



Tech photo by Kevin Smith
The Harvard Crimson, Harvard University's oldest and largest campus newspaper, interviewed the MIT Undergraduate Association's Harvard colonial government for a front page story which ran Wednesday.

Gray speaks on tuition, biotech.

By Ivan Fong

MIT President Paul E. Gray '54 described his personal views of MIT's tuition and student aid and the recent Pajaro Dunes conference on university/industry relations in bioengineering to approximately fifty faculty members at Wednesday's faculty meeting.

Gray expressed considerable concern for the \$4000 equity level set in March. The equity, or self-help level is the amount each student on financial aid must provide for school expenses, independent of the money the Student Financial Aid Office's expected family and summer job contributions.

MIT's equity level is "substantially more than that of competing institutions," said Gray. The college with the next highest equity level has one in the \$3300 to \$3400 range, and the average equity level of about 12 institutions similar to MIT is approximately \$3000, he said.

If President Reagan is able to restrict or eliminate Federal loan programs, Gray noted, the self-help level may continue to rise, resulting in a possible compromise of current aid-blind admissions policies from financial considerations, rather than any Admissions Department decision.

The tuition increases of 19 percent and 16 percent during the last two years were "large by any standard" noted Gray, and were caused in part by unexpected pressures from unforeseen inflation rates. He indicated a second reason for the increases was a strong effort to improve faculty salaries, especially entry-level salaries in the engineering departments. Finally, he said, the completion of the Athletic Center and 500 Memorial Drive strained the operating budget because the building constructions were undertaken without full funding.

Changes in student interests have put pressures on MIT's finances, noted Gray. Less than a decade ago, he said, 30 to 35 percent of all undergraduates were engineering majors; now the percentage is up to almost 70. That shift placed severe burdens

on the Electrical Engineering and Computer Science, Chemical Engineering, and Mechanical Engineering Departments, while

(Please turn to page 7)

Coop Group attacks current management, pricing policies

By Judy Greenspan

Relations remain strained between the Coop Group, a slate of nine students running for the Harvard Cooperative Society (Coop) Board of Directors, and the Coop management. The Coop Group feels the Coop should operate primarily with student interests in mind, while the management maintains business interests should not be secondary.

"I just hope they have the welfare of the Coop in mind and not their own selfish interests," said the President of the Coop and Harvard Professor Milton Brown. They are more concerned with their own "posturing and power" than with better business for the Coop's members, he said. "I have not yet seen them undertake any constructive course of action for the Coop and its members."

"Well, what do they know about serving students?" Eric Reiff, a candidate from the Coop Group, asked. "I wouldn't want to be General Manager of the Coop. We need people like Argeros [General Manager of the Harvard Coop] and Milt Brown; we need their business expertise." But business interests should not supersede student interests, he declared.

Some Coop Group members feel the Society's management simply does not like provocative students on the Board after years of relative harmony between student and non-student members.

"[Brown] is not a stupid man," said Guy Molyneux, a principal organizer of the original Coop Group. "He'd like to return to the old days. [He prefers] passive students. He damn well better get

used to it and take their ideas seriously."

Brown retorted angrily to the Coop Group's basic premise that students need more voice in Coop decisions than in the past: "Input from the students has always been very high. They essentially said that the students did not have a full voice. They couldn't possibly know, because they weren't there."

This year's Coop Group hopes to reduce textbook prices, preventing further Coop expansion into business districts, and preventing anti-union activities should a unionization drive reoccur.

Some of their ideas are making members of the Coop's management uneasy.

"What is disturbing is that these nine people obviously don't have the vaguest idea of how the Coop is running," Brown said.

Student beaten on Ames St.

By John J. Ying

Last Saturday around 2pm, an MIT student was assaulted at the intersection of Ames and Main Streets, according to James Oliveri, Chief of MIT Campus Police.

Campus Police did not release

the victim's identity.

The incident began when the victim inadvertently cut off another car at the traffic circle at the Boston University Bridge and Memorial Drive. Three assailants trailed the victim as he drove along Memorial Drive and turned

Oppenheimer's bomb, and Ordinary people in a Chekhov's seagull. Page 10. Baltimore diner. Page 11.

Faculty approves writing req't, psychology degree

By Ivan Fong

The MIT faculty passed a motion approving a Bachelor of Science degree in Cognitive Science and adopted a set of motions to recommend an Undergraduate Writing Requirement at a monthly meeting of the faculty Wednesday. The Corporation must approve the Writing Requirement before it takes effect in 1983.

The Psychology Department's proposal, presented by Department Head Richard M. Held, was prompted by the emergence of Cognitive Science as a discipline, the minimal cost of implementing such a program, a perceived interest on the part of students and demand on the part of industry, and a \$2.5 million grant from the Sloan Foundation to the Center for Cognitive Science in 1980.

The proposed undergraduate degree program in Cognitive Science, if approved by the MIT Corporation at its June meeting, is scheduled to begin in the fall of 1982. The program has already been approved by the Committee on Educational Policy and the Committee on Curricula, Held indicated.

The faculty approved an amendment, presented by Chairman of the CEP Felix H.

Villars, to change the status of the proposed Committee on the Writing Requirement from a Standing Committee to a Special Committee. Establishing a Standing Committee would have required a change in the Rules and Regulations of the Faculty.

The Special Committee "shall be concerned with the writing proficiency of MIT students ...

[and] review, in close coordination with the Committee on Educational Policy and the Committee on Curricula, related issues of educational policy, oversee implementation of the Writing Requirement, and promote development and coordination of appropriate services and programs," said the amendment.

(Please turn to page 7)

ASA activities censure leaders

By Barry S. Surman

The Association of Student Activities (ASA) General Body voted Wednesday to censure the ASA Executive Committee for "assuming the legislative authority of the [ASA]."

The ASA General Body also voted to overturn an Executive Committee decision to recommend the Undergraduate Association (UA) General Assembly (GA) discontinue funding of the Technology Community Association (TCA) Office Manager and replace the present UA accountant and secretary with a single bookkeeper/receptionist. All of

these questions passed with no dissenting votes.

"I think [Wednesday's meeting] was very constructive," said ASA President Samuel Austin III '82, a member of the censured Executive Committee. "It's about time the ASA did something meaningful for its constituency."

The censure resolution, proposed by Jason Weller '82 and seconded by William York '82, said, "The bounds of the Executive Committee are limited to the executive and judicial functions of the ASA. All resolutions of the ASA should be voted on by the entire body. All decisions of the Executive Committee should be stated as such."

ASA Treasurer Arnold Contreras '83 attempted to thwart the censure motion by moving to adjourn the meeting before a vote could be taken, then by requesting a quorum call. Both maneuvers failed.

The vote to censure will not change the Executive Committee's role, according to ASA Secretary Jonathan Miller '84. The censure "points out the Executive Committee's powers," he explained.

The ASA Executive Committee, Austin said, "will continue to function in the interest of all student activities on this campus, period."

In other business, the ASA elected Vicki Chen '83 to a position on the UA Finance Board and the ASA Executive Committee. Elizabeth Thompson '83 was also elected to the Finance Board.

Thirty representatives of ASA-recognized student activities were among approximately 40 students attending the meeting.

inside

onto Ames Street. The two attackers leaped out of their car and broke the front and rear windows of the victim's car. After beating the victim, the attackers jumped back into their car and fled.

Eyewitnesses called the Cambridge Police Department, who, along with the MIT Campus Police, rushed to investigate. The victim was taken to the MIT infirmary, then transferred to Mount Auburn Hospital. He was released after receiving treatment for a possibly fractured elbow and multiple lacerations.

Cambridge Police are still investigating and as yet have no suspects in the case.

Coop Group challenges current Coop leadership

(Continued from page 1)

up less than 30% of the Coop's total membership... 25,000 Harvard and MIT alumni live or work near the downtown Harvard Club. The Coop had an obligation to serve those alumni."

The nine members comprising the 1982 Coop Group hope to continue a trend begun by the original Coop Group last year.

"I don't feel that we've done a great deal" in the past year, Guy Molyneux said. "The most important thing, we have established a tradition of checking managerial decisions, particularly when the decision will adversely affect the student's interests."

"We're very much the outgrowth of last year's group," Eric Reiff said.

One of the main issues in the Coop Group's platform is the plan to reduce textbook prices, possibly by reducing the Coop's rebate.

"The Coop Group feels you can't just look at the rebate by itself," Reiff commented. "We believe that probably the most important issue is textbook prices. Student interests would dictate selling textbooks vastly cheaper. In order to do this we would have to lower the rebate.

We'd do it only if it would benefit the students."

Brown feels reducing textbook prices would be harmful to the Coop. Golub claimed the Coop, selling at a mark up, lost \$87,000 on textbooks in 1981.

Coop Group members claim the management was openly opposed to a unionization drive last year, and wants to prevent this policy in the future. The union that sought last year to organize Coop employees charged in a National Labor Relations Board case that the Coop management coerced workers in a massive anti-union campaign. The union was defeated by Coop employees 273 to 156. The outcome of the case is not yet known.

"We don't know what the outcome will be," Reiff said. "I'd almost like to say it's likely they're found guilty. We are absolutely committed to not being pro-union, but anti-anti-union," Will McDonough agreed, saying it was "terrible" to coerce workers to vote one way or another.

"We saw the student-union issues as linked," said Meredith Kane, a current Coop Group Board member. "This is our money you are spending on

fighting the unions," she said.

Lars Toomre '82, a current Board member, said the Board concluded that a union would create a more antagonistic atmosphere and was not needed at the Coop. Defeat of the union "was interpreted as a pretty strong denunciation against the union. But equally to have about 150 vote for it meant there were some significant problems."

These problems were considered during the year and

changes were, claimed Toomre. A new personnel manager was hired and a new personnel package devised.

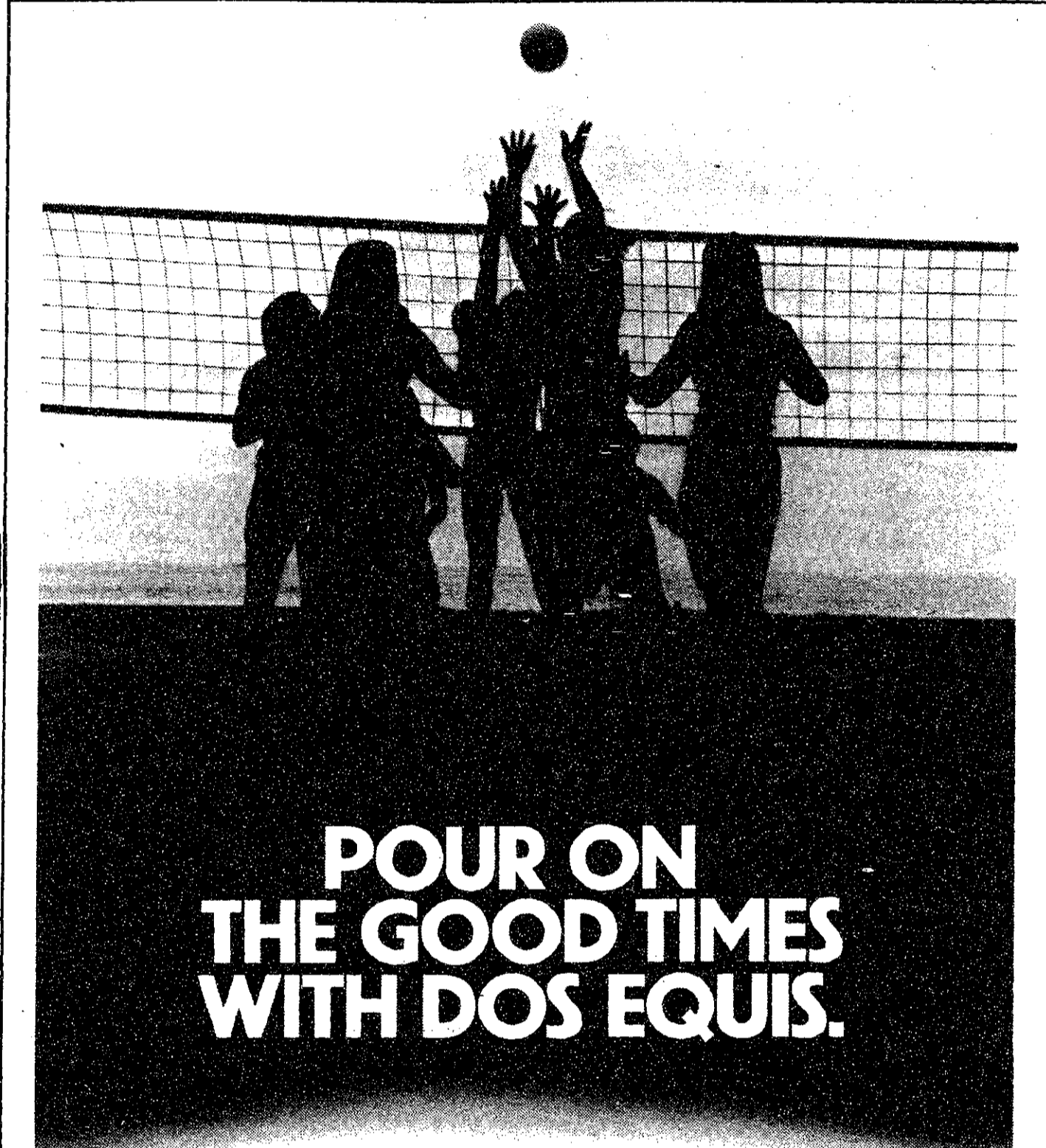
"I have taken no public or private position on a union," Brown said, later adding, "I think... we could operate much better and more easily without a union."

Some student candidates are unfamiliar with both the name and the platform. Gordon Hunter G said, "I haven't heard of them at all."

Technology Wives
CRAFTS FAIRE

BAKED GOODS
CERAMICS
JEWELRY
SILK FLOWERS
APRONS
TOYS ~
MUCH MORE

Lobby of Bld. 10



POUR ON THE GOOD TIMES WITH DOS EQUIS.

Whatever you do, pour it on. Build up a burning thirst, then cool it with ice, cold Dos Equis imported beer. Dos Equis. Uncommon from its rich, amber color to a big, bold taste no other beer can match.

So why settle for ordinary when you can have extraordinary: amber Dos Equis or golden Dos Equis Special Lager.

DOS EQUIS
THE UNCOMMON IMPORT
Amber & Special Lager

WINNER—4 CÉSARS
THE MOST HONORED FRENCH FILM OF 1982!

