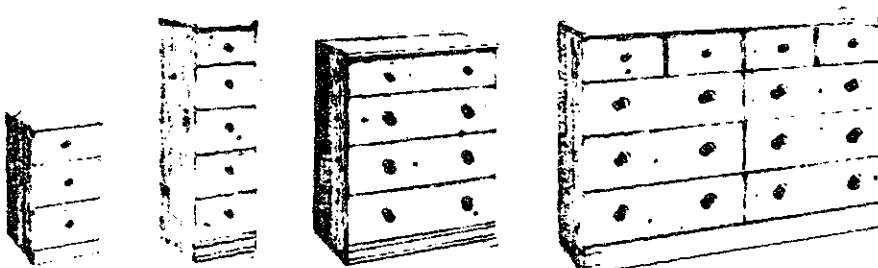
Food for thought:

Toscanini's Ice Cream
899 Main Street
Central Square, Cambridge
Corner of Mass. Ave. & Main St.

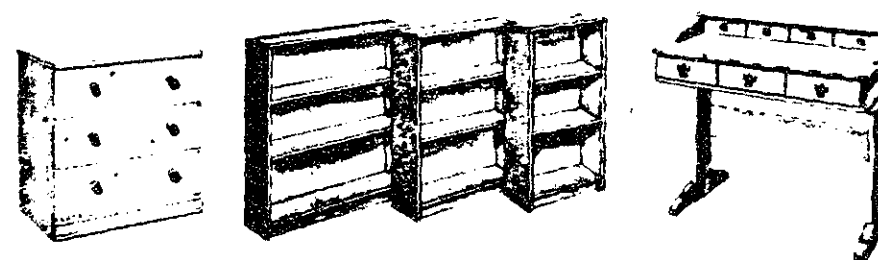
BARTENDERS WANTED:

There are several openings for bartenders in the Muddy Charles Pub, located in Walker Memorial. Any interested person must be an MIT student, preferably a graduate student, and at least 20 years of age. Bartenders serve beer and wine. There are two shifts: morning shift is from 11:30 A.M. to 2:30 A.M. and the evening shift is from 4:00 P.M. to 9:00 P.M. Contact Ed in the Muddy Charles Pub (Walker Memorial, first floor, riverside) or at x3-2086.

ROOM SERVICE FURNITURE



special: 4 drawer pine chest \$49



2261 Mass Ave
N. Cambridge
492-1816

solid value.

ROSH HASHANA SERVICES
5743/1982

Sponsored by MIT Hillel, 312 Memorial Drive, 253-2982
* Tickets are required for all services. Students can pick up free tickets at Hillel office before September 16. Faculty & staff call for ticket information.

REFORM (Chapel)
Friday, September 17, 8:00pm
Saturday, September 18, 10:00am

CONSERVATIVE (Student Center, Sala de Puerto Rico)
Friday, September 17, 6:15pm
Saturday, September 18, 8:30am & 7:00pm
Sunday, September 19, 8:30am & 7:00pm

ORTHODOX (Student Center, Mezzanine Lounge)
Friday, September 17, 6:15pm
Saturday, September 18, 8:30am & 7:00pm
Sunday, September 19, 8:30am & 7:00pm

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

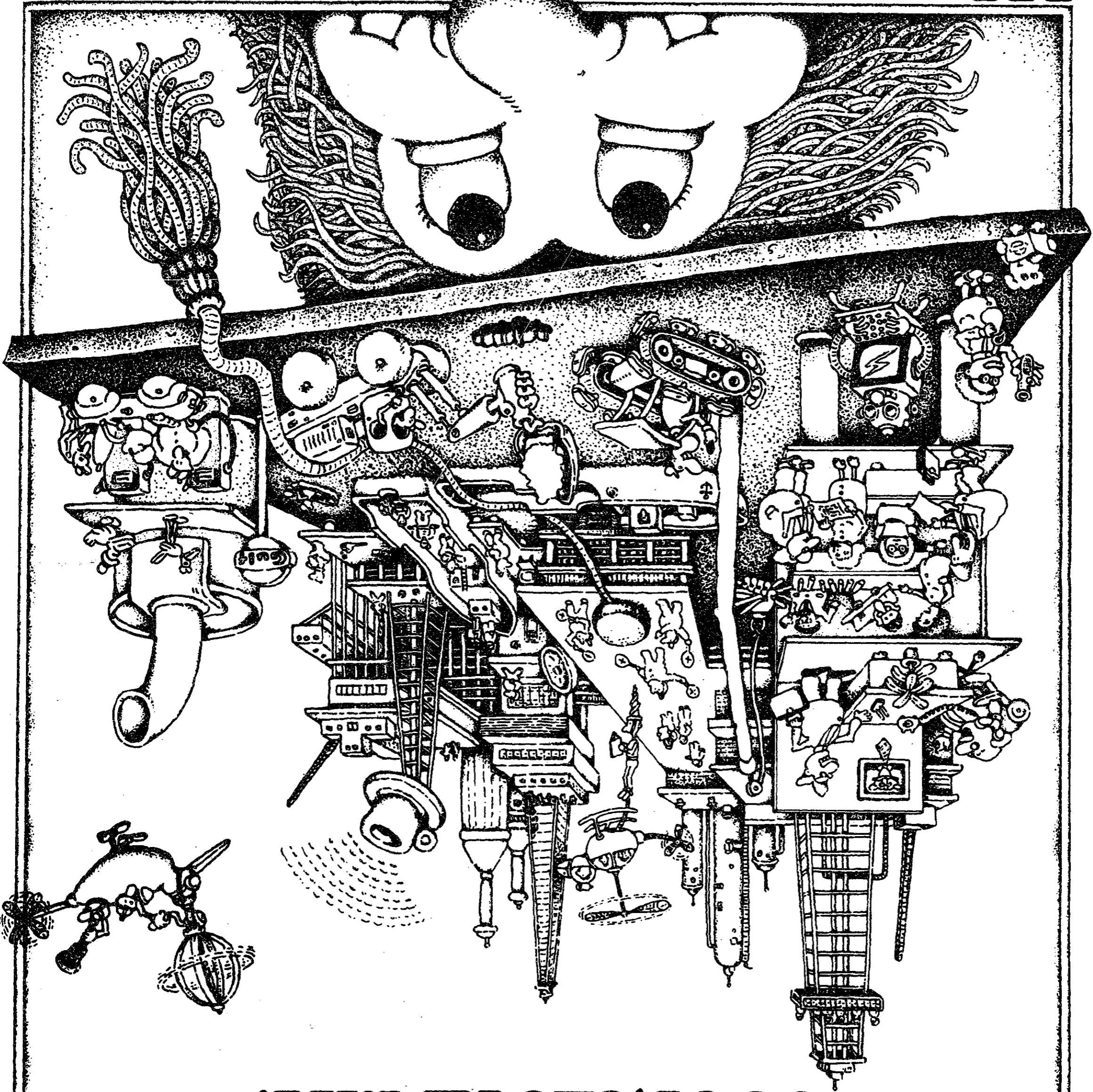
Columns are usually written by members of *The Tech* staff and represent the opinion of the author, and not necessarily that of the rest of the staff.

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

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

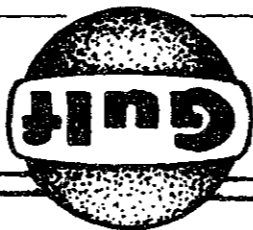
DATES: OCTOBER 12 & 13 Chemical Eng. & Comp. Sci. Majors

We're Gulf Oil Corporation. And we'll be on campus to look for something very much in demand these days. New energy. Specifically, new human energy. The fast-changing energy field will continue to be one of the most exciting and rewarding places to launch a career. Into the eighties, and beyond. And Gulf has exceptional opportunities for new people with new ideas about solving energy problems. Sign up for an appointment now at your placement office. And pick up some Gulf literature for background information. Because this year promises to be a great year for new energy. And we can't think of a better place to look than here.



WE'RE TAPPING NEW ENERGY SOURCES AT MIT.

G U L F · E N E R G Y · C R E A T I N G · E N E R G Y



arts

Off the Beaten Groove

Off the Beaten Groove is a weekly feature devoted to new, independent, avant-garde, punk, or non-mainstream music. Although the column will usually consist of record reviews, an occasional concert review or career retrospective may appear. This term, OTBG returns with a story form America's heartland...

Song of the Bailing Man, Pere Ubu on Rough Trade Records.