BEST ACTOR: Michel Serrault
BEST SUPPORTING ACTOR: Guy Marchand
BEST SCREENPLAY
BEST FILM
BEST EDITING

"A TIGHT, PSYCHOLOGICAL THRILLER... STUNNING!"
—Judith Crist, Saturday Review

LINO VENTURA
MICHEL SERRAULT
ROMY SCHNEIDER
in the role of Chassé Mercetand

GARDE A VUE
UNDER SUSPICION

With GUY MARCHAND
Directed by CLAUDE MILLER

"MICHEL SERRAULT (LA CAGE AUX FOLLES) IN A POWERFUL PERFORMANCE THAT WILL ASTOUND YOU!"
—David Drubn

Based on the novel 'BRAINWASH' by JOHN WAINWRIGHT
Screenplay by CLAUDE MILLER and JEAN HERMAN Dialogue by MICHEL AUDIARD
Produced by GEORGE DANCIGERS and ALEXANDRE MINOUCHEINE
© 1981 BEACON HILL COMPANY A FRED BAKER FILMS RELEASE

EXCLUSIVE ENGAGEMENT
BEACON HILL '83
1 Beacon at Tremont 723-8110
STARTS FRIDAY, APRIL 23

news roundup

World

Britain proposes Falklands peace plan — The British has decided to propose a peace plan that would result in Argentinian sovereignty over the Falkland Islands. British Foreign Secretary Francis Pym flew to Washington yesterday to confer with Secretary of State Alexander Haig. "It is important that they, not we, are generally seen as the obdurate lot, the bunch that finally made war inevitable," said one member of Parliament describing the British plans.

Salvadoran rebels continue to receive weapons — Thomas O. Enders, Assistant Secretary of State for Inter-American affairs, said in a hearing before the House of Representatives that leftist guerrillas in El Salvador continue to receive arms from Nicaragua and Cuba. Cubans are using drug trafficking as a cover for shipping arms to Latin America, Enders claimed.

Israeli jets bomb PLO villages in Lebanon — Over twenty were reported dead in Israeli air strikes Wednesday in Lebanon; the bombing broke a nine-month-old truce between Israel and the PLO. The air attack, which reportedly killed 25, followed a land mine explosion in southern Lebanon that killed one Israeli soldier and wounded another. An Israeli spokesman claimed two Syrian jets trying to intercept the bombing raids, both MiG-23's, were shot down.

Nation

Fire in Anaheim leaves thousands homeless — A fire in Anaheim, California, Wednesday morning destroyed four blocks of apartments and left more than 1000 people homeless. At least eight were injured in the blaze, which caused an estimated \$50 million of damage. Fire officials speculated sparks from high voltage wires whipped by 70-mile-per-hour gusts ignited the fire.

Husband wins \$30,000 toxic shock suit — A Federal jury concluded Proctor & Gamble must pay damages to Michael Kehm, whose wife died of toxic shock syndrome contracted from using Rely tampons, manufactured by the company. A spokesman for Proctor & Gamble said, "We have sympathy for Mr. Kehm and his family, and we can understand the jury did too. However, we cannot be satisfied with anything short of Rely's total vindication, and we are reviewing our legal options, including an appeal."

Local

Thousand support building a new Boston arena — Senator Paul E. Tsongas, Mayor Kevin H. White, and Celtics manager Red Auerbach testified in favor of a bill in the Massachusetts General Court to build a \$56.8 million, 16,000 seat sports arena to replace Boston Garden. The bill is co-sponsored by House Speaker Thomas W. McGee (D-Lynn) and Senate President William M. Bulger (D-South Boston). The arena would be built next to Boston Garden, which would be demolished on completion of the new complex.

Tony Zamparutti

How to do well in Economy Class

Simple. Fly Capitol Air's Economy Class. Our fares are the lowest of any scheduled airline so you can use the money you save for lots of other things. Like a Eurail pass if you fly us to Brussels, Frankfurt or Zurich. More time in the sun if you're headed for Miami, San Juan or Puerto Plata. Or for even more fun in New York, Los Angeles, San Francisco, Chicago or Boston.

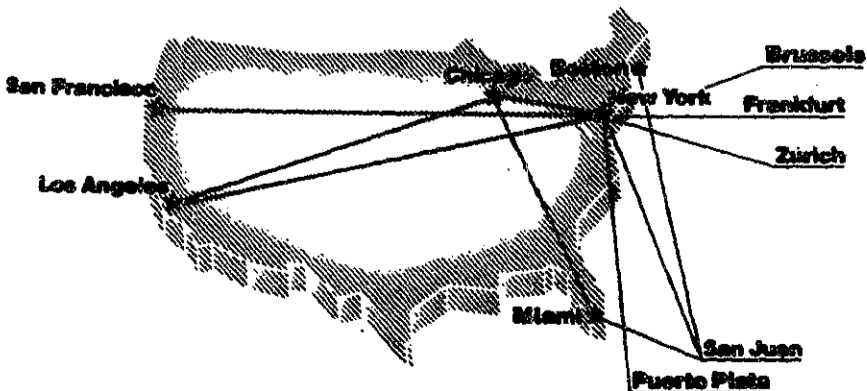
And, if you are flying to Europe this summer, make your reservation and buy your ticket now. With our guaranteed fare policy you are protected against any fare increases from now until departure.

So if you want to do well in Economy Class, fly Capitol's.

For reservations, call your Travel Agent or Capitol at 800-223-6365 or 800-621-5330.

No one makes Economy Class as economical as we do.

SCHEDULED AIRLINE SERVICE
CAPITOL AIR
THE LOWEST FARES



AT BISUTEKI THE STEAK STEALS THE SHOW.



At Bisuteki, native Japanese chefs prepare your meal before your eyes. It's an incredible experience, filled with flashing knives, exotic aromas, course after delicious course, and the smiles of new friends.

But Bisuteki is more than a show. It's steak that's out of this world. Tender. Succulent. Sliced into delicate strips and served sizzling, its taste makes other steak seem dull.

Experience Bisuteki. You'll love the show. But you'll come back for the steak. Conveniently located with free parking at the Howard Johnson's Motor Lodges at 777 Memorial Drive, Cambridge (492-7777) and 407 Squire Road, Revere (284-7200).



WHERE THE STEAK STEALS THE SHOW.

Jerri-Lynn Scofield

Finals week, again

I think many MIT professors plan courses on the assumption that students take only one course per term — theirs. I could adjust to that natural conceit if instructors would recognize my egocentricity and plan workloads to suit one student — me. Neither point of view is realistic, however, and both professors and students eventually acknowledge each other's interests when planning schedules.

For a long time, MIT's faculty has had rules which attempt to insure that student workloads do not become unbearable in the weeks before final examinations. Unfortunately, these rules, as interpreted by the Committee on Educational Policy (CEP), assume all MIT students adhere to a standard four or five course schedule, including periodic tests and a finals week examination. They also assume assignments are announced early enough in the term to allow students to complete them.

Few actually know what the faculty rules say. Among other practices, they prohibit:

- take-home exams that fall due past 9am on the Monday of the last week of classes — with the limited exception of subjects which have no final exam, and have no quizzes or other assignments due during the last week of classes.
- assignments of any kind from being given and falling due after the last regularly scheduled meeting of the class for that subject. This obviously does not prevent an instructor from giving an extension to an individual student, but an extension should not need to be given to the majority of the class.
- classes, examinations, or exercises of any kind scheduled beyond the end of the last regularly scheduled class in a subject, except for final exams scheduled through the Registrar's Office.

The faculty policy permits a short reading period before final examinations. Many students can never utilize this period; for them finals week examinations never arrive. To alleviate student workloads, the CEP must revise MIT's final examinations policy. Tests should be banned during the last week of classes; all final examinations should be administered in finals week.

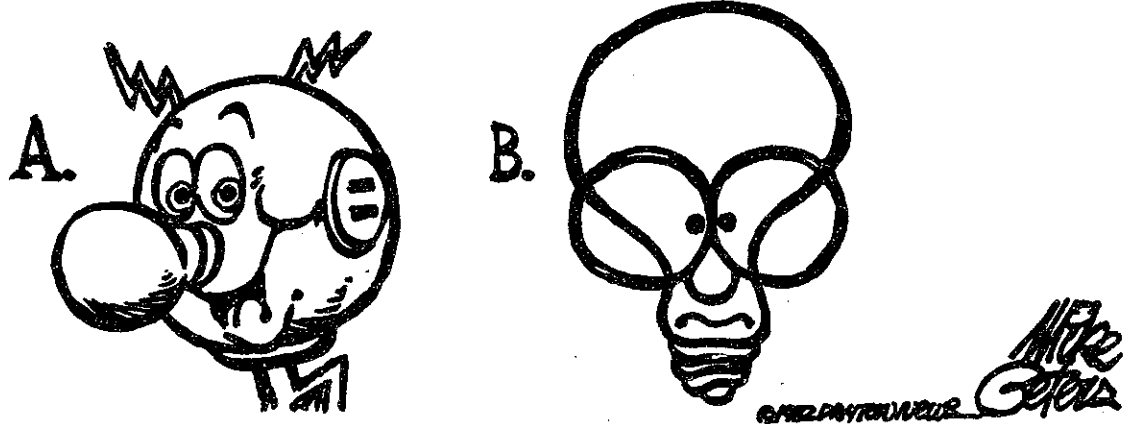
Many courses, particularly humanities, social science, and upper level offerings, have no examinations scheduled for finals week. Instead, in a misguided attempt to reduce student workloads, professors offer final tests in the last week of classes. Many times these final tests, in conjunction with term projects or papers, are the only graded assignments in a course. They are true final examinations except they are not offered in finals week. Professors assume that final tests — only an hour or so long — are easier to take than final examinations — offered during three hour slots. Yet these actions guarantee no free time to review before final tests, and defeat the purpose of even a short reading period. Professors argue that tests given in the last week of class are shorter, yet they do not realize finals week examinations need not be three hours long. Students could perform better if they were allowed some time between the due dates for the two assignments.

The current faculty rules are often ignored, for many reasons. If they were rigidly interpreted, they would be extremely onerous for students, particularly since no one is aware of them until term's end. By then, instructors who wish to follow the rules can not, unless they make assignments due earlier. Students legitimately resist such a move; they often can not adjust to a change in workload on short notice.

In order for any policy to be more than a sham, it must be publicized and enforced. Many faculty members currently do not know a final examination policy exists; even those who do are often ignorant of what the rules actually say. If faculty members were required to file a schedule of intended assignments with department chairmen at the beginning of the term, assignments could be checked to insure conformity with faculty rules. Problems, once discovered, could be rectified before the term progressed. Having instructors file work schedules might make it easier to coordinate workloads, so 18.03 and 8.02 would not have tests on the same day.

Until changes are adopted, professors should be flexible toward requests for extensions. Current policies and distribution of work often guarantee that graded tasks demonstrate who can cram the most work into a few days. Assignments should measure student achievement and performance — not who can endure the longest spell without sleep.

PICK THE CHARACTER WHO FOR YEARS HAS REPRESENTED THE INTERESTS OF BIG POWER COMPANIES. (HINT: HIS LAST NAME IS WATT)



Column/Barry S. Surman

Saturday night on Long Wharf

The *Commonwealth*, a 135-foot cruise ship owned by the Bay State-Spray & Provincetown Steamship Company, had just moored at Long Wharf. Scores of young people streamed down the two metal gangplanks, laughed and smoked cigarettes as they walked the two hundred yards to waiting buses.

A blue sedan slowly worked its way along the crowded pier. Long Wharf was more crowded than it had been in recent memory. The Chart House was doing a healthy business; the Boston Marriott drew throngs to drink in its new bars, to eat in its new restaurants, and just to see the new hotel. Though breezy, it was a comfortable night; the kind of night one associates with the middle of April.

The harbor seals laid half-asleep in their outdoor pen at the New England Aquarium. "Please, we are on a special diet," the sign said. "Coins, balls, or other objects are hazardous to our health." Two young girls, six or seven years old, gazed at the seals and shared a giggle.

The cold, black water of the Harbor lapped softly at the stones of Aquarium Wharf, at the good ship Edgerton moored there. ("You can't escape the Institute," I joked.) the laughter, the voices of Long Wharf drifted across the water.

I heard a quiet splash and

looked across the water to berth 'C' on Long Wharf, about halfway between the *Commonwealth* and the row of yellow buses. A figure — a young man, it seemed — descended from a large private motorboat to a dinghy dancing in the low waves below. A pair of shouts (playful?) stood out among the continuing hubbub of the crowded pier.

A cry — the pained cry of a teenaged boy — was now clearly discernible above the tumult: "Help me, please." There seemed to be no notice of the cry among the crowd above the little boat. Again: "Help me, please." The cry came not from the youth in the dinghy, but from his unseen comrade behind the boat in berth 'C'.

We ran. Past the line of yellow buses, past the clusters of teenagers smoking a last cigarette before heading home.

My companion rushed to the new hotel to call for the police. I continued along the wharf, blocked from berth 'C' by an eight-foot chain-link fence. I pushed my way through the still-dense crowd at the foot of the *Commonwealth's* gangplanks.

An eighteen year old boy argued with a crewman to get back on the cruise ship. The boy's teeth were stained with blood. "My brother's in there," he argued, "and there's eight of

them." The crewman assured the boy the lower-deck fracas was under control.

I told the story of the cries from berth 'C' to a female member of the *Commonwealth's* crew as we ran along the edge of the pier, behind the fences, toward the berth. Two boys were visible on a platform just above the water's level.

"Do you need help?" the woman called.

"No," the boy who'd been in the dinghy responded. "He's just a little drunk." I began to breathe again. "It's okay," he continued, more to reassure himself, it seemed, than to convince us.

As I headed back to the Marriott, I noticed more bloodied faces in this crowd. "You'd better get to your friend," the crewman had warned. "This isn't a friendly group."

Back on Aquarium Wharf, the wind had picked up a bit. Logan Airport was a sea of blue lights surrounded by the dark sea. Buoys danced on the water. The lights of a sailboat slowly, silently crossed the harbor.

A quarter-hour later, a police cruiser was idling behind the still-present line of buses. I asked the officers if they had responded to our call. They were puzzled; there'd been no such call. They promised to check it out.

It began to rain.

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 20
 Friday, April 23, 1982

PRODUCTION STAFF FOR THIS ISSUE
 Night Editor: Ken Snow '82; Staff: Bill Spitzak '83, Charlie Brown '84, Bill Giuffre '84, Barry S. Surman '84, Bill Coderre '85, Paul G. Gabuzda '85, Max Hailperin '85, Daniel J. Weidman '85.

CONTRIBUTING EDITORS
 Brian Jay Glass '82, David Shaw '82, Kenneth Snow '82, Jon von Zelowitz '82, Richard W. Epstein '83; Indexing Project Representative: A. David Boccuti '79.

SENIOR EDITORS
 Stephanie Pollack '82, Michael Shimazu '82

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.

→ feedback

Recruitment policy criticized

To the Editor:

An open letter to Mr. Weatherall, Director, Career Planning and Placement.

Dear Mr. Weatherall:

First, I would like to thank you for taking time from your busy schedule to write to *The Tech*. After spending a great many hours in the Placement Office this year, I realize how terribly hectic it can be for you and your staff. I am also well aware of the fine and courteous job that you do, especially in your willingness to help.

Now, Mr. Weatherall, I am again going to ask your help. I am well aware of the fact that you publish a resume book for students graduating in science and engineering. It has led to some job opportunities for a few friends of mine. I must admit, though, that I

was not aware of your list of minority students until I read about it in *The Tech*.

Mr. Weatherall, I have tried to do my homework, but I am still confused. The Placement Manual states that your "only requirement is that an organization which comes recruiting ... should represent itself fairly, and that it should treat [me] fairly as a candidate." I feel safe to assume that based on this policy, Mr. Weatherall, you would ban an organization that explicitly requested whites to apply. (At least I hope you would.) But why does it appear that you not only condone, but aid organizations explicitly requesting minorities with an exclusive list?

In your recent letter, you seem to have equated the justifications of the resume book with the "List

by Departments of Minority Students." I'm sorry, Mr. Weatherall, but I don't see the correlation. I find it totally justified that I am excluded from the resume book on the basis that I am not graduating this year. The minority list, though, contains "minority students interested in permanent or summer employment in 1982 who have returned a card indicating that they would like their names given to employers." As I recall, this list supposedly allows employers to make a wider selection. I fail to perceive how the exclusion of my name, address, telephone number, advisor, degree date, and employment interest grants a wider selection. I hope, Mr. Weatherall, that you will explain this to me.

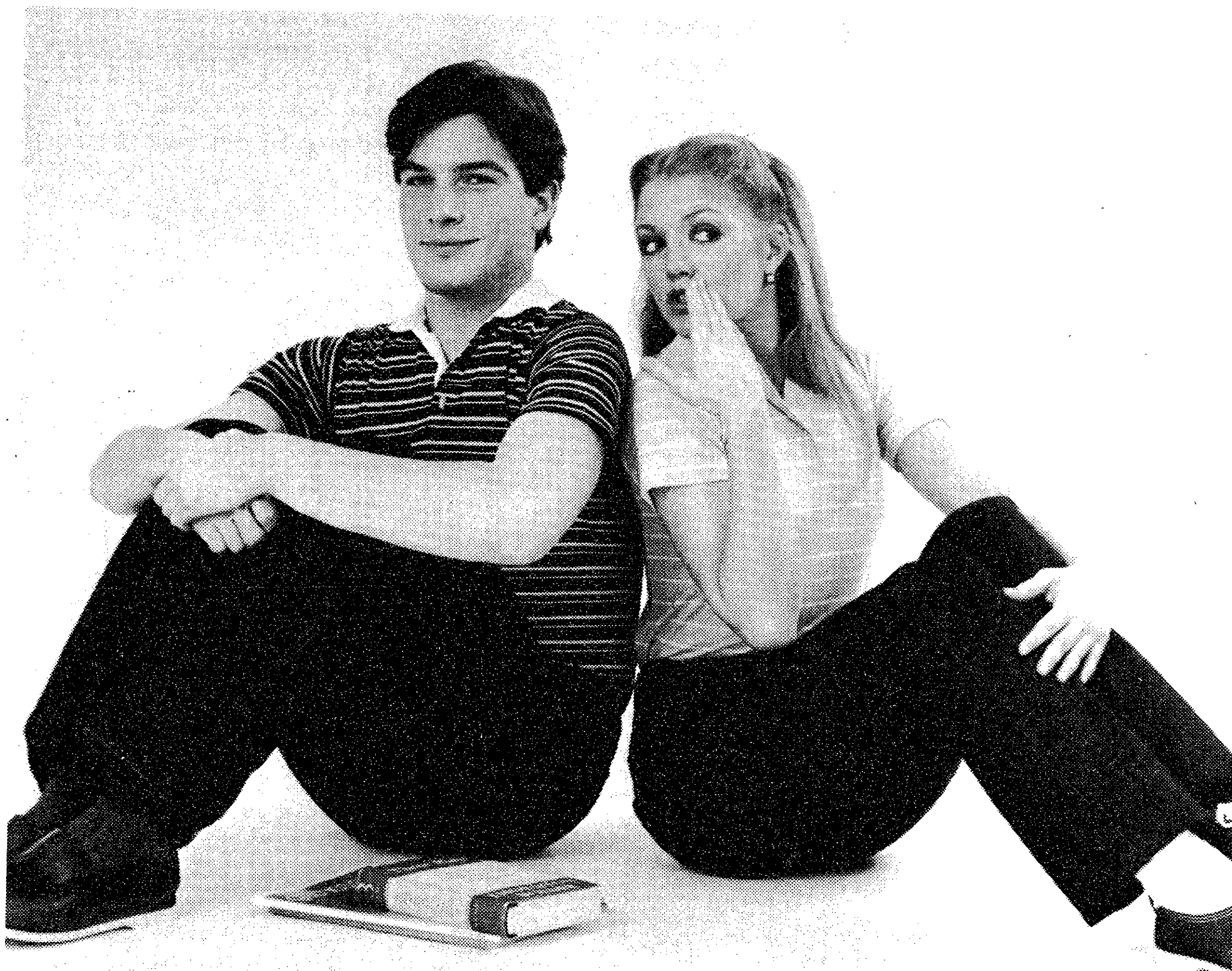
Tom Donahue '83

“How much did you pay for your last pair of jeans?”

\$28. \$35. \$45. Well, you didn't have to. Because Marshalls has hundreds of pairs of jeans for less. In fact, 20% to 60% less than department and specialty store regular prices. Oh, but yours are “designers”? No problem. Marshalls has racks of top brand name and designer jeans. Labeled, with logos... straight leg, flairs or boot cut... for as little as 9.99 to 24.99.

And that's only the beginning. Our 20% to 60% everyday savings are storewide! From pro-maker running shoes to designer tees and jackets. In styles from prep to new wave.

So whether you're dressing for frisbee on the quad or dinner in town, you can get in style at Marshalls... for less.



Marshalls

Brand Names for Less!



BEDFORD Bedford Shop. Ctr. **CANTON** Washington St. and Rt. 27 **CHELMSFORD** Rt. 4 Purity Shop. Ctr. **DANVERS** Liberty Tree Mall, Exit 24 (Endicott St.) off Rt. 128 **FRAMINGHAM** Rt. 9 opp. Shoppers World **FRANKLIN** Rt. 140 **HINGHAM** Rt. 3A Lincoln Plaza **LEOMINSTER** Rt. 12, jct. Rt. 2 **MARLBORO** Rt. 20 Indian Hill Plaza **MARSHFIELD** Rt. 139, Marshfield Plaza **MEDFORD** Meadow Glen Mall, Rt. 16 **NEWTON** Needham St. Exit 56 off Rt. 128 **READING** Rt. 28 **SO. WEYMOUTH** Rt. 18 and Pleasant St. **SWAMPSCOTT** Vinnin Square, Rt. 1-A **TEWKSBURY** Tewksbury Shop. Ctr. **BEDFORD, N.H.** Rt. 3 and Kilton Rd., across from the Bedford Mall **NASHUA, N.H.** Royal Ridge Mall **PORTSMOUTH, N.H.** Marshalls Mall, Woodbury Ave. **SALEM, N.H.** State Line **CRANSTON, R.I.** Rt. 5, Oaklawn Ave., 2/5 mile north of Warwick Mall.



• open Monday thru Saturday 9:30 a.m. to 9:30 p.m.

• Marshalls refund policy... simply return your purchase within 14 days with the sales slip

• no-service-charge layaway

• Cranston, R.I., Bedford, N.H., and Portsmouth, N.H. stores open Sun. 12 noon to 5 p.m. • Salem, N.H. and Nashua, N.H. stores open Sun. 1 p.m. to 6 p.m.

Phi Sigma Kappa presents



SCC Spring Weekend Events

RAMONES

★ with Peter Dayton band
and the Neats

\$4/\$3 with MIT ID beer with ID
8pm-1am New Athletic Center

★ Midnight Movie

The Great Train Robbery

12 midnight in the Sala

FRIDAY	SATURDAY	SUNDAY
23	24	25

★
Friday

Afternoon

Club

music by Bellevista

free food

1-4pm Kresge Oval

All Tech Sing

★ 7pm in the Sala



★ Kaleidoscope Picnic

featuring
Working Class

free chicken

12-4pm



on Kresge Oval

rain location in the Sala

Faculty approves writing requirement

(Continued from page 1)

The Committee shall also "act with power on implementing the Writing Requirement under the General Guidelines set by the Faculty; it shall specify standards and criteria for satisfying the requirement and develop mechanisms for recording fulfillment." The faculty adopted the general guidelines, calling for diagnostic testing and technical writing, at its March 17 meeting.

The amendment was changed so the Writing Committee would be required to report to the

faculty by March of 1983 instead of "the spring of 1983," in response to a request by Undergraduate Association Vice President Kenneth J. Meltner '83 that students and faculty be given sufficient time to debate the Committee's recommendations for implementation of the requirement in the fall term of 1983.

The faculty also endorsed the proposal to have the Writing Requirement become a degree requirement beginning with the Class of 1987.

Gray speaks on tuition, Dunes conf.

(Continued from page 1)

other departments continued to require stable resources, he indicated.

Last month's conference at Pajaro Dunes, California, with representatives from the California Institute of Technology, Stanford University, Harvard University, and the University of California at Berkeley concerned the opportunities and problems with the biotechnology industry's involvement with research institutions. The 37 participants emphasized full disclosure and

open and prompt disclosure of research results, a bias toward non-exclusive licensing of contractual arrangements, and caution in university involvement with a company in which a professor has personal investments, claimed Gray.

The guidelines developed at the conference do not contradict MIT's current policies, Gray noted, although MIT may license exclusively in special cases. "MIT has a long history of dealing with outside professional interests of its faculty," he said.

FUTURE TECHNOLOGICAL DIRECTIONS FOR THE U.S. NAVY

by

COMMANDER CLARK GRAHAM, USN

and

DR. HENRY COX



THE SECOND

ROBERT BRUCE WALLACE LECTURE

TUESDAY, APRIL 27, 1982

3:00 TO 5:00 PM

ROOM 10-250

DEPARTMENT OF OCEAN ENGINEERING
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

NOW JARTRAN SAVES COLLEGE STUDENTS 10% COMING AND GOING.

These coupons can save you 10% on your move from school now. And save you another 10% later.

When you move back to school. Or head off to a new job. Or almost anywhere else.

All you have to do is take advantage of the Jartran Moving System. Jartran

trailers come in sizes that'll carry one room of furniture. Or even three.

Jartran trucks are made for people who aren't truck drivers. Most of them have automatic transmission, power steering, power brakes and a radio.

So clip these coupons and save 10% on our already low rates. And you'll have

more money for the fun stuff.

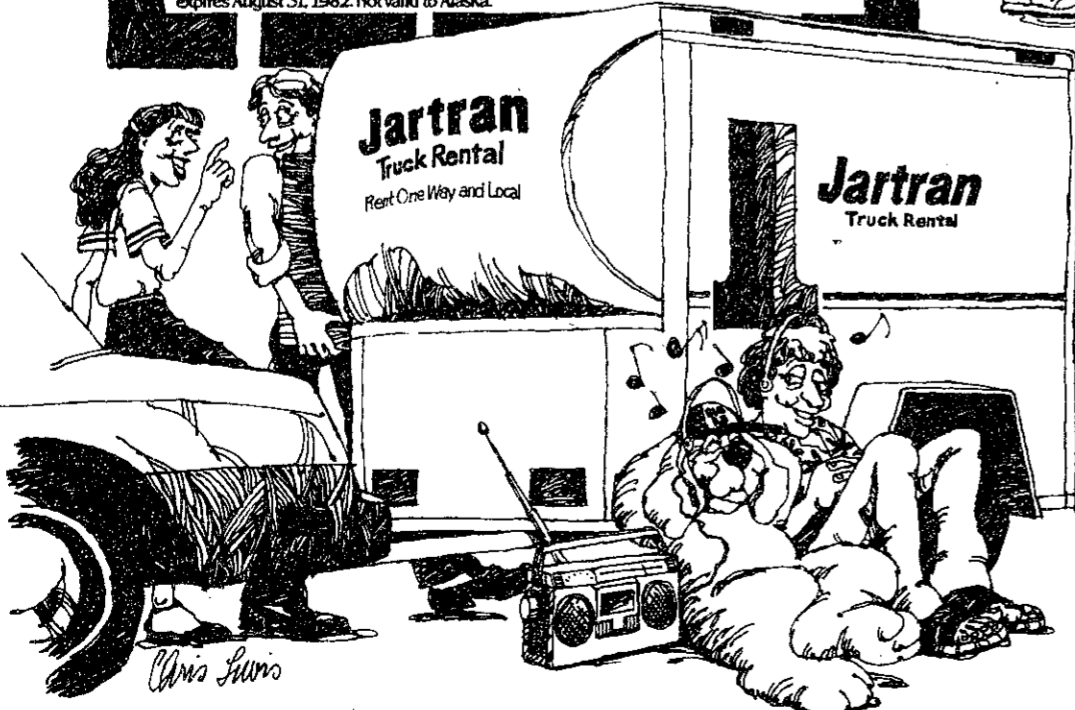
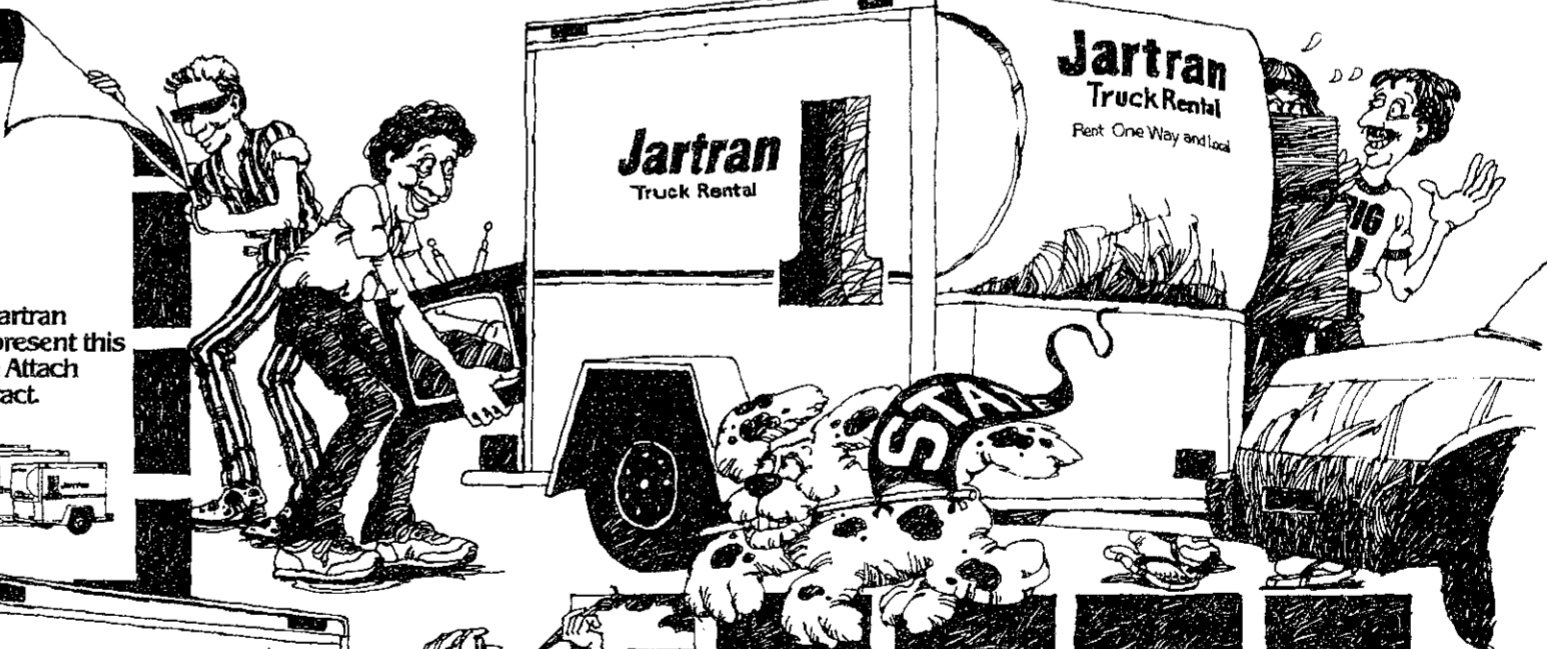
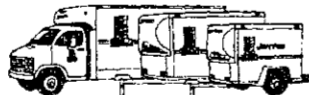
Like summer.