It's hard to believe that America's best avant-garde band hails from Cleveland, but then again, one would expect a burnt-out industrial city to produce a group that has been called "the minstrels of the industrial age." Pere Ubu was formed in 1976 by Peter Laughner (Cleveland's most prominent punk), who named his group after the protagonist in a cycle of plays by French absurdist playwright Alfred Jarry. Laughner's subsequent death deprived us of one of the country's first punks, but at the same time radically altered the musical direction of his fledgling ensemble. The band became a collective fronted by their beatnik-behemoth lyricist David Thomas, and the release of their first album, *The Modern Dance*, marked the beginning of a new chapter in art music.

The album was fueled by Laughner's manic energy and suffused with the harsh, willful sounds of the industrial age. The songs "Non-Alignment Pact," "Life Stinks," and "Street Waves" established *The Modern Dance* as an underground classic, a reputation it still enjoys. Unfortunately, it never became more than an underground hit, and was soon relegated to the cutout bins. Ubu's later signing with Chrysalis records didn't increase their popularity; the second album, *Dub Housing*, sank without a trace, prompting Chrysalis to release the third album (*New Picnic Time*) on an import-only basis. Neither record suffered from a lack of good material

— they were well received critically — but the audience for Pere Ubu's music just wasn't very large.

The situation took a turn for the better in 1980 when the Ubunauts signed on with Rough Trade, the British record collective that championed the post-punk movement — a movement that recognized Ubu as founding fathers. By this time, however, the group had drifted off into the avant-garde stratosphere, abandoning the more traditional song structures of their earlier works for impressionistic soundscapes and Thomas's increasingly bizarre observations about the world. The new sound, as set forth on *The Art of Walking*, did much to cement Ubu's reputation as experimentalists, but even the staunchest fans longed for the band to return to its original industrial values.

The values have returned, in the form of *Song of the Bailing Man*. Pere Ubu sounds rejuvenated, offering tunes that strike the perfect balance between industrialism and impressionism. *Bailing Man* is the first album since *Dub Housing* that was not written in the studio. The band rehearsed the new material over the course of last winter's small tour, resulting in a much tighter recorded sound. Thomas explained: "We wanted to introduce new musical themes, but not alien or 'adopted' ones. We wanted to bring order and discipline back into the music and lyrics. We wanted to 'air out' the melodies and rhythmic structures. We wanted to have realized the band's potential in the studio. We wanted to work with a producer, and we wanted to retain the continuum of the group's development as a persona."

One listen to *Bailing Man* proves that Pere Ubu has succeeded admirably, producing their most cohesive set to date. The frenetic pace of "The Long Walk Home" leads off the record, immediately exhibit-

ing the difference that is made by the addition of new drummer Anton Fier (formerly of the Feelies and the Lounge Lizards). He alternates between propelling the beat straight down the middle and providing jazzy extrapolations, and provides the odd bit of piano and marimba. Fier also is responsible for two of the album's finest moments: "The Long Walk Home," and the mini-epic "A Day Such As This," a *tour de force* for his extraordinary percussion talents.

Each member has his own contribution to make: Bassist Tony Maimone adds the hectic bits, while Thomas and guitarist Mayo Thompson add the requisite impressionism. The most marked change, however, is in Thomas's lyrics, which finally make sense; perhaps this is inspired by his work for the Jehova's Witnesses. He makes eloquent observations about simple things ("It brings a tear to the eye/ To see the kind of trust/ That bears many strains") and manages to poke a bit of fun at himself:

Today,
Dear poet,
We must insist on more —
More than the ordinary
Turn of phrase,
Other than the usual
Stock in trade

All of the individual elements (including some amazing sounds from synth wizard/visionary Allen Ravenstine) make *Song of the Bailing Man* the most enjoyable Pere Ubu album yet. Although their sound is definitely an acquired taste, the work necessary to understand their music as worth it. The novice is urged to begin with *The Modern Dance* (now on Rough Trade Records), the fan is urged to get *Bailing Man* immediately!

David Shaw



pere ubu's david thomas



(photos by david shaw)



lone rhino

Lone Rhino, Adrian Belew on Island Records.

Adrian Belew has been a very busy man. From his discovery in 1976 by Frank Zappa, through his recording with David Bowie and the Talking Heads, to his current position as singer/guitarist for King Crimson, Belew has almost overnight become the brightest new guitar talent and one of the most in-demand session guitarists. His first solo album, *Lone Rhino*, is the culmination of his long apprenticeship and a showcase for his considerable talents.

Hardly the guitar-hero-takes-four-ten-minute-solos album, *Rhino* shows Belew to be a well-rounded musician with diverse

influences and enough of a sense of humor to prevent himself from taking things too seriously. The record is neatly divided between what I call "homage" songs and original material recorded with his band Ga-Ga. The homage songs are hardly rip-offs, but instead tunes that clearly exhibit Belew's influences. The frantic pace and montage editing of "Aidias in Heat" owes much to mentor Frank Zappa while "Animal Grace" is reminiscent of his recent efforts with King Crimson.

When left to his own devices, Belew never ceases to amaze. He provides some straight-out rock 'n' roll ("The Momur") a big band styled piece ("Swingline") and even a meditative moment ("The Man in

the Moon"). The icing on this surprise cake, however, is his command of the sounds available from the electric guitar. His Telecaster can roar like a rhinoceros, squeal like a seagull, hiss like a cat, and provide a whole menagerie on request. The cuts "Naive Guitar" and "Hot Sun" art soundscapes constructed solely from his sonic repertoire that display his "serious" compositional side.

Never before have I found a solo guitar album as enjoyable as *Lone Rhino*, and I probably won't hear another until Adrian releases his second. In the meantime, you'll find *Lone Rhino* more fun than a trip to the zoo.

David Shaw

on the town

Star Wars, in mind-boggling Dolby Stereo®! Friday at 7 & 10 in Kresge, 8 & 11 in 26-100; also Saturday at 2pm in 26-100
Double Indemnity (Classic), Friday, 7:30, 10-250.

Chariots of Fire, Saturday, 7 & 10, Kresge.

Cabaret, Sunday, 6:30 & 9:30, 26-100.

Off the Wall presents its **Second Annual Animation Festival**, with part one currently showing *Cartoons of Shame: Animated Stereotypes*, a selection of entertaining and embarrassing presentations of racial stereotypes. Shows are daily at 7:30 & 9:35, plus Sat.-Sun. at 2:15 and 4:20. For prices and further information call 354-5678.

The **Boston Musica Viva** invites you to an open rehearsal of *Ikarus*, a laser sky opera redesigned and adapted for indoor space by Paul Earls. The rehearsal will take place on Monday, September 13, at 8pm in the Kresge Little Theatre, and will be the only U.S. performance before the group departs for Austria. The rehearsal is free and open to the public, seating limited.