Look in the Yellow Pages under "Truck Renting and Leasing" or "Trailer Rental" for your nearest Jartran dealer.

10% OFF NOW

College Offer
This coupon good for 10% off the rental of any Jartran equipment through August 31, 1982. You must present this coupon to receive your discount. Jartran dealer: Attach this coupon to the white copy of the rental contract.

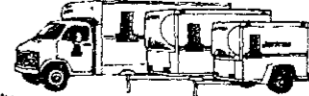
No other discounts apply. Subject to availability. Offer expires August 31, 1982. Not valid to Alaska.



10% OFF LATER

College Offer
This coupon good for 10% off the rental of any Jartran equipment through December 31, 1982. You must present this coupon to receive your discount. Jartran dealer: Attach this coupon to the white copy of the rental contract.

No other discounts apply. Subject to availability. Offer expires December 31, 1982. Not valid to Alaska.



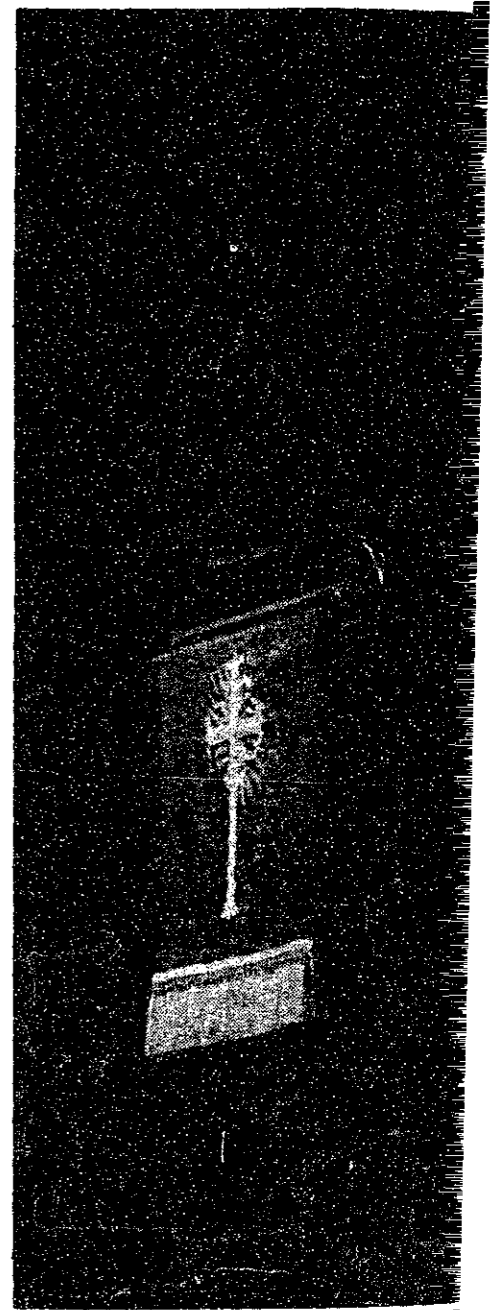
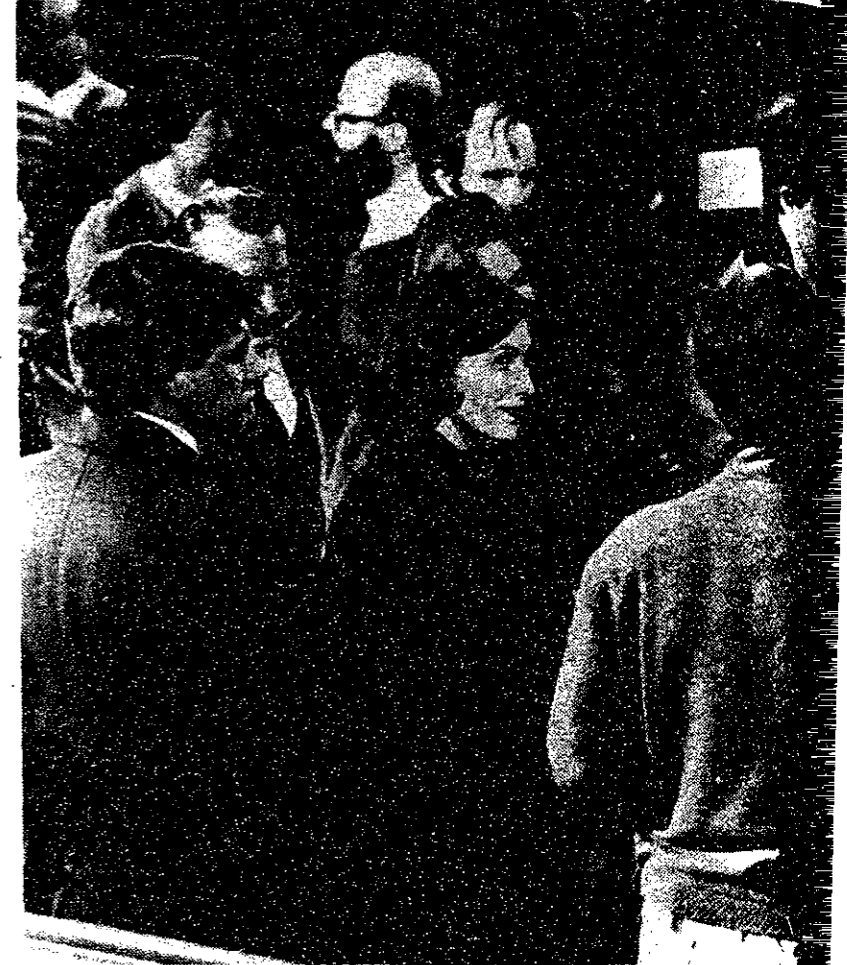
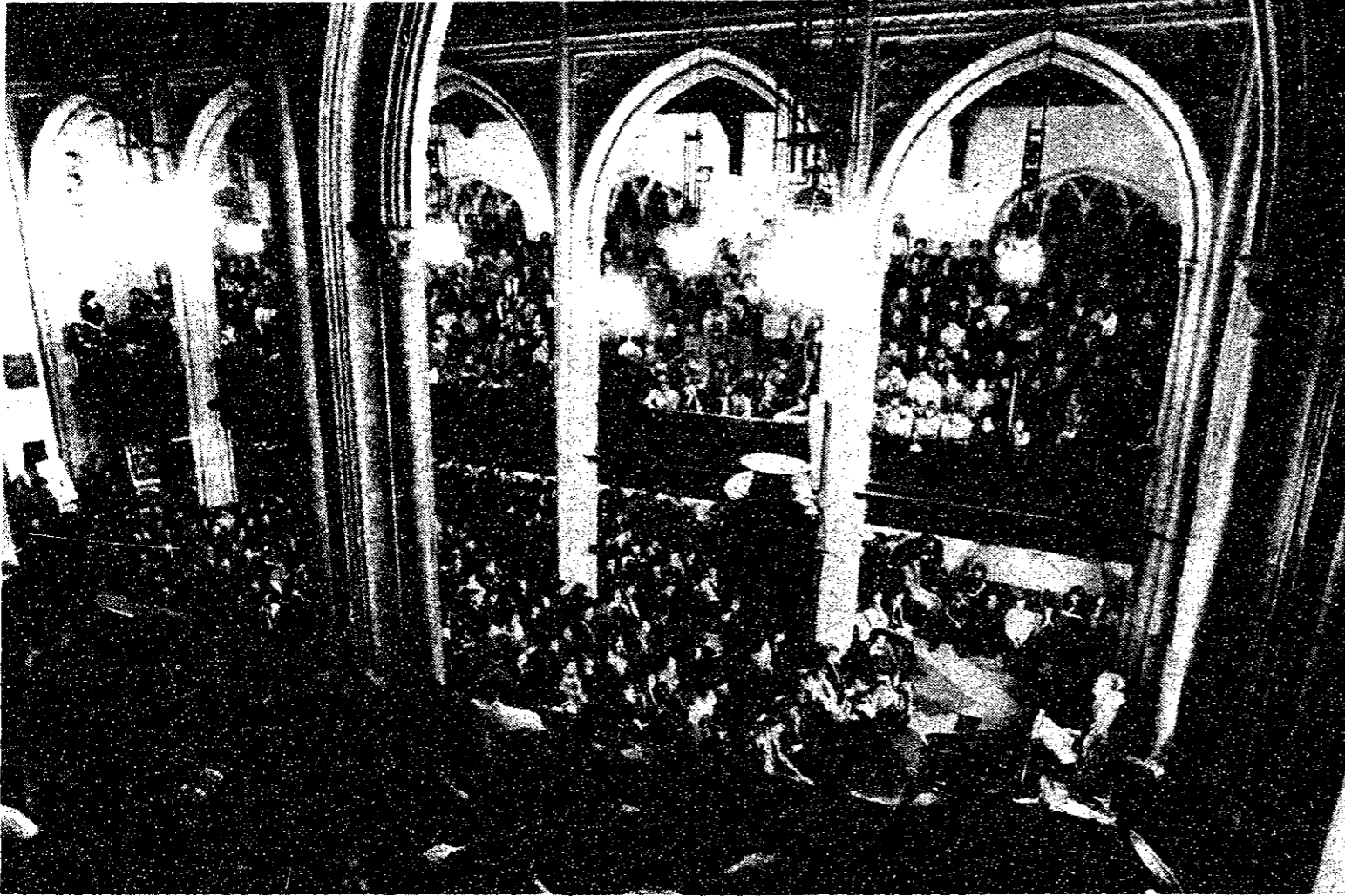
THE PROFESSIONAL MOVING SYSTEM FOR THE AMATEUR MOVER.



Billy Graham: "Peace"

Photos:

Billy Graham at Canterbury, England



Seven Campus Tour

When the New England Billy Graham Crusade is held this spring, it will not be limited to one city or one week of meetings. Instead, it will involve many cities and universities throughout the New England States. Beginning in April, Billy Graham will give evangelistic lectures at seven new England colleges and universities; and, during April and May, seven major New England cities will hold Crusade meetings before the Crusade in Boston, Massachusetts, May 30 through June 6 at Boston University's Nickerson Field.

After the original Planning Committee made clear to Dr. Graham that the invitation to New England included a unique sweep of college campuses, 17 formal invitations were received from colleges and universities across New England. While the number of lectures had to be limited to a few campuses, eight actual lectures have been scheduled with Billy Graham speaking at Northeastern University in Boston on April 15; University of Massachusetts in Amherst on April 16; Yale University in New Haven, Connecticut, on April 19; at the Harvard-Kennedy School of Government in Cambridge on April 20; Harvard University in Cambridge on April 21; Boston College in Boston on April 22; Massachusetts Institute of Technology (M.I.T.) in Cambridge on April 28; and at Dartmouth College in Hanover, New Hampshire, on May 26.

The lectures are the result of invitations by student groups on the campuses. The foremost criteria was the commitment and coalition of the Christian community on campuses that issued the invitation. Dr. Graham desires for his ministry to complement what is happening on campus already, where it will be a constructive part of an ongoing ministry.

When Dr. Graham addresses the seven major new England college campuses, his approach will reflect

the milieu and mindset of these potential future leaders of our country, Crusade officials explained. Because of the climate in the academic institutions, the evangelistic message will be tailored to reach the students.

"It's more the idea of free inquiry, where Dr. Graham presents what we know and believe to be the truth, and invites students to consider it and respond to it. So, it is just a free exchange of ideas. That's what we're shooting for. Dr. Graham and the General Committee felt that students need a direct approach, a one-on-one encounter with him," according to Greg Strand, Collegiate Coordinator for the Billy Graham Evangelistic Association.

In this evangelistic lecture format, Dr. Graham will not be offering the conventional invitation to come forward that he does for the city Crusades; rather, he will present a challenge for students and faculty to seriously consider the message especially in view of current world situations and nuclear tension.

Thomas Hawkes, Assistant Collegiate Coordinator, stated about the collegiate campus, "It's a different place. There are different people who have different ways of responding. Students are much more critical and cynical, and less church-oriented than people who attend the city Crusade. They won't respond as well to those things in a typical Crusade setting, that are geared to people who are familiar with the church." Strand added, "What Dr. Graham wants to do is make sure that people understand what the Gospel really says and that they have an opportunity to respond in a way that is not threatening. His purpose in coming to the New England campuses is to serve and help students and faculty by clearly communicating the Gospel of Christ, of hope, and of peace."

The New
Billy Gra
comes to MIT on

**EVANG
LEC**

Billy Graham
Auditorium, and
members of the M

Tickets are almost
a ticket you won't
it to Room 4416

We look forward

...e in a Nuclear Age"

The Man Behind The Message

Away from the limelight
with the world's best-known evangelist

From the glass towers of Manhattan to native villages in Nigeria, people of all ages and every walk of life come to hear Billy Graham. For more than 30 years he and his team have preached face-to-face to nearly 100 million people, with hundreds of millions more receiving his message through television, radio and films. 1,100,000 attended the closing session of his Seoul, Korea, Crusade, one of the largest gatherings of its kind in the history of Christianity. Why do they come? Who is this man?

Growing up on his father's dairy farm during the Great Depression, Billy Graham had no inkling that he would become the world's best-known evangelist. His parents were deeply committed Christians, but "Billy Frank" was not particularly religious and was thinking of becoming a professional baseball player. Then, at age 16, he took the step he now asks other people around the world to take: he accepted Christ as Lord of his life. A few years later while attending Bible College he sensed the call to preach. It was perhaps the most difficult decision of Billy's life for it meant being willing to go anywhere for God at any time. Then, too, he had reservations about some aspects of evangelism, particularly an emphasis on emotionalism and the prevailing view fostered by the film *Elmer Gantry* that some evangelists were in the ministry for financial gain. But after much prayer he said yes, and the most widely publicized evangelistic ministry of our time was born.

Bible College had given Billy a solid foundation in the

Scriptures but he was then, as he is now, an avid reader and enthusiastic learner, and he added academic background to his Biblical knowledge by enrolling at prestigious Wheaton College in Illinois. Wheaton gave him more than an education; it was there that Billy fell in love — at first sight, he says — with a beautiful fellow student, Ruth McCue Bell, daughter of a missionary surgeon in China. Ruth had many other admirers but there was something special about the tall, serious young preacher from North Carolina, and in 1943 they were married. After graduating from college, Billy joined "Youth for Christ," an organization designed to bring the Gospel of Jesus Christ to youth and servicemen during World War II. With "Youth for Christ" he preached across the United States and Europe, steadily emerging as an evangelist.