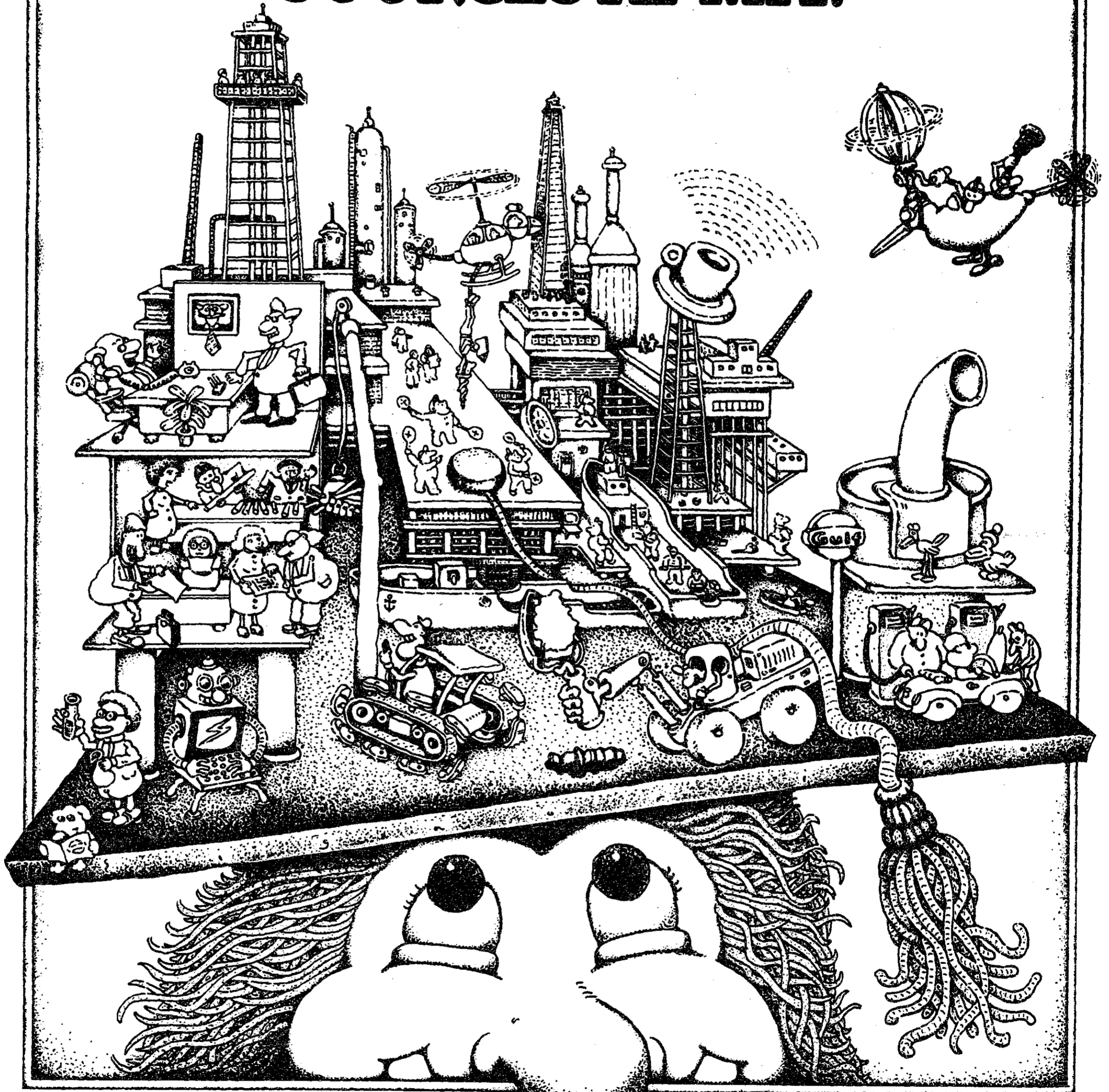
The MIT Musical Theatre Guild presents Stephen Sondheim's *Company*, in the Kresge Little Theatre. Performances on September 10 & 11 at 8pm. Tickets are \$5/\$3 with MIT ID, available in Lobby 10 or at the door. For information and reservations call x3-6294.

The Hasty Pudding Theatre presents **Hair**, the American Tribal Love Rock Musical. Performances are at the Theatre on 12 Holyoke Street, Cambridge; tickets are \$8 and \$6; performances begin at 8pm Tuesday-Saturday, and at 3pm on Sunday. For more information call 497-5477.

The **Barton Square Playhouse** presents two special benefit performances of *Key Exchange*, a comic and truly "modern romance" by Kevin Wade, on September 10 & 11 at 8pm. Admission is \$10, all proceeds to benefit the Barton Square Playhouse. For information and reservations, call 744-0114.

G U L F · E N E R G Y **Gulf** C R E A T I N G · E N E R G Y

WE'RE TAPPING NEW ENERGY SOURCES AT MIT.



We're Gulf Oil Corporation. And we'll be on campus to look for something very much in demand these days. New energy. Specifically, new human energy. The fast-changing energy field will continue to be one of the most exciting and rewarding places to launch a career. Into the eighties, and beyond. And Gulf has exceptional opportunities for new people with new ideas about solving energy problems.

Sign up for an appointment now at your placement office. And pick up some Gulf literature for background information. Because this year promises to be a great year for new energy. And we can't think of a better place to look than here.

DATES: OCTOBER 12 & 13
Chemical Eng. & Comp. Sci. Majors

arts

Off the Beaten Groove

Off the Beaten Groove is a weekly feature devoted to new, independent, avant-garde, punk, or non-mainstream music. Although the column will usually consist of record reviews, an occasional concert review or career retrospective may appear. This term, OTBG returns with a story form America's heartland...

Song of the Bailing Man, Pere Ubu on Rough Trade Records.

It's hard to believe that America's best avant-garde band hails from Cleveland, but then again, one would expect a burnt-out industrial city to produce a group that has been called "the minstrels of the industrial age." Pere Ubu was formed in 1976 by Peter Laughner (Cleveland's most prominent punk), who named his group after the protagonist in a cycle of plays by French absurdist playwright Alfred Jarry. Laughner's subsequent death deprived us of one of the country's first punks, but at the same time radically altered the musical direction of his fledgling ensemble. The band became a collective fronted by their beatnik-behemoth lyricist David Thomas, and the release of their first album, *The Modern Dance*, marked the beginning of a new chapter in art music.

The album was fueled by Laughner's manic energy and suffused with the harsh, willful sounds of the industrial age. The songs "Non-Alignment Pact," "Life Stinks," and "Street Waves" established *The Modern Dance* as an underground classic, a reputation it still enjoys. Unfortunately, it never became more than an underground hit, and was soon relegated to the cutout bins. Ubu's later signing with Chrysalis records didn't increase their popularity; the second album, *Dub Housing*, sank without a trace, prompting Chrysalis to release the third album (*New Picnic Time*) on an import-only basis. Neither record suffered from a lack of good material

— they were well received critically — but the audience for Pere Ubu's music just wasn't very large.

The situation took a turn for the better in 1980 when the Ubunauts signed on with Rough Trade, the British record collective that championed the post-punk movement — a movement that recognized Ubu as founding fathers. By this time, however, the group had drifted off into the avant-garde stratosphere, abandoning the more traditional song structures of their earlier works for impressionistic soundscapes and Thomas's increasingly bizarre observations about the world. The new sound, as set forth on *The Art of Walking*, did much to cement Ubu's reputation as experimentalists, but even the staunchest fans longed for the band to return to its original industrial values.

The values have returned, in the form of *Song of the Bailing Man*. Pere Ubu sounds rejuvenated, offering tunes that strike the perfect balance between industrialism and impressionism. *Bailing Man* is the first album since *Dub Housing* that was not written in the studio. The band rehearsed the new material over the course of last winter's small tour, resulting in a much tighter recorded sound. Thomas explained: "We wanted to introduce new musical themes, but not alien or 'adopted' ones. We wanted to bring order and discipline back into the music and lyrics. We wanted to 'air out' the melodies and rhythmic structures. We wanted to have realized the band's potential in the studio. We wanted to work with a producer, and we wanted to retain the continuum of the group's development as a persona."

One listen to *Bailing Man* proves that Pere Ubu has succeeded admirably, producing their most cohesive set to date. The frenetic pace of "The Long Walk Home" leads off the record, immediately exhibit-

ing the difference that is made by the addition of new drummer Anton Fier (formerly of the Feelies and the Lounge Lizards). He alternates between propelling the beat straight down the middle and providing jazzy extrapolations, and provides the odd bit of piano and marimba. Fier also is responsible for two of the album's finest moments: "The Long Walk Home," and the mini-epic "A Day Such As This," a *tour de force* for his extraordinary percussion talents.

Each member has his own contribution to make: Bassist Tony Maimone adds the hectic bits, while Thomas and guitarist Mayo Thompson add the requisite impressionism. The most marked change, however, is in Thomas's lyrics, which finally make sense; perhaps this is inspired by his work for the Jehova's Witnesses. He makes eloquent observations about simple things ("It brings a tear to the eye/ To see the kind of trust/ That bears many strains") and manages to poke a bit of fun at himself:

Today,
Dear poet,
We must insist on more —
More than the ordinary
Turn of phrase,
Other than the usual
Stock in trade

All of the individual elements (including some amazing sounds from synth wizard/visionary Allen Ravenstine) make *Song of the Bailing Man* the most enjoyable Pere Ubu album yet. Although their sound is definitely an acquired taste, the work necessary to understand their music as worth it. The novice is urged to begin with *The Modern Dance* (now on Rough Trade Records), the fan is urged to get *Bailing Man* immediately!

David Shaw



pere ubu's david thomas



(photos by david shaw)



lone rhino

Lone Rhino, Adrian Belew on Island Records.

Adrian Belew has been a very busy man. From his discovery in 1976 by Frank Zappa, through his recording with David Bowie and the Talking Heads, to his current position as singer/guitarist for King Crimson, Belew has almost overnight become the brightest new guitar talent and one of the most in-demand session guitarists. His first solo album, *Lone Rhino*, is the culmination of his long apprenticeship and a showcase for his considerable talents.