In 1949 he conducted such a meeting in Los Angeles and with this he unknowingly set in motion the events that would make him famous. The Los Angeles meetings opened in September, scheduled to run for three weeks. Eight weeks later they came to a triumphant conclusion. It was generally agreed that there had been nothing like the crowds that flowed into the tent at the corner of Washington Blvd. and Hill Street since Billy Sunday's New York Crusade three decades earlier.

The *Los Angeles Examiner* gave the meetings banner headlines which were picked up by other papers across the country as well as by the Associated Press. Sparked by Los Angeles, a very successful Boston meeting followed and invitations began coming to Billy from cities across the country and the world.

Today Billy Graham is perhaps at the height of his ministry. An international Christian leader, he is the confidant of royalty and presidents, yet the comforter of the poor, the oppressed, the prisoner and the unknown. Famous people have come to Christ because of his ministry, as have multitudes of not-so-famous men, women, and young people who have recognized in Billy's message the answer to their own deepest and often unexpressed needs. His ministry and influence have been recognized by a broad spectrum of the religious community. The American Jewish Committee honored Billy with its first Inter-religious Award. Many of the public meetings during his tour of Poland were hosted by Roman Catholic churches and cathedrals. The Most Reverend Robert Runcie, 102nd Archbishop of Canterbury, invited Billy to his enthronement at Canterbury Cathedral in express appreciation of Billy's impact on his life and ministry. The Gallup Poll finds Billy Graham year after year among the top ten of the world's most admired men. He has preached in crusades on every continent and in almost every major country on earth. At an age when most men begin gearing down for retirement, this man presses vigorously ahead in a work that takes him hundreds of thousands of grueling miles around the globe each year.

Billy Graham goes "home" to a small town in the mountains of North Carolina where he and his wife live. At home, the Grahams attend the local Presbyterian church where Mrs. Graham is a member. Billy is an ordained Baptist minister but he frequently attends churches of other denominations in his travels. The Grahams, who are often away, still find time to be active in their hometown affairs; they have many local friends, and everybody knows them.

Billy and Ruth Graham are parents of five children and grandparents of fifteen. Muhammad Ali, a recent visitor, best describes Billy's life away from the limelight: "I thought he'd live on a thousand acre farm, but [with Billy driving] we drove up to this house made of logs. No mansion with crystal chandeliers and gold carpets, but the kind of house a man of God would live in."

Graham Invited To Speak in Moscow Church, Conference

Billy Graham has just accepted an invitation to proclaim the Gospel and to address a conference of religious leaders in Moscow in early May, 1982. Prior to his Moscow trip he will be speaking on the same topic on university campuses across New England.

He has been invited by Patriarch Pimen of Moscow to attend a worship service on May 9 at an Orthodox Cathedral in Moscow and to proclaim the Gospel to the congregation during the morning liturgy while extending fraternal greetings.

At the evening service Dr. Graham will be preaching at the Moscow Baptist Church, which has 5,500 members.

On Tuesday, May 11, Billy Graham will address a conference convened by Patriarch Pimen. International religious leaders representing many major religions will be there; it is not just a conference of Christian leaders. Dr. Graham will be attending the conference as an observer. He will be speaking from the Bible on the Christian's understanding of peace in a nuclear age. The official title of the conference is "World Conference: Religious Workers for Saving the Sacred gift of Life from Nuclear Catastrophe."

In a recent news release Dr. Graham said, "It is my sincere prayer that this visit will make at least a small contribution to better understanding between the peoples of the Soviet Union, the United States, and other countries of the world. We trade with each other, we have cultural exchanges, and we have continued political negotiations in spite of our differences. I think it is now time that we move into a spiritual dimension as well. My purpose in going to the Soviet Union is spiritual, and it is not my intention to become involved in political or ideological issues."

Paid Advertisement

—science, technology, and a bomb—arts

In the matter of J. Robert Oppenheimer, at the Nucleo Eclettico, 216 Hanover St. (in the North End), Boston. 8pm, Wednesday - Sunday, through May 22. Admission \$5.

The paper-maché bomb in the lobby should have been a tipoff. Heinar Kipphardt's *In the matter of J. Robert Oppenheimer* begins to deal with the moral dilemma faced by twentieth-century science, but any substantive investigation is obscured by inadequate staging, overplayed characterizations, and an unashamed politicization of the production.

Oppenheimer recounts hearings held in the 1950's by the Atomic Energy Commission to determine if Oppenheimer, "the father of the atomic bomb," should retain his security clearance, amidst allegations of ties to the Communist Party and disloyalty to the United States. The play takes place within a government hearing room - not, admittedly, the most visually interesting of settings.

Director David Rothauer attempts to overcome the inherent limitations of the hearing room scene in two ways; he places witnesses testifying before the hearing board in the audience and brings the case's principals downstage to soliloquize within a tight spotlight. Both techniques fail.

The testimony-from-the-audience, while it might be effective in another theatre, is plainly unsuitable for the Nucleo Eclettico. Located in the basement of the Euro-

pean Restaurant, the theatre is broken up by four pillars supporting the ceiling. These posts block portions of the stage from all but the best of seats; they eclipse much of the action off the stage as well.

The protagonists' soliloquies fail on two counts. Rothauer's blocking uproots the characters from their positions in the hearing room, bringing them downstage to speak directly to the audience. Rather than promoting closeness to the audience, this device impairs the continuity of the hearings as players dash out from behind their tables to center stage.

These discourses seem superficial and, indeed, misplaced. The drama begins with Oppenheimer (Eugene E. Boles) recalling the first time he entered the hearing room, establishing him as a first-person presence. When members of the security board hearing the case and opposing counsel speak to the audience, a fly-on-the-wall perspective is suggested. This question of perspective is never resolved by playwright Kipphardt. The substance of the soliloquies cannot justify the ambiguity; they serve only to force-feed the audience all-too-obvious ideas and questions.

Boles's portrayal of Oppenheimer is superb. He convincingly presents the central character as honest, quietly eloquent, unbending in loyalty, and firm in his "scruples." Unfortunately, many of the other players were mired in overcharacterization. Board member Thomas A. Morgan (Edwin Thurston), defense counsel C. A. Hollander (Thomas Joseph), and Major Nicholas Radzi (Merton Aspinwall) all seem to come off the central casting shelves as the stereotypical industrial giant, the stereotypical liberal lawyer, and the stereotypical Air Force operative, respectively. The stereotypes provide an inadequate façade for shallow, undeveloped characters.

Physicists Edward Teller (Michael Francis) and Isador Isaac Rabi (Woody Satz) perform admirably, transcending stereotypes to create complete, human characters. Questions about the role of technology and the social responsibility of scientists for the consequences of their discoveries are nicely presented in the dichotomy of Teller, on one hand, and Oppenheimer and Rabi, on the other. Teller believes the political and military decisions should be left to the politicians and the military, abdicating any responsibility for

his role in the development of the atomic and hydrogen bombs. Rabi and Oppenheimer defend the application of "moral scruples" to their work.

It is quite clear that both playwright and director side with Drs. Rabi and Oppenheimer. A gratuitous bit of scenery, looking remarkably like a sixth-grade science fair diorama, depicts a mushroom cloud over a demolished Boston skyline, identifiable only by the cracked golden

dome of the State House. It is conspicuously placed downstage left. It is never used, never explained, never part of the play: it serves only as a graphic reminder of the purpose of this drama - to serve not art, but politics.

Hans Bethe (J. D. Kimmel) testifies, "Good ideas are expensive, and I like to eat well." Not *all* good ideas are expensive, Hans: Save the \$5 and eat a good dinner upstairs.

Barry S. Surman

—chekhov's sea gull—

The Seagull, by Anton Chekhov, directed by Jane Armitage, at the Peoples Theater, Cambridge, Thursdays through Sundays to May 23, Tickets \$5.50 (Thurs., Sun.) and \$7.00 (Fri., Sat.).

"Why do you always wear black?"

"I'm mourning for my life. I'm unhappy."

Thus begins Anton Chekhov's subtle comedy of triangular love relationships, *The Seagull*. Centered about a family of actors and writers, this play depicts the conflicts between generations of artists and the frustrations of unrequited love.

Konstantine Treplev, played by Stevenson Carback, is a young aspiring playwright and the son of a vain provincial actress, Mme. Arkadina (played by Renee Miller). In love with the stagestruck daughter of a wealthy neighbor, he writes a play in which she stars. The play, failing miserably, is mocked by Arkadina, thus upsetting Konstantine. Seeing little worth in such an obscure writer, the daughter, Nina (played by Kate Falk), falls in love with Trigorin (played by Murray Biggs, the founder of the MIT Shakespeare Ensemble) who is a famous novelist in his late thirties and lover of Mme. Arkadina.

As the play progresses, relationships become more complex and the struggles more frustrating when tragedy occurs and the play ends leaving the audience with "implied" insight into the fates of the characters.

If anything, the Peoples Theater did a halfway decent job. The interpretation of the play was a bit different, at times, from what Chekhov had written, but nevertheless, some semblance of a plot could be followed. Miller's role as Arkadina was effective. You *did* feel contempt for her superficiality, but I couldn't

help thinking that I knew of some people that could have portrayed the role much better without even trying, Carback as Konstantine came off as an exaggeration of Shakespeare's *Hamlet*. It was hard to decide whether it was Chekhov's writing or Armitage's directing that made the part seem as such. Falk's acting was fine, but Nina came off as being more "spoiled brat" than merely innocent and impressionable.

One of the weakest spots of the play was the role of Masha. Kathryn Woods tended to express her lines in a slightly stilted manner. It was hard to decide whether or not she was really mourning over her unrequited love for Konstantine. Biggs as Trigorin was one character that certainly came across as outstanding. He depicted the writer as confident and successful providing the ideal father figure for Nina. I must admit, I was entranced by his performance, but alas, I was later to discover Chekhov wrote him to be a bit disheveled and detached from the world around him.

As for other aspects of the performance, lighting, music, and set were well done, while consuming and blocking were lacking. The size of the theater was small, but what space was available was used quite effectively. The fact that the actors were almost in one's lap was actually conducive to understanding each character's inner struggles. The fact that actors' backs faced the audience at certain times was not.

Overall, I would say this production may well be worth the bother to hazard the perils of Central Square to see it, but if Chekhov himself were around, he probably wouldn't even recognize it as his own.

Mimi Yenari

In the matter of J. Robert Oppenheimer
a play by Heinar Kipphardt
directed by David Rothauer
April 14 - May 22
Wednesday - Saturday
8:00 PM - 10:00 PM
for information and reservations call 357-8000

Ali's Hair Salon
Spring Special
for MIT Students
Hairstyling only \$10
(with student id)
Ali's Hair Salon
543 Mass. Ave. **354-0298**
Central Square, Camb.
Weekdays 9-6,
Thurs. & Fri. 9-7

CHECK US OUT!
WE DO MORE! DO THEY?
SAVE \$90

SMITH-CORONA®
ENTERPRISE II®
ELECTRIC PORTABLE

- Powered carriage return
- Changeable type bar accepts special characters
- Half space to insert/delete characters
- Line spacing 1, 1½, & 2 and free rolling
- Repeating keys for: XXXX xxxx -----
- One-touch cartridge ejector

Reg. \$299⁰⁰
\$209⁰⁰

BROOKLINE OFFICE EQUIPMENT CO. Inc.
1431 Beacon St. MON. - FRI. SAT.
Brookline MA 8:30-5:00 9:00-4:00
566-6403
MASTERCHARGE & VISA ACCEPTED

Programming Primacy Savings Supremacy

TI 99/4A
Home Computer

TEXAS INSTRUMENTS INCORPORATED

Sale \$299.95 Reg. \$399.95

For learning, playing and learning how to play. Whether it be math, spelling and grammar or marvelous and exciting games like chess and football - take your lessons from the best.

Save 10% on All Software In Our Stock

HARVARD COOPERATIVE SOCIETY
MIT Student Center

—always responsibilities at diner—

Diner, Rated R. Directed and written by Barry Levinson. Starring Steve Guttenberg and Daniel Stern.

There has been welcome trend in film of late. Hollywood has been making realistic films about ordinary people. The success of Robert Redford's *Ordinary People* attests to how well these films have been received. There was *The Four Seasons*, *The Great Santini*, and the lesser known *Return of the Secaucus Seven*. Now thd is *Diner*.

Diner is an intelligent film. It has a familiar theme—the evolution from young man to adult. It has a familiar setting—the late 1950's—wich will no doubt bring on comparisons with *American Graffiti*. But *Diner* is special. It deals thoughtfully with its subject, but not too seriously, so that it can still be classified as a "comedy-drama." The background of *Diner* gives a flavor for what the film is about. Writer-director Barry Levinson, who makes his directing debut with this film, wrote the script at the suggestion of comedian Mel Brooks after Levinson had been chatting to Brooks about stories dealing with the people he had grown up with in Baltimore. Five relatively unheard-of actors were chosen for the leading roles. The film deals with this gang of closely-knit friends and the sometimes humorous, sometimes trying times they face.

It seems at the beginning that *Diner*

might be aother of those generic '50's films about cruising and tying together policemen's shoelaces for kicks. For example, one of the five close friends, Boogie (Mickey Rourke), takes bets that he can make it with a girl on a first date, while his friends watch to be sure they're not cheated — not promising material. But *Diner* isn't merely about the cliché antics of "Happy Days" life; it is about the change into adulthood. Later in the movie, when Boogie makes a similar bet, we expect the same tired humor to be attempted, but Levinson throws us a twist — and we no longer see Boogie as a mindless comic figure, but as a human being who is confronted with new decisions which he is now able to cope with. Mickey Rourke's glib style at the film's beginning makes his transition into adulthood all the more beautiful.

It is this unique blend of humor and seriousness which makes *Diner* worth seeing. Eddie (Steve Guttenberg), another of the central five, presents this formula in dealing with another of the film's issues — marriage. Eddie has a fiancé he's not sure he wants to be married to. He asks his married friend Shrevie (Daniel Stern) what it's like. Shrevie gives a speech extolling how single life is better, yet adds "but marriage is nice." And that is enough to reassure Eddie. Eddie's adolescent-level maturity is

further characterized by his fanatic love of the Baltimore Colts. Before he agrees to marry, his wife must pass a quiz on football. It's funny stuff. Eddie later goes through changes, but the humor of the earlier scenes still remains as a wonderful balance to the film's serious moments.