Hardly the guitar-hero-takes-four-ten-minute-solos album, *Rhino* shows Belew to be a well-rounded musician with diverse

influences and enough of a sense of humor to prevent himself from taking things too seriously. The record is neatly divided between what I call "homage" songs and original material recorded with his band Ga-Ga. The homage songs are hardly rip-offs, but instead tunes that clearly exhibit Belew's influences. The frantic pace and montage editing of "Adidas in Heat" owes much to mentor Frank Zappa while "Animal Grace" is reminiscent of his recent efforts with King Crimson.

When left to his own devices, Belew never ceases to amaze. He provides some straight-out rock 'n' roll ("The Momur") a big band styled piece ("Swingline") and even a meditative moment ("The Man in

the Moon"). The icing on this surprise cake, however, is his command of the sounds available from the electric guitar. His Telecaster can roar like a rhinoceros, squeal like a seagull, hiss like a cat, and provide a whole menagerie on request. The cuts "Naive Guitar" and "Hot Sun" art soundscapes constructed solely from his sonic repertoire that display his "serious" compositional side.

Never before have I found a solo guitar album as enjoyable as *Lone Rhino*, and I probably won't hear another until Adrian releases his second. In the meantime, you'll find *Lone Rhino* more fun than a trip to the zoo.

David Shaw

on the town

Star Wars, in mind-boggling Dolby Stereo®! Friday at 7 & 10 in Kresge, 8 & 11 in 26-100; also Saturday at 2pm in 26-100
Double Indemnity (Classic), Friday, 7:30, 10-250.

Chariots of Fire, Saturday, 7 & 10, Kresge.
Cabaret, Sunday, 6:30 & 9:30, 26-100.

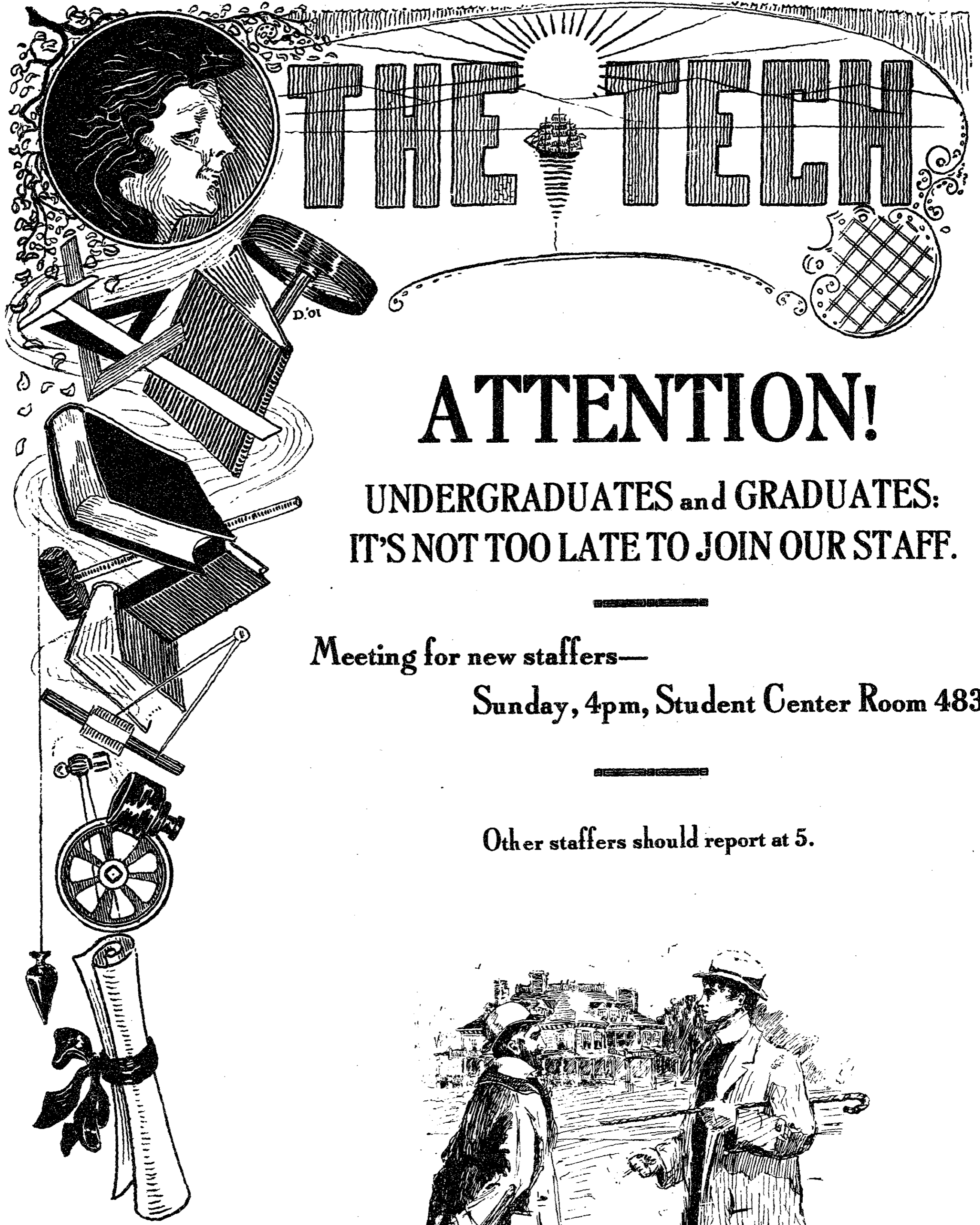
Off the Wall presents its **Second Annual Animation Festival**, with part one currently showing *Cartoons of Shame: Animated Stereotypes*, a selection of entertaining and embarrassing presentations of racial stereotypes. Shows are daily at 7:30 & 9:35, plus Sat.-Sun. at 2:15 and 4:20. For prices and further information call 354-5678.

The **Boston Musica Viva** invites you to an open rehearsal of *Ikarus*, a laser sky opera redesigned and adapted for indoor space by Paul Earls. The rehearsal will take place on Monday, September 13, at 8pm in the Kresge Little Theatre, and will be the only U.S. performance before the group departs for Austria. The rehearsal is free and open to the public, seating limited.

The MIT Musical Theatre Guild presents Stephen Sondheim's *Company*, in the Kresge Little Theatre. Performances on September 10 & 11 at 8pm. Tickets are \$5/\$3 with MIT ID, available in Lobby 10 or at the door. For information and reservations call x3-6294.

The Hasty Pudding Theatre presents **Hair**, the American Tribal Love Rock Musical. Performances are at the Theatre on 12 Holyoke Street, Cambridge; tickets are \$8 and \$6; performances begin at 8pm Tuesday-Saturday, and at 3pm on Sunday. For more information call 497-5477.

The **Barton Square Playhouse** presents two special benefit performances of *Key Exchange*, a comic and truly "modern romance" by Kevin Wade, on September 10 & 11 at 8pm. Admission is \$10, all proceeds to benefit the Barton Square Playhouse. For information and reservations, call 744-0114.



THE TECH

ATTENTION!

**UNDERGRADUATES and GRADUATES:
IT'S NOT TOO LATE TO JOIN OUR STAFF.**

Meeting for new staffers—

Sunday, 4pm, Student Center Room 483.

Other staffers should report at 5.



PERCY HARVARD: "So you're working your way through college, are you?"
CHARLIE TECH: "Yes; I go to Tech."

Gray foresees MIT budget cuts

By Jerri-Lynn Scofield

Faced with continuing budget constraints, MIT will have to cut funding for its administration, its academic departments, and its independent laboratories, according to President Paul E. Gray

54. "[Provost] Francis Low and the deans will be working through this fall an evaluation of the departments and interdepartmental laboratories to answer the very difficult questions of where

to make budget cuts," Gray observed.

No academic programs will be cut entirely, Gray noted, but he indicated it would be very difficult to reduce all programs equally.

"You can not, and should not, attempt to reduce budgets by some across the board measure," Gray said. "You end up with the same programs, all a little weaker."

The task of evaluating MIT's programs is quite difficult, Gray noted, because "you're measuring uncommensurables."

He emphasized it is important for those reviewing MIT's financial commitments to develop "clear measures of what is important and what isn't" in support services. "We ought to be sure we are as lean as we can be on the support side before we make any cuts on the academic side."

MIT is building new facilities, such as the \$28 million Arts and Media Technology Center, at a time of severe fiscal constraints because "when it comes to using money, the money itself is not fungible," Gray asserted. Funds must be used for the purpose they were donated.

"If we had not decided to build that building [the Arts and Media Technology Center]," he added, "very little of that money would have come to MIT... The raising of the money for that purpose does not represent a diversion" from more direct student needs, such as financial aid.