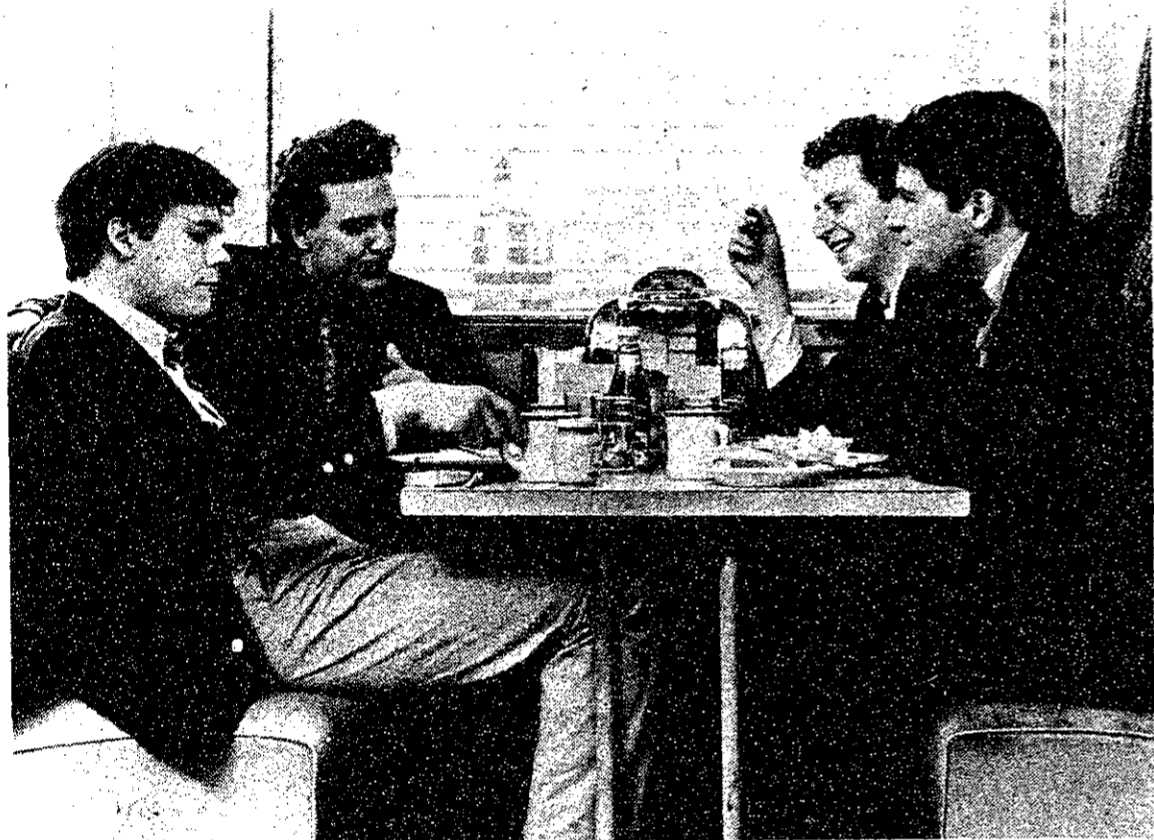
Perhaps the one fault of *Diner* is that it tries to deal with too much. The film, which lacks a central plot, sometimes seems morass of subplots, and it is easy to get confused with all the interrelationships on the film. Besides the major characters, there are other roles of importance, and the film tries to deal with them all, at the expense of any in-depth character development.

But there are so many positive things in the film to keep the audience entertained that this is not a major drawback. The main plus—the fine blend of comedy with serious subjects—is due to Levinson's able writing. The script is almost always good, brilliant at times. Levinson has experience, winning three Emmy awards for his writing for the Carol Burnett show. For those who care to delve into the film's depths, there is symbolism also. The controlling symbol is the diner—the link between the characters' past and future. At one point a character remarks, "We came here (the diner) before to be cool. Now we're older, yet we still come here." The very year the film takes place, 1959, is significant, marking the end of one decade the the beginning of a new one. For the more casual viewer, the film is worthwhile as well. Perhaps that is the best feature of *Diner*, and typical of the new trend in film — the themes are ones which people can easily identify with.

Technically there can be no complaints. Levinson's debut as a director comes off well. The background details in the settings add to the understanding of the film, and often to the humor. And there is the benefit of a good soundtrack with oldies by such artists as Chuck Berry, Carl Perkins, and Frank Sinatra.

Diner is a fine addition to the new trend in film. It brings up the real problems of growing up. The film questions the responsibilities one faces in adulthood. But with all of the troubles and tensions the characters face, there is always the relief of each others company. There is comfort in the realization that "there is always the diner."

Mark Tunick



—on the town—

Guess who's back in town? **The Best Little Whorehouse in Texas**, that's who. Performances of the award-winning musical will begin Monday, April 26 at the Colonial Theater; tickets are on sale now. For information about ticket availability call the box office at 426-9366.

Hiroshima, Mon Amour, the story of a French actress starring in an anti-war film in Japan, plays this weekend at the French Library in Boston. The film stars Emmanuelle Riva and Eiji Okada and is directed by Alain Resnais. Showings are at 8pm, April 23, 24, and 25; call 266-4351 for more information.

The Orson Welles Cinemas are pleased to announce the New England premiere of Bertrand Tavernier's **A Week's Vacation** on Friday, April 23rd. The film stars Nathalie Baye, Gerara Lanvin, Philippe Noiret, and Galabru. for tickets and information, call 868-3603.

Frans Brueggen, the celebrated recorder and Baroque flute virtuoso, will present a master class at the New England Conservatory on Saturday, April 24, from 10am to 2pm, Brown Hall in Boston. Tickets are \$5 at the door, \$3 for students. For more information, call 262-1120.

The Emmanuel Wind Quintet, known for their performances of contemporary music, will perform the last of MIT's Guest Artist Concert Series, this Sunday at 8pm in Kresge Auditorium. Admission is free, of course. For further information, call the music office at 253-2906.

The Harvard Krokodiloes, Harvard's 12-man *capella* singing group, will hold their annual Spring Jamboree concert with the Yale Whiffenpoofs and the Radcliffe Pitches, this Saturday at 8pm in Sanders Theater at Harvard. Tickets are \$4 for students; call 495-5160 for more info.

This Weekend LSC Presents:
Throne of Blood, Friday at 7:30 in 10-250.
For Your Eyes Only, Friday at 7 & 10 in Kresge.
Breaker Morant, Saturday at 7 & 10 in 26-100.
Silent Movie, Sunday at 6:30 & 9 in 26-100.

arts

PIZZA KENS WAY

NEW!

TRY OUR NEW DEEP DISH PIZZA!

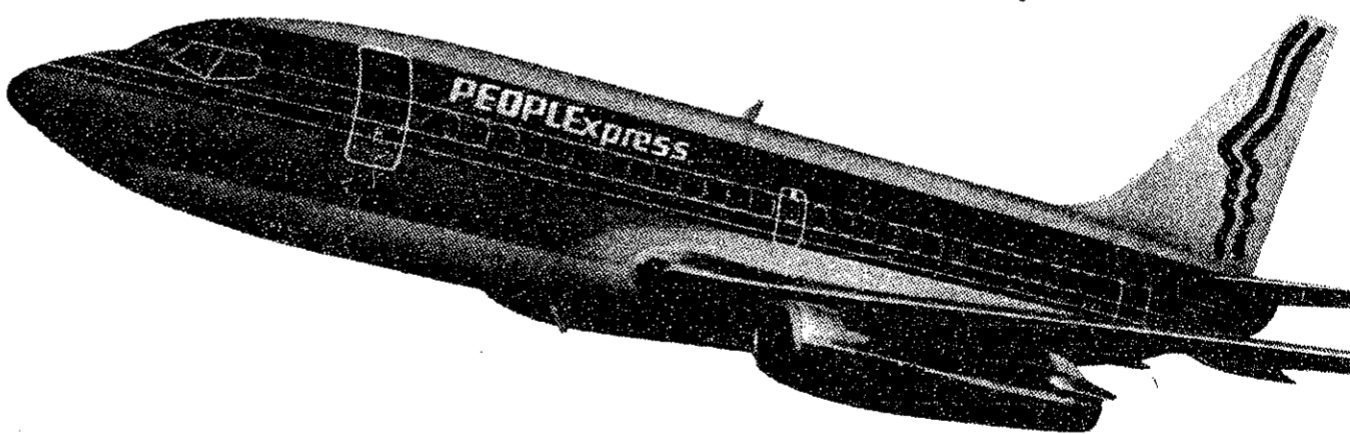
Made from a special recipe, our unique pizza dough is fresh-baked daily by our pastry chef.

Add your choice of toppings, or try one of Kens' House Special Pizzas — fresh vegetables, lox & onions, or Mexican. Have hot delicious pizza Kens way... a slice above the rest!

KENS

KENS AT COPLEY — 649 Boylston St., Copley Square

FLY TO NEW YORK FOR LESS THAN THE COST OF DRIVING.



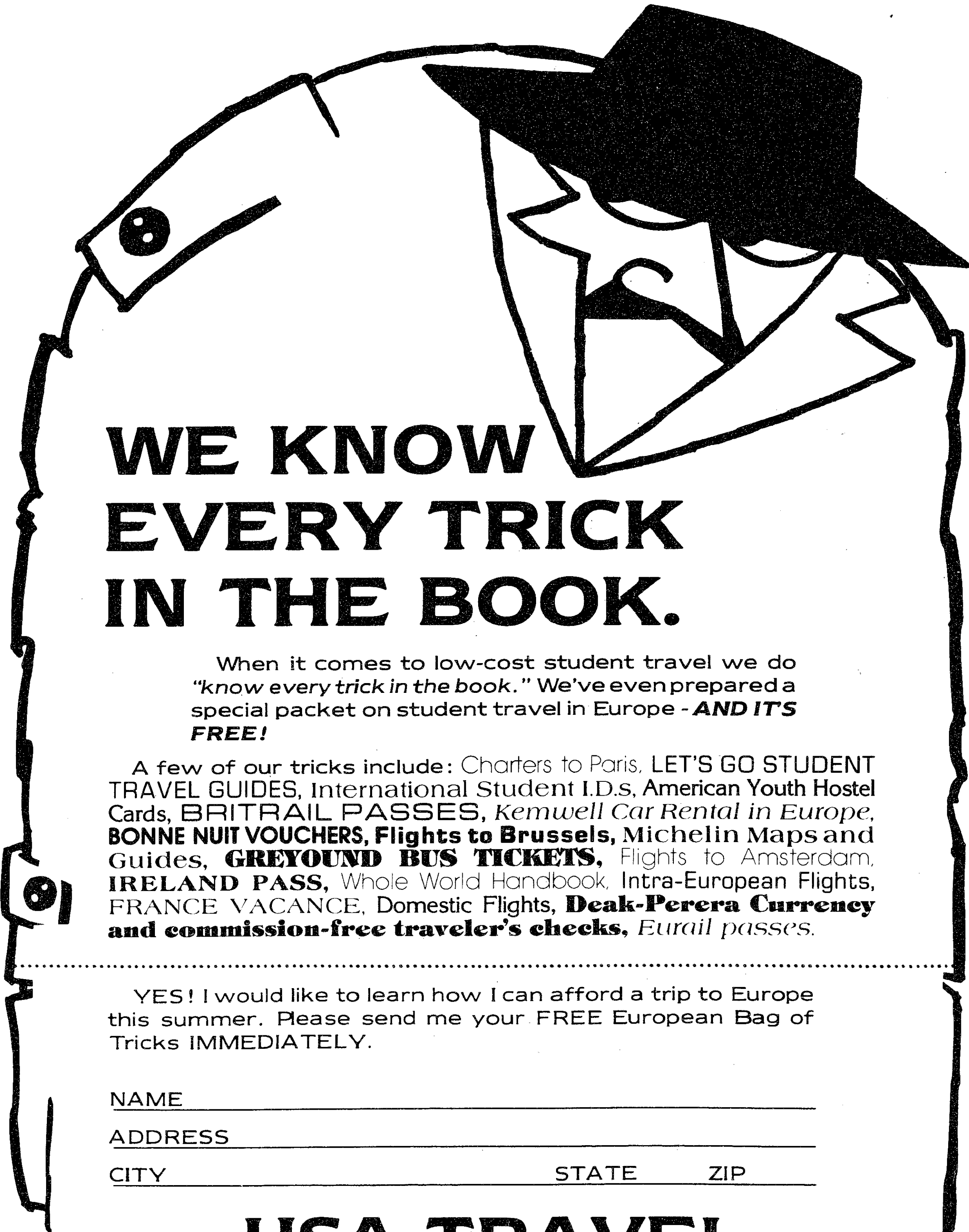
\$27/\$40
OFF PEAK PEAK

Or if you are thinking about heading further south, People Express is the smart way to Florida. We offer the lowest prices to West Palm Beach, Sarasota and Jacksonville.

PEOPLEExpress
FLY SMART

NEW YORK/NEWARK, BOSTON, WASHINGTON/BALTIMORE, SYRACUSE, BUFFALO, NORFOLK, COLUMBUS, JACKSONVILLE, SARASOTA, WEST PALM BEACH.

PEOPLE EXPRESS AIRLINES/FOR RESERVATIONS, PHONE: (617) 523-0820 OR CALL YOUR TRAVEL AGENT.



WE KNOW EVERY TRICK IN THE BOOK.

When it comes to low-cost student travel we do "know every trick in the book." We've even prepared a special packet on student travel in Europe - **AND IT'S FREE!**

A few of our tricks include: Charters to Paris, LET'S GO STUDENT TRAVEL GUIDES, International Student I.D.s, American Youth Hostel Cards, BRITRAIL PASSES, *Kemwell Car Rental in Europe*, **BONNE NUIT VOUCHERS**, **Flights to Brussels**, Michelin Maps and Guides, **GREYOUND BUS TICKETS**, Flights to Amsterdam, **IRELAND PASS**, Whole World Handbook, Intra-European Flights, **FRANCE VACANCE**, Domestic Flights, **Deak-Perera Currency and commission-free traveler's checks**, *Eurail passes*.

YES! I would like to learn how I can afford a trip to Europe this summer. Please send me your FREE European Bag of Tricks IMMEDIATELY.

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

mail to:

HSA TRAVEL
Harvard Student Agencies, Inc.

THAYER HALL-B, HARVARD UNIVERSITY, CAMBRIDGE, MA. 02138 (617) 495-5230

Spring Weekend
April 21-25

Friday
 Friday Afternoon Club Kresge Oval 1-4 pm
 Tank Kresge Oval 3 pm
 The Ramones concert (PSK, Theta Xi, SCC) New Athletic Center 9-1 pm

Saturday
 Spring Olympiad Briggs Field 11-4
 DU Steakery Briggs Field 4 pm
 All Tech Sing The Sala 7 pm
 Amherst Alley Block Party Amherst Alley 9 pm

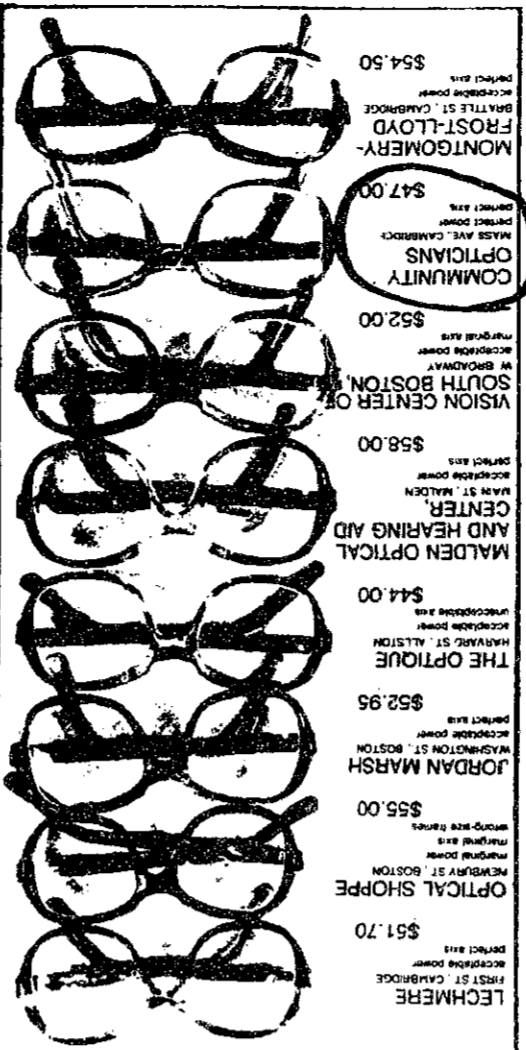
Sunday
 Beer Chaser Race Amherst Alley time to be announced
 Picnic (with jazz band) Kresge Oval 12-4 pm
 Awards Ceremony Kresge Oval 4 pm
 Prizes donated by Mansour's Image Hair Center and Toscanini's Ice Cream.