City council to discuss MIT chemical spillage

(Continued from page 1)

The phenol and ten to twelve bottles of other chemicals also found in the compactor should have been taken from the laboratory to a waste disposal building by the MIT Safety Office, Fresina said. From there, the chemicals would have been removed by

a private contractor for disposal. Cambridge firemen covered the area near the compactor with sand to absorb the chemicals and diked a nearby drain with sand to prevent drainage, Doherty's memo stated.

A private contractor disposed of the chemicals the next morning, according to Doherty.

The incident was a "rare occurrence," Fresina said. "It was never intended that these chemicals go out as rubbish."

Fresina said the mayor was concerned because the chemicals came from a building where recombinant DNA research is conducted, but Fresina described the chemicals as "garden variety," adding there were no "biologicals" with them. "Biologicals are disposed of differently anyway. They are not just carted away," he said.

"Mr. Fresina... cooperated fully with this department in resolving this matter in an expeditious manner," Doherty said in his memo.

notes

Announcements

The MIT Libraries will hold a one-day book sale starting 10 am on Tuesday, September 21 at the Hayden Gallery (14W-111).

Lectures

Gaston R. Levy will speak on "Logosophy: Science and Method — a new concept in Education — the child, the adolescent, the youth" at 5:30 pm on Monday, September 13 at the Pan-American Society of New England, 75A Newbury Street, Boston. Call 266-248 for information. Admission is free.

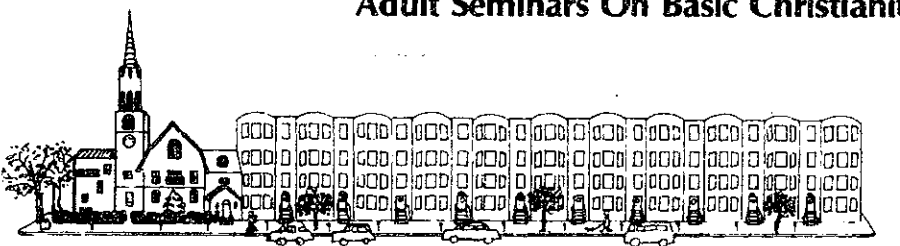
Off Campus

Persons trying to quit smoking, or overcome fears of speaking in public or of flying may be helped by the hypnosis program at Beth Israel Hospital. For information call 735-4738

The Cambridge Center for Adult Education will present a full range of events this fall. For information on poetry readings, music, lectures, game nights, movies, and performances call 547-6789.

RUGGLES BAPTIST CHURCH

Sunday School — 9:15 a.m.
 Sunday Worship — 10:30 a.m.
 Bible Studies Throughout The Week
 Adult Seminars On Basic Christianity



874 Beacon Street, Boston, Massachusetts, 02215, Telephone (617) 266-3633

**STUDENT ART ASSOCIATION
 FALL CLASSES**

Register now thru Sept. 20 for classes or studio use in:

Photography	Ceramics
Drawing	Etching
Silkscreen	Watercolor
Stained Glass	Papermaking
Chinese Brush Painting	

Student Center, Rm 429 MIT x3-7019

University Typewriter Co., Inc.

Repairs • Sales • Rentals

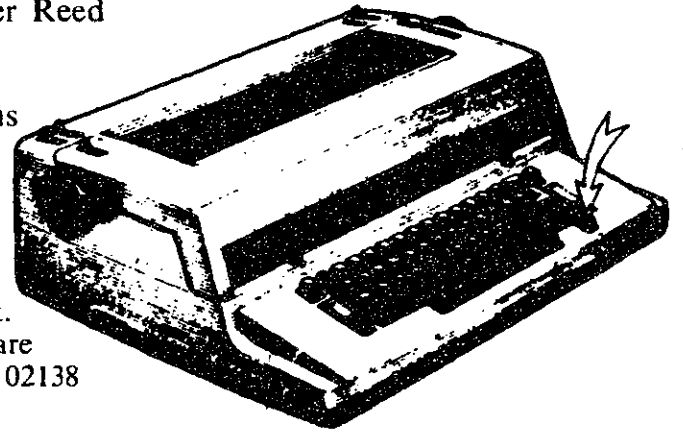
Electronic, Electric, and Manual Typewriters

Olivetti • Brother • Hermes
 Olympia • Silver Reed
 Smith Corona

Quality Ribbons

547-2720
 547-1298

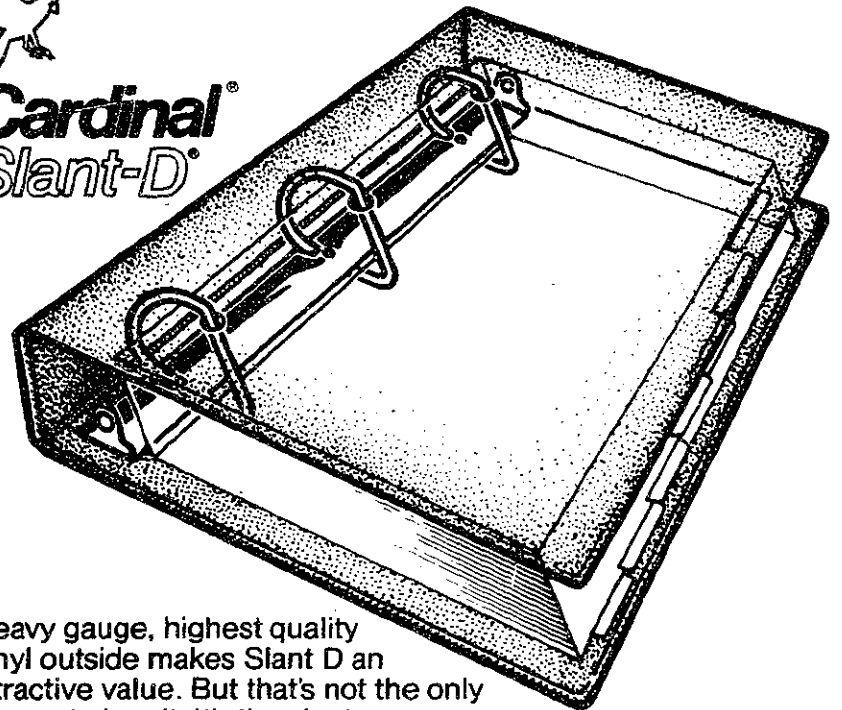
90 Mt. Auburn St.
 At Harvard Square
 Cambridge, MA 02138



You might buy it for its color. You'll love it because it works.



**Cardinal
 Slant-D**



Heavy gauge, highest quality vinyl outside makes Slant D an attractive value. But that's not the only reason to buy it. It's the slant, pages turn easily. Sheet wear is significantly reduced. The cover even folds under completely so it can be used as a notebook. You're gonna love it!

HARVARD COOPERATIVE SOCIETY
 MIT Student Center

**the
 Coop**

We're doing what comes naturally...



PROJECT HOPE

This space donated by The Tech

The Easiest Choice you'll ever make



Peter Vellucci

Peter Vellucci worked for the nuclear weapons freeze.

Peter Vellucci supports women's rights and reproductive freedom.

Peter Vellucci strongly supports the reforms which came out of the "MBM" investigation — the State Ethics Commission, the Financial Disclosure Law, strengthened conflict-of-interest laws.

Peter Vellucci For State Representative
 Democratic Primary, Tuesday September 14

Registered Democratic and Independents are eligible to vote.

Comm. to Elect Peter Vellucci, E. Souza Treas., 657 Cambridge St. 02141, 492-1263



Rep. Michael Lombardi

When the nuclear weapons freeze came up in the Legislature, Lombardi cast the deciding vote for an amendment which sabotaged it.

Lombardi is anti-choice, against affirmative action, and even voted against the right of a married woman to choose to keep her own name.

Representative Lombardi voted against all of them, and was one of the few representatives to vote against funding the investigation at all.

(Paid Advertisement)

Final dormitory crowding data are still uncertain, says ODSA

By Richard Mlynarik

The dormitory housing situation is still in "a state of flux" because the system is still compensating for freshmen and upperclassmen who have not arrived at MIT, according to Associate Dean for Student Affairs Robert A. Sherwood.

Sherwood predicted approximately 20 freshmen would not attend the Institute, making a total freshman class about 1110. Before Residence/Orientation week 1132 freshmen had indicated they would attend MIT.