Position to be Filled in
Hardware and Software
Dublin, Ireland

A position where you will use your skills to organize, direct and train a team in manufacturing systems design techniques. Hardware design and systems programming experience is required, as well as the ability to work effectively with others. This is a 6 - 12 month, project-oriented assignment with an excellent opportunity for the doctoral candidate seeking to complete dissertation requirements.

Call Dr. Liberman at Trade Quotes, Inc., 492-0600.

Glasses: You don't
always get what
the doctor ordered



LECHMERE
 FIRST ST. CAMBRIDGE
 HARRIS ST. BOSTON
 OPTICAL SHOPPE
 MEMBERSHIP ST. BOSTON
 \$55.00
 JORDAN MARSH
 WASHINGTON ST. BOSTON
 \$52.95
 THE OPTIQUE
 HARRIS ST. BOSTON
 \$44.00
 MADDEN OPTICAL
 AND HEARING AID
 CENTER
 \$58.00
 VISION CENTER OF
 SOUTH BOSTON
 \$52.00
 COMMUNITY
 OPTICIANS
 MASS AVE. CAMBRIDGE
 \$47.00
 MONTGOMERY-
 FROST-LOYD
 BRATTLE ST. CAMBRIDGE
 \$54.50

Community Opticians
 534 Mass. Ave.
 Central Square Cambridge
 354-6535

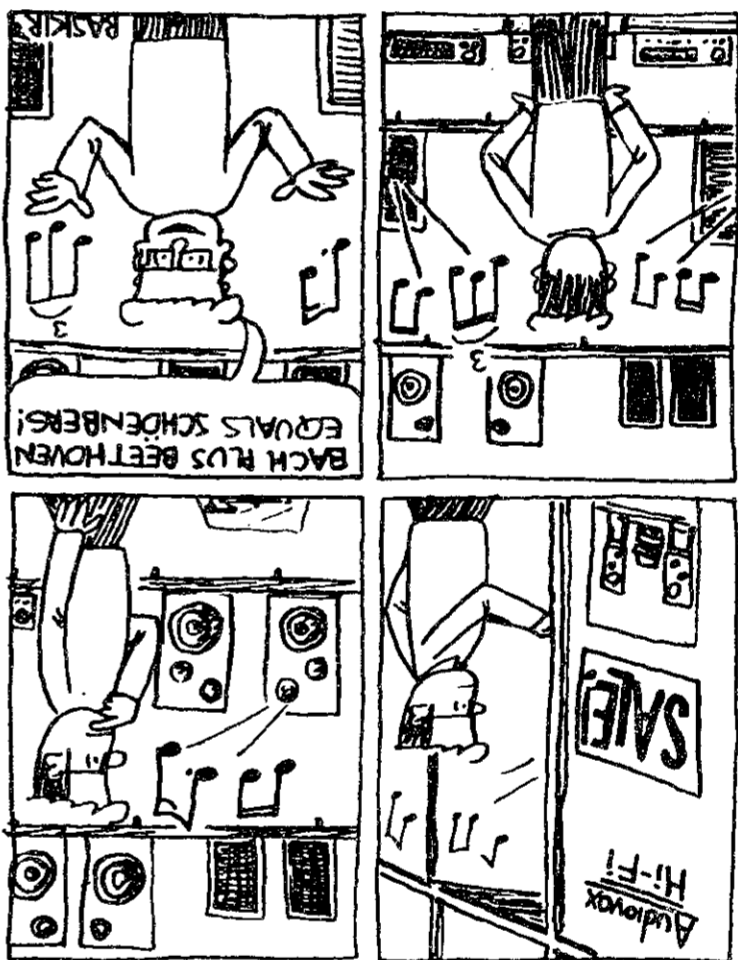
● No two pairs were the same.
 ● Only one pair matched the prescription perfectly, although four others fell within acceptable tolerances.
 ● One pair was flagrantly wrong: two others were wrong enough to affect vision slightly. In the Herald American's sample of eight pairs, five were acceptable to Dr. Garcia, although only one matched the prescription perfectly. The two pairs that were slightly wrong had no discernible effect on the wearer's vision. The same was true for the rejected glasses; although Garcia said these would hamper the vision eventually, fuses at The Optique, were also the furthest off. Yet the second-cheapest pair, made by technicians in the central lab of the Community Opticians chain, were the only perfect match.

By SUSAN V. HANDS
 Staff Writer

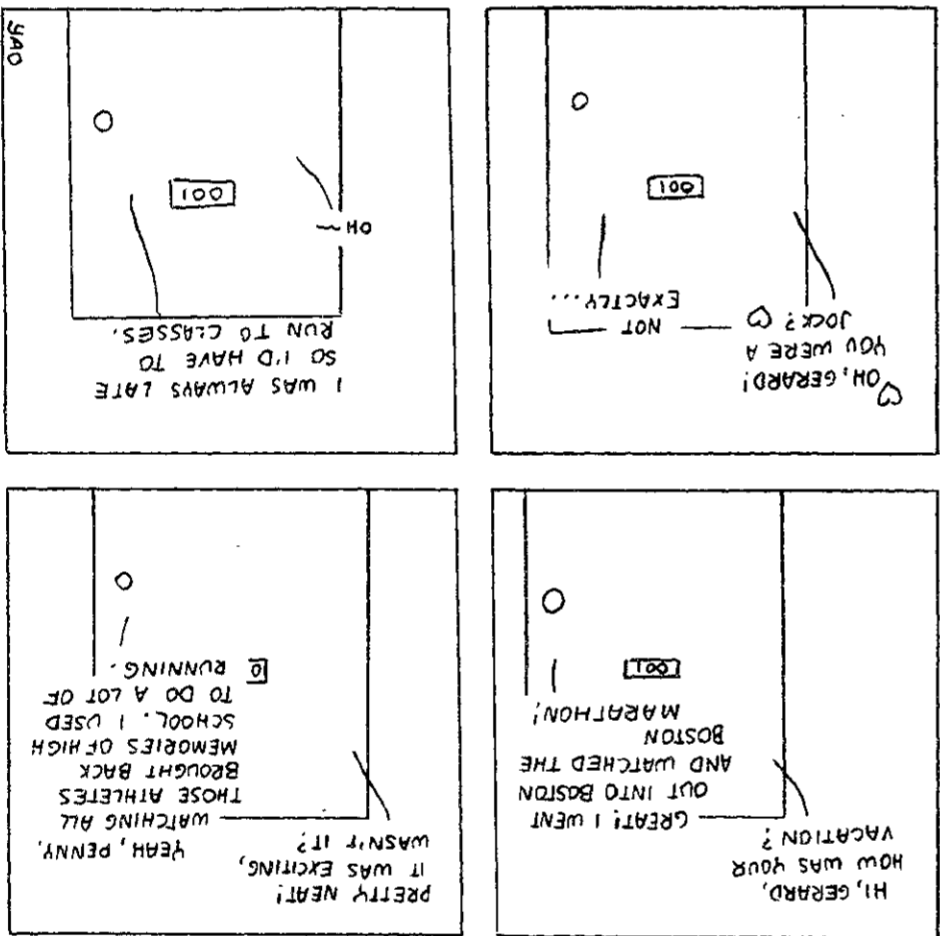
Getting the right eyeglasses isn't as simple as many consumers think. Eyeglass manufacturing is impressive, but you don't have to settle for less than the perfect pair.

The Herald American took a doctor's prescription for nearsightedness and astigmatism and ordered identical glasses from eight Boston-area opticians. When the doctor, George Garcia of the Massachusetts Eye and Ear Infirmary, checked the glasses he found:

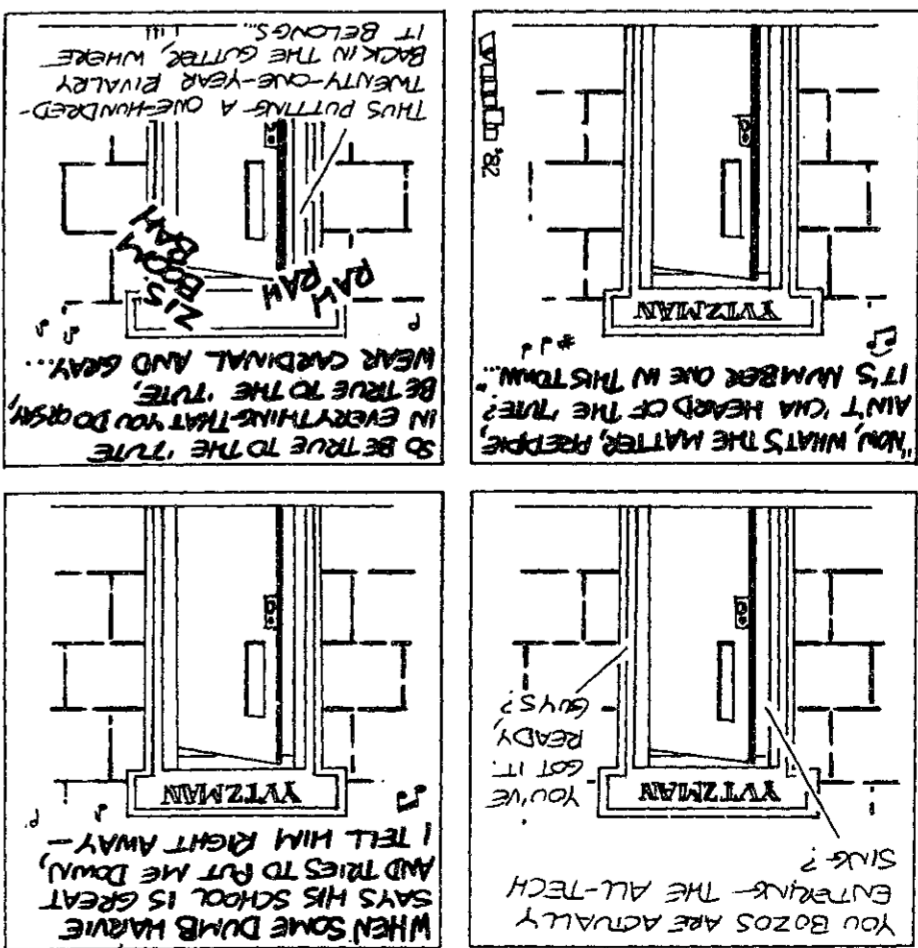
Stickers
 By Geoff Baskir



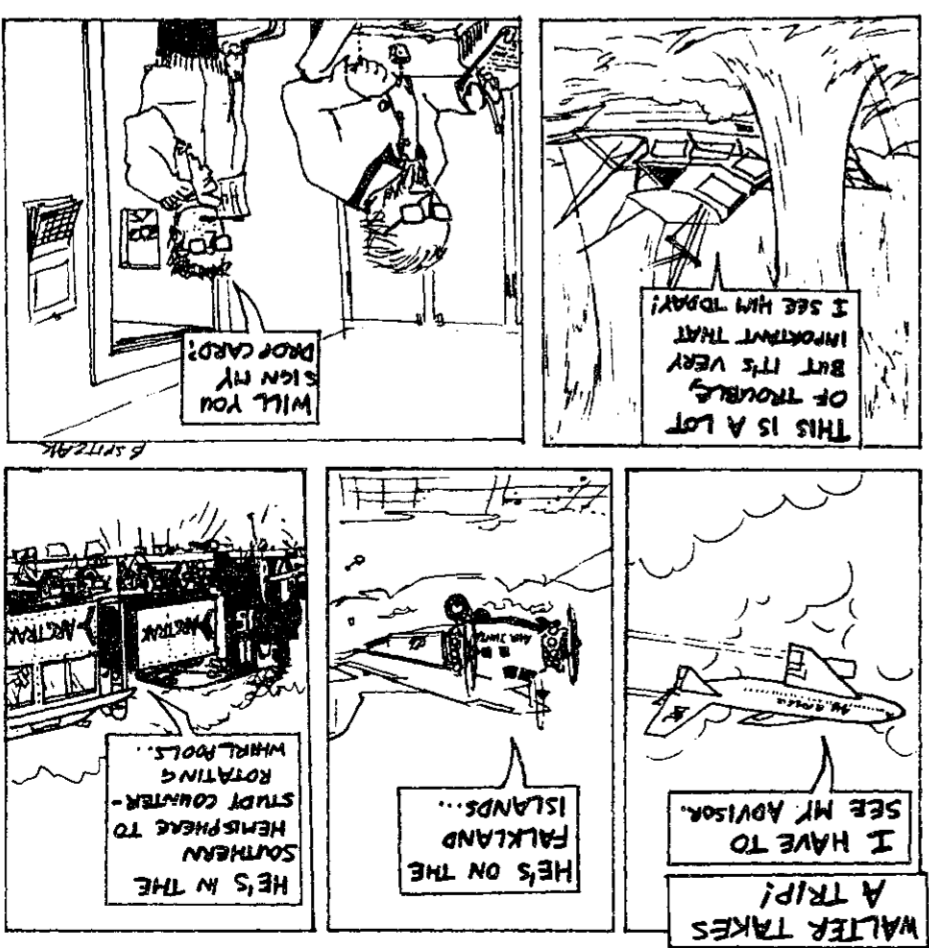
Room 001
 By Carol Yao



Outside Looking In
 By V. Michael Bove



Space Epic
 By Bill Spitzak



notes

Announcements

The MIT Activities Development Board is presently receiving applications for **Capital Equipment Funding** for student and community activities. Applications are available in Dean Holden's Office, W20-345.

* * * *

If you had books for sale at the **APO Book Exchange**, you should have picked up your checks and unsold books by now. If you haven't picked them up yet, they're still waiting for you at the Alpha Phi Omega office on the fourth floor of the Student Center in room W20-415. Questions? Call x3-3788.

Lectures

Issues in Arab Higher Education: Arabization is the Institute of Arab Studies lecture for May 3. The free lecture begins at 7:30pm at 556 Trapelo Rd., Belmont.