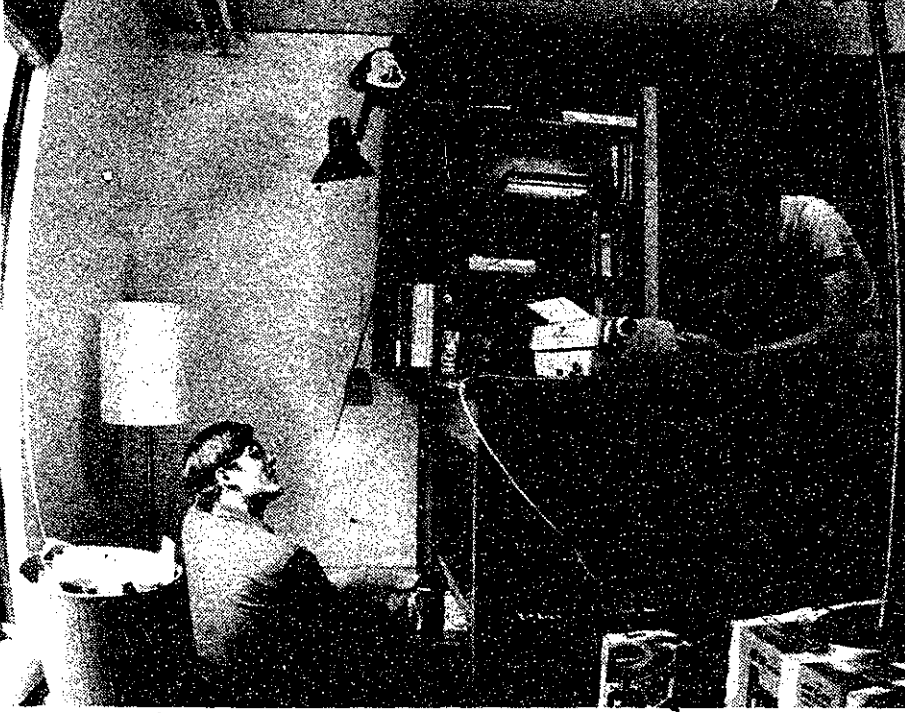
"The individual dormitories are still sorting out their room

assignments, and we don't know the final number of crowded rooms," he added.

The "internal pecking order in the dormitories [to assign] choice singles" will determine the final distribution of crowded freshmen in each dormitory, Sherwood

said.

Dormitory assignment data is undergoing a process of "massaging" and it is too early to give any definitive information, Barbara Chuck, administrative assistant for the Office of the Dean for Student Affairs, explained.



Tech File Photo

Dormitories are once again crowded, despite last year's opening of Next House.

notes

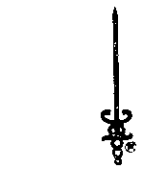
Announcements

Students who have not yet picked up their copy of *Courses and Degree Programs* should do so in Room 4-237.

The American Railway Engineering Association is sponsoring a student paper competition on a subject related railroad engineering. Entry forms may be available from the Civil Engineering Department. For more information write Mr. Charles Chambers, Railco Multi Construction, Inc., 13939 SW Edy Rd., Sherwood, OR 97140.

Course 17.207, Seminar on Health Policy, was inadvertently omitted from the course listing. The class will meet this term on Mondays from four to six pm in room E51-317. Seminar on Health Policy is jointly taught by Harvey M. Sapolsky and Stant Finkelstein.

SHARE THE COST OF LIVING.



GIVE TO THE AMERICAN CANCER SOCIETY.

This space donated by The Tech

Thank Q.

How do we Thank Q? Let us count the ways

Thank Q for
BEST PRICES
BEST EQUIPMENT
JET-FAST SERVICE
 on the finest
NEW & USED HIFI

in the world, like
 HARPER GRACE REGA MCINTOSH
 THORENS OLAD PYRAMID
 API/HOLMAN NAD DYNACO
 JANS DENNISEN MICRO ACOUSTICS
 CANTALUCCI DISC/WASHER STAY KRELL
 VAMPIRE MIT LAST AUDIO TECHNICA
 DE BIK FIDELITY RESEARCH FRIED
 LIVE WIRE CITEK KL'NE NITTY GRITTY
 GRADO SONEY NAKAMICHI
 TANDBERG REVOX SVELL DYNAVECTOR
 MONSTER SOUND CONCEPTS & MUCH MORE...

Thank Q Because We
BUY SELL TRADE
CONSIGN BROKER

Thank Q for QUEST, the private eye for hifi
 Looking for a particular piece of equipment? New,
 used or collector's. It's likely that our vast network of
 sources will enable us to track it down. Hire the best.
 Call QUEST

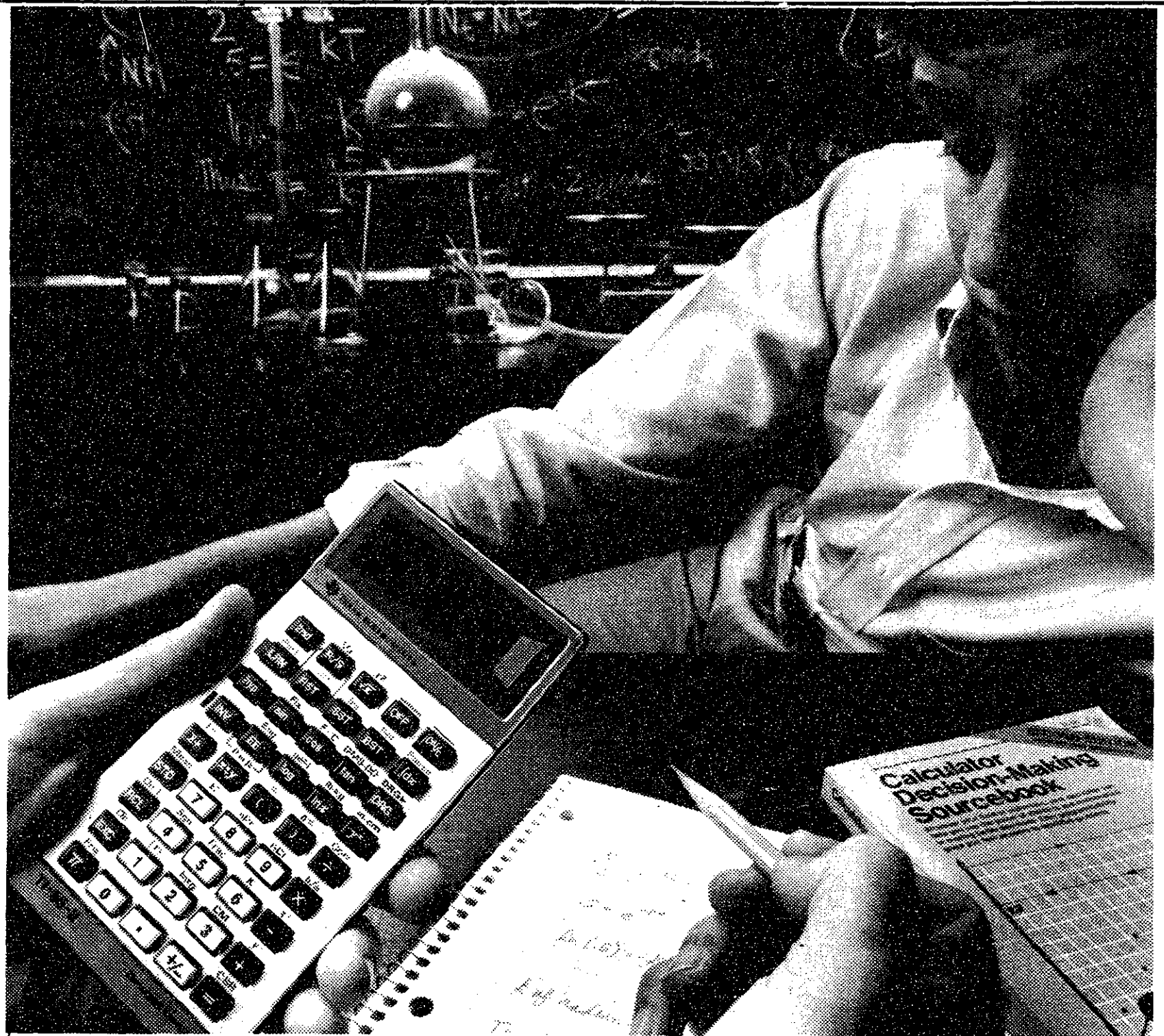
We'd like to Thank You, our valued customers, who
 have helped us become one of the world's finest
 sources for new and used audio

WORLDWIDE SHIPPING

Q Audio.

There is no comparison.
 95 Vassar St. Cambridge, MA 02139
617-547-2727

Send \$2 for our NEW, expanded Catalog.



Get to the answers faster. With the TI-55-II.

What you need to tackle the higher mathematics of a science or engineering curriculum are more functions—more functions than a simple slide-rule calculator has.

Enter the TI-55-II, with 112 powerful functions. You can work faster and more accurately with the TI-55-II, because it's preprogrammed to perform complex calculations—like definite integrals, linear regression

and hyperbolic—at the touch of a button. And it can also be programmed to do repetitive problems without re-entering

the entire formula.

Included is the *Calculator Decision-Making Sourcebook*. It makes the process of using the TI-55-II even simpler, and shows you how to use all the power of the calculator.

Get to the answers faster. Let a TI-55-II show you how.



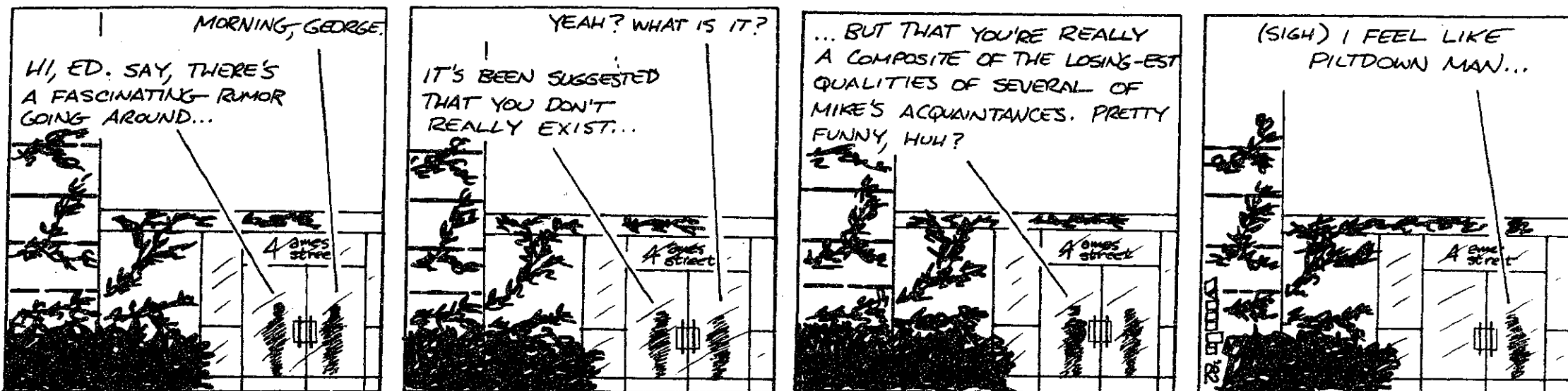
TEXAS INSTRUMENTS

©1982 Texas Instruments



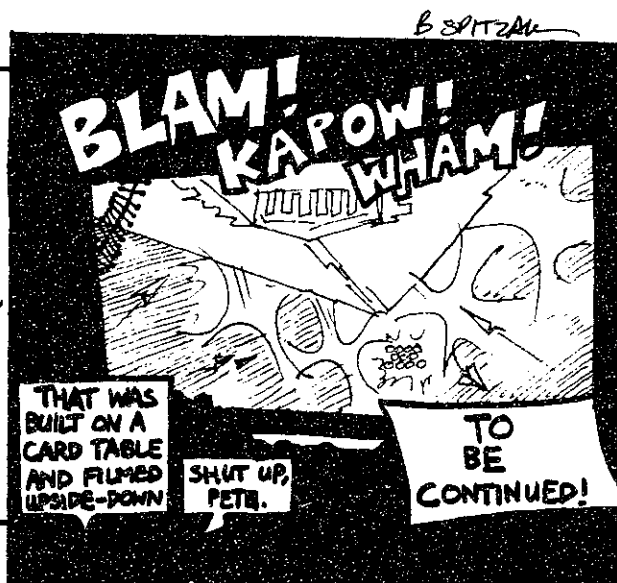
comics

Outside Looking In
By V. Michael Bove



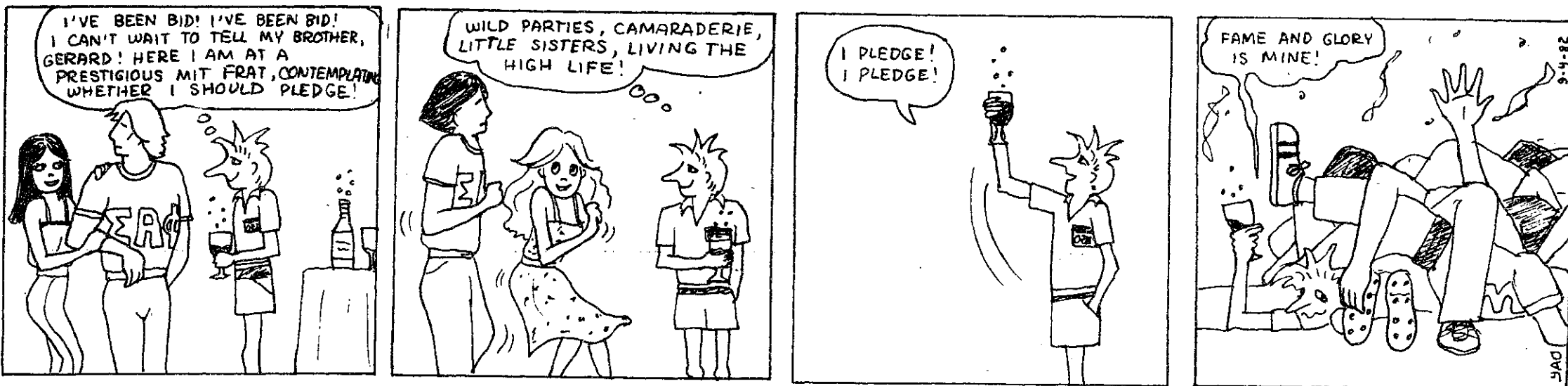
SATIRE WARS

Quite awhile ago, and some distance away...



Space Epic
By Bill Spitzak

Room 001
By Carol Yao



FOAM MATTRESSES and CUSHIONS

Cut To Order At No Extra Charge

- All Sizes
- All Qualities
- Lowest Prices
- Zip On Covers

Platform Beds

FROM \$89.95



FOAM RUBBER DISCOUNT CENTER

165 Brighton Ave., Allston
254-4819

Graduate Student Council

ORIENTATION DANCE

Friday, September 10, 1982

9:00pm

Faculty Lounge

Sloan School

50 Memorial Dr.

E52 6th Floor

"The other famous drink from Scotland."



McEWAN'S
SCOTCH ALE

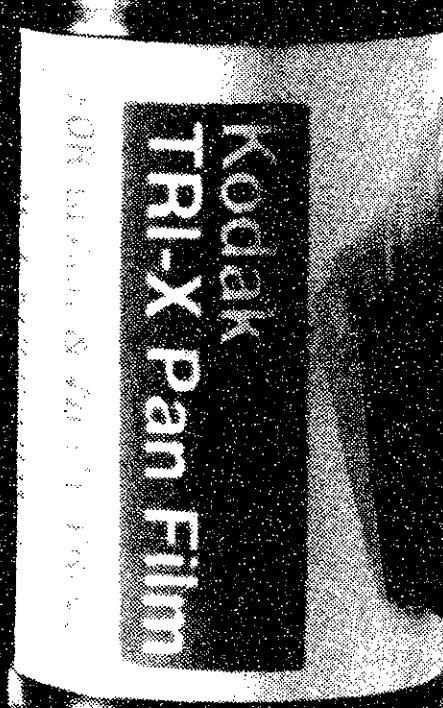
Imported by Scottish Ale Importers, Inc.
1985 North Park Place
Atlanta, Georgia 30339
©Scottish Ale Importers, Inc.
Distributor for Massachusetts
United Liquors, Ltd., (617) 323-0500

1 WEEK ONLY AT SBI

ABSOLUTELY FRESH
KODAK TRI-X
HIGH SPEED
BLACK & WHITE
35mm FILM
36 EXPOSURES

\$1.99

WITH COUPON
OFFER GOOD
SEPT. 10-16

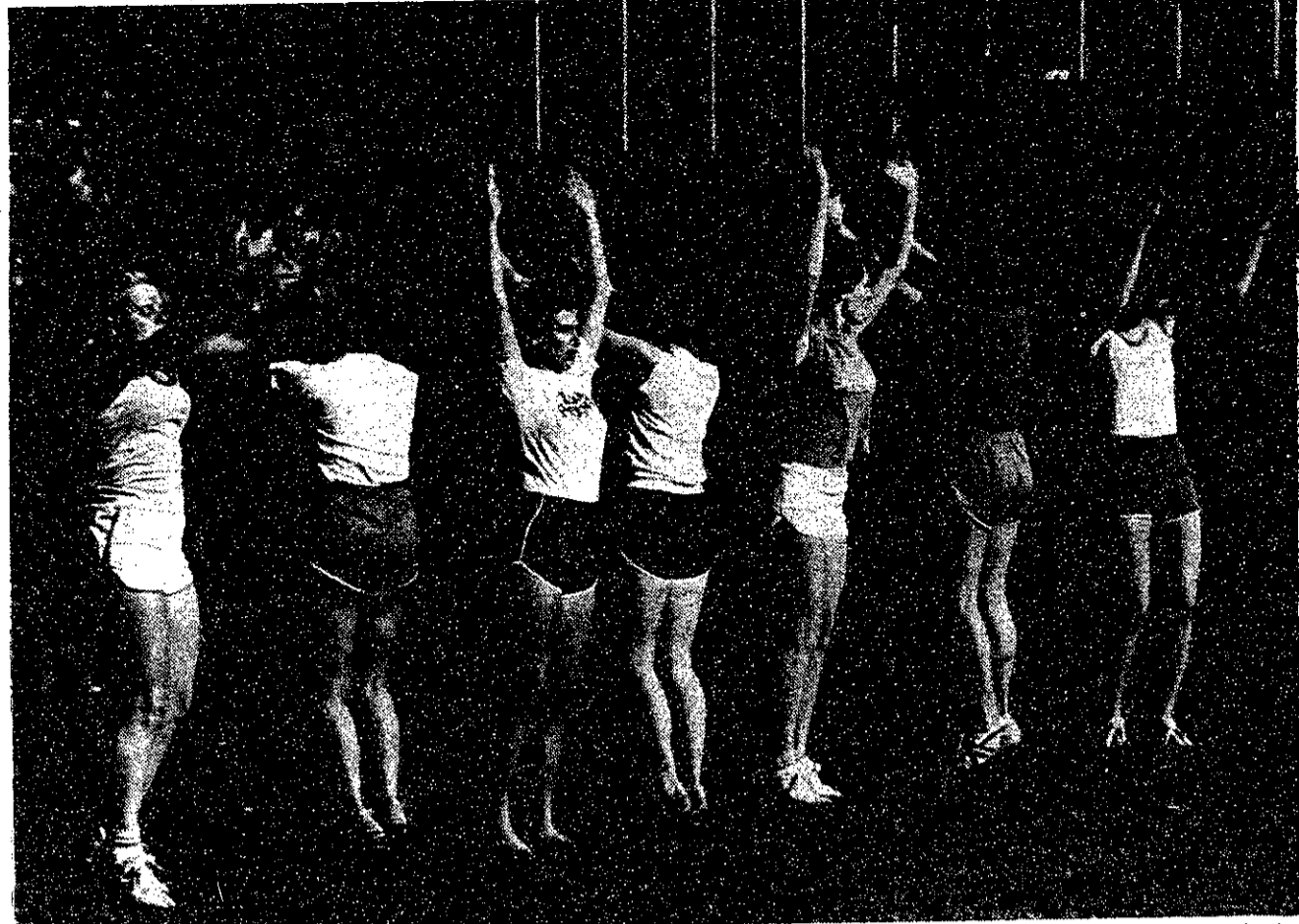


48 Gloucester St.
Boston, MA 02115
266-2633
Just a block away from
the Prudential Center

SBI



BOSTON'S
BEST PHOTO PRICES
FILM—PROCESSING—PAPER—ACCESSORIES



The MIT Football Cheerleaders prepare for Saturday's season opener. The Engineers take on Stonehill at 1:30 pm in Steinbrenner Stadium. Tech Photo by Gerard Weatherby

notes

Off Campus

The Boston Museum of Science has openings for volunteers to work on tours or to teach children. For more information call Estelle Williams at 723-2500, extension 259.

A ceremony honoring the 94th anniversary of the death of Domingo Faustino Sarmiento, the Argentine education, will be held at Noon on Saturday, September 11 at the Sarmiento/Horace Mann monument on Commonwealth Avenue. Call 266-2248 for more information.

Cambridge School Volunteers, Inc. is looking for tutors, classroom aides, and big brothers or big sisters to work in public schools from kindergarden to high school. For more information, call 498-9218.

Juniors and Seniors are invited to apply for internships in Washington, DC, under the auspices of the Washington Center for Learning Alternatives. Interns will work full time for congressional, executive, or judicial of-

fices, public interest organizations, national associations, or private businesses. The deadline for application for the winter program is October 15. For further information, write to The Internship Program, The Washington Center for Learning Alternatives, 1705 DeSales St., NW, Washington, DC 20036.

classified advertising

Back Bay Lux Waterside floor thru Beacon St. Condo. 2 lg. bdrms. 2 baths, lg. detailed living dinrm. frpl, eat in kit, elevator. 1,430 sq ft. moved out of state. priced to sell 155,000 ... 267-0006.

THREE BEDROOM

Back Bay Corner Newbury, Gloucester. No fee on this top floor, sunny, corner apartment; elevator, laundry, hardwood floors; track, recessed, and regular lighting; live-in superintendent. \$890 includes heat, hot water. No fee. 267-2276.

PINAO, THEORY, and COMPOSITION INSTRUCTION

Award-winning pupil of Nadia Boulanger with B.M. and M.M. from Boston University, and M.F.A. and A.B.D. from Harvard Christopher Yavelow, Harvard Square Studio. 497-0275.

NEED ROOMMATE

for modern 2 bedroom apartment behind Prudential. Roofdeck, wall-to-wall carpet. \$375/month including utilities. 15-minute bus to MIT. Available now. Call KIAN, evenings 262-4152.

Want to succeed in the class room? Want to be rich? Want to be successful? For more information write to: JOE CAMPBELL ASSOCIATES, 26 Drivers Lane, Laurel Springs, NJ 08021. Sales Reps Wanted.

EXTRA MONEY

National Health & Nutrition Company. Expanding in the area needs campus reps to meet our tremendous growth. EARN \$200.00 - 500.00 per week part time. Choose your own hours. Call Frank or Craig, 938-1680.

Student Sale
Swivel Chair, File Cabinets, Folding Tables
(New and Used)

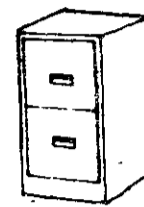
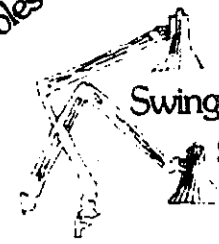


Reg. \$37.99
Sale \$22.50

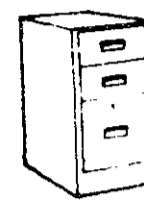
Executive Swivel Chair
Reg. \$110
\$59.99



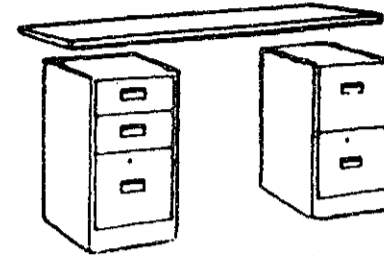
Swing-arm Lamps
Starting at \$15.99



List \$75.95
Sale \$57.99



List \$90.95
Sale \$69.99



Formica Tops
(Available in 3 colors)
\$32.00

Used Student Desks \$50 and up



DIVISION OF WA PELRINE, INC.
CAMBRIDGE OFFICE FURNITURE (617) 876-6790
113 Richards Ave. Cambridge, Ma. 02140. Open Mon-Fri 8-5

ENGINEERING MAJORS HAVE ENOUGH STRESS WITHOUT HAVING TO WORRY ABOUT TUITION.



If one of the angles you've been studying lately is a way to pay your tuition costs, Army ROTC would like to offer some sound advice.

Apply for an Army ROTC scholarship.

Recently, we set aside hundreds of scholarships solely for engineering majors like yourself.

Each one covers full tuition, books and other supplies, and pays you up to \$1,000 each school year it's in effect.

So if the stress of worrying about tuition is bending you out of shape, get some financial support. Apply for an Army ROTC scholarship today.

For more information, contact your Professor of Military Science.

ARMY ROTC. BE ALL YOU CAN BE.

**STOP BY
20E-126
OR CALL
Tom Bortner
253-4471**