Off Campus

On Sunday, April 25, the March of Dimes will conduct **Walk-America** to help raise funds for the fight against birth defects. Seven local 30-kilometer routes are scheduled. Call 329-1360.

classified advertising

HELP WANTED

Steve's Ice Cream "Boston Store," 95 Mass Ave. Contact Joe, 262-5262.

LOST:

Man's ring, white gold w/star sapphire, inscription. Lost 4/5. Great personal value. **REWARD.** Call 225-8802.

NEED CREDIT?

Information on receiving Visa, Mastercard, with no credit card. Other cards available. Free brochure: call Public Credit Service: (602) 949-0276 ext. 917.

Local & Long Distance Moving. Regular Trips to All NE, NY, DC, NJ, PA, VA. No Job Too Small. Reasonable rates. 361-8185 or 364-1927. MDPU #1498.

Earn up to \$500 or more each year beginning September for 1 - 3 years. Set your own hours. Monthly payment for placing posters on campus. Bonus based on results. Prizes awarded as well. 800-526-0883.

WANTED

Part-time assistant writer/assistant editor/typist. Hours flexible, salary negotiable. Five minute walk from Copley station. Write to M.M., Apt. 21, 239 Commonwealth Ave., Boston, MA 02116.

**Surplus Jeeps \$65
Cars \$89, Trucks \$100**

Similar bargains available. Call for your directory on how to purchase. (602) 998-0575 ext. 6533. Call refundable.

Wanted to Rent:

Apple II+ Microcomputer, for one month, possibly longer. Must have minimum 48K memory, preferably two disk drives. Please call DAA Inc., (617) 547-0970.

50 YRS

Ladies Too!

COWBOY SHIRTS

LEVI WRANGLER
H-BAR-C
DEE CEE

Walker's can fit you TALL guys too!

Walker's

Riding Apparel, 292 Boylston St., Boston

Graduate Students

The deadline for receiving nominations for positions on Institute Committees has been extended. The new interview dates are April 26th and 27th. For an application and interview appointment, please contact the Graduate Student Council at x3-2195 during the afternoons, or stop by room 50-22 (Walker Memorial, riverside, above the Muddy Charles Pub).

Additional vacancies exist on the following Committees:

Presidential Committees:

- Athletic Board
- Commencement Committee
- Advisory Committee on Educational Video Resources
- Committee on Foreign Scholarships
- IAP Policy Committee
- Medical Advisory Board
- Prelaw Advisory Board
- Committee on Radiation Protection
- Committee on Safety
- Committee on the Use of Humans as Experimental Subjects
- Women's Advisory Board

Faculty Committees:

- Committee on Discipline
- Committee on Educational Policy
- Committee on Graduate School Policy
- Committee on the Library System

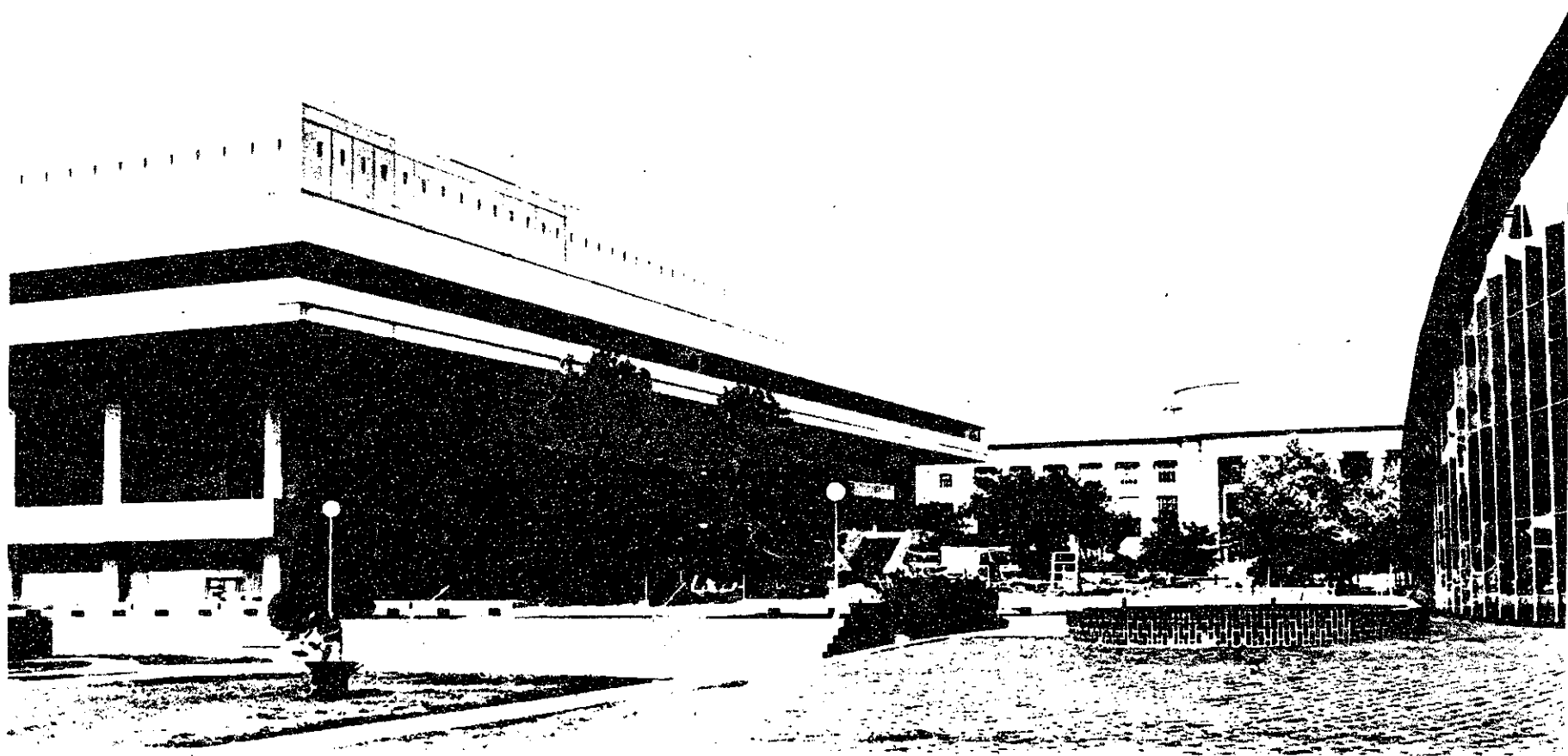
Corporate Committee:

- Corporation Joint Advisory Committee



Attention Student Activities

If your activity is planning an event for the **Summer or Fall '82** in the Student Center Preliminary Deadline is **May 1**



Application for space
Available in Room 345 of the Student Center
After May 1 all applications handled on a first come basis

sports

Tech second seed in MAIAW

on deck

(Continued from page 16) short, but the next three WPI hitters drew walks, bringing in another run. Robinson settled down, and struck out the eighth batter in the inning to retire the side.

The visitors' other run came in the seventh, on a walk, infield single, and a wild pitch. MIT had opportunities to score in the fifth and sixth, but the breaks did not go Tech's way. In the fifth, the Engineers managed to get a runner on third, but Joyce Kelley's liner was hit to the center fielder. Anderson led off the sixth with a solid smash that the WPI third

baseman came up with. Felts then laid down another bunt, but it struck her while in fair territory.

The disappointment following the loss was short-lived, however, when MIT learned it was selected for the state tournament, along with top-seeded Western New England College (WNEC), Curry, and Nichols. Tech is the second seed, with Curry third and Nichols fourth. Coach Jean Heiney and her troops are obviously pleased, though Heiney

WPI hurt our chances." She terms Curry, who defeated a strong Bates squad, "the darkhorse" of the tournament, and says Nichols is much improved over last year. Pitching and defense has carried the Engineers in 1982, and those two ingredients will be important today, Heiney notes.

MIT takes on Curry at 11am, with WNEC and Nichols squaring off at 1pm. The two winners battle in the finals at 3pm.

Friday
Baseball vs.
UMass-Boston 3pm

Saturday
Lacrosse vs. Springfield . . . 2pm
Club Rugby vs.
Manhattanville 1pm
Men's Sailing,
MIT Invitational 11:30am

Sunday
Men's Sailing, Gieger
Trophy 11:30am

Monday
Baseball vs. Brandeis 3pm

River schedule for Sunday, April 25:
(Compton Cup, Harvard-Princeton-MIT)
8:30am second frosh
8:50am third varsity
9:10am first frosh
9:30am second varsity
9:50am varsity

Special Beer Issue

HDT
1963-1982
Death
is
not
pretty

EL-AZAR

1755 Mass. Ave.
Cambridge, MA
Between Harvard Sq.
& Porter Sq.
"Lebanese Home-Style
Cooking"
Daily Specials \$3.99
Fine Food — Moderate
Prices
492-7448

**In Q
We Trust.**

Our international clientele depends on us because we have:

- GREAT PRICES
- NEW & USED
- BEST EQUIPMENT
- FASTEST SERVICE
- TRADE INS
- CONSIGNMENT
- BROKERAGE

on brands like:

- HAFLER PYRAMID
- REGA DYNAVECTOR
- GRACE THORENS
- McINTOSH APT/HOLMAN
- LEVINSON DYNACO
- QUAD AUDIO RESEARCH
- More Coming...Call!

SALES & SHIPPING WORLDWIDE
Mastercard & Visa Welcome.

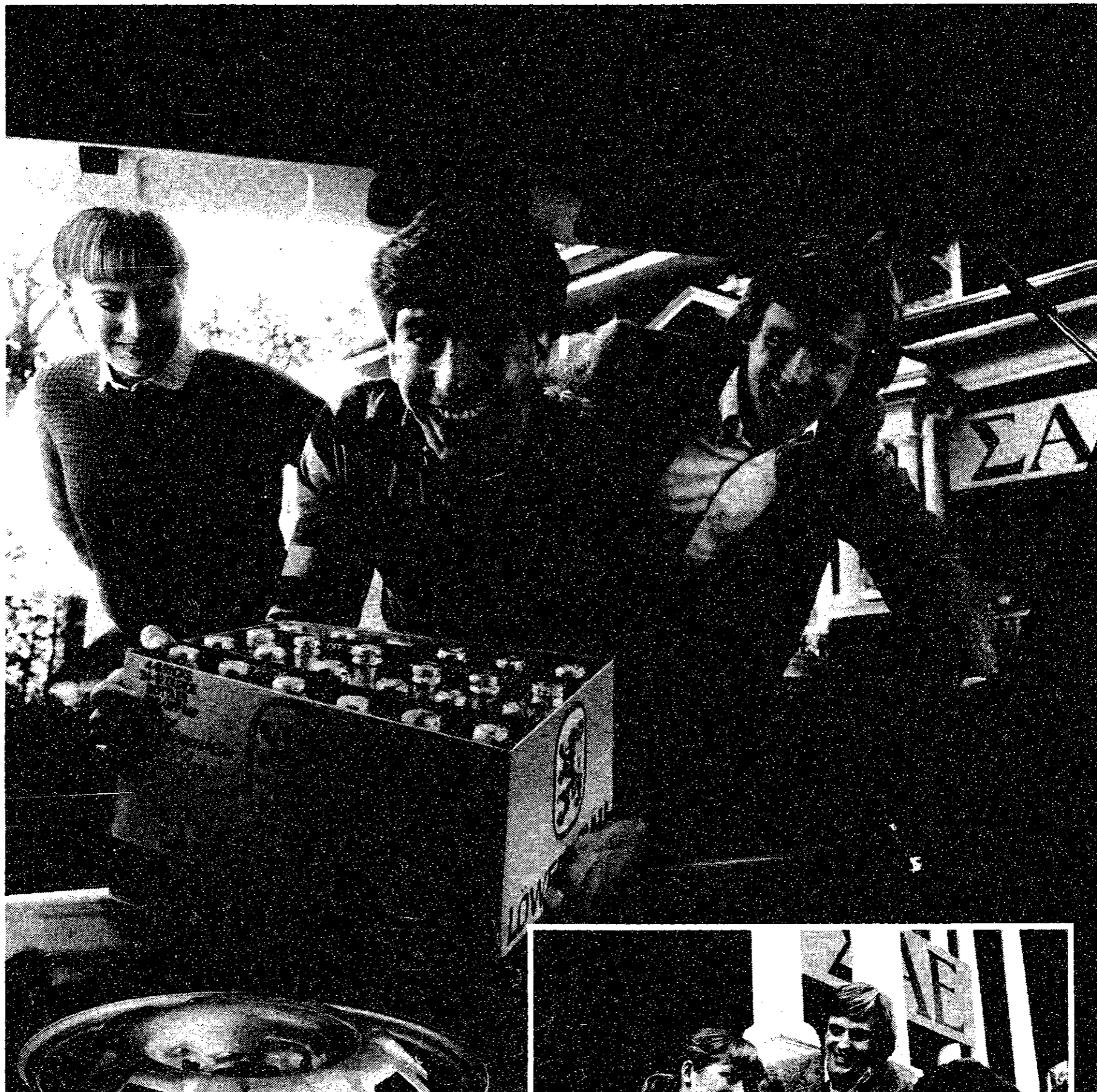
Q Audio.

There is no comparison.

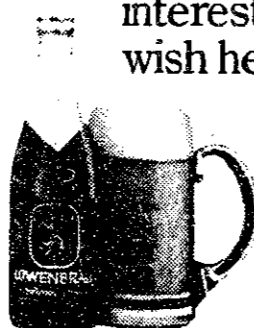
95 Vassar Street
Cambridge, Massachusetts 02139
617 547-2727

SEND \$1.00 FOR CATALOG!

**When a good friend borrows
your car, the tank may not come back full.
But the trunk does.**



When you get paid back with interest like this, it sort of makes you wish he'd borrow things more often.



Open up a few cold ones and toast a guy who really knows how to return a favor.

Tonight, let it be Löwenbräu.



Löwenbräu. Here's to good friends.

© 1982 Beer Brewed by Miller Brewing Co., Milwaukee, Wis.

50 YRS
**COWBOY
JEANS
BUTTON FLY**
levis
\$21.50 501's Guaranteed to
• FADE • SHRINK
• OUTLAST 'EM ALL
Walker's
Riding Apparel, 292 Boylston St., Boston

Softball in tourney despite loss

By Eric R. Fleming

MIT's softball team (3-2) took it on the chin Tuesday, suffering a 3-0 loss to WPI on Briggs Field. Despite the loss, the Engineers earned a berth in the Massachusetts AIAW tournament, which takes place today.

The story of this game was pitching and defense. MIT's Cindy Robinson, who has sparkled on the mound all season, breezed through the first four innings, giving up just one walk. Robinson was helped by a flawless Tech defense, with third sacker Laurel Carney '83 and shortstop Lou Jandura '84 making a pair of good plays to keep the door closed.

Meanwhile, WPI's pitcher held MIT scoreless, inducing many Tech hitters to pop up into a stiff breeze blowing in from right field. MIT's best chance to score came in the fourth inning. Catcher Terry Felts put a bunt down for a single. Felts stole second as a fake bunt by Carney left no one to cover the bag. Carney subsequently bunted Felts over to third. At this point, however, the threat ended as Jandura and Robinson flied out to end the inning.

WPI broke the deadlock with two runs in the fifth. The leadoff batter hit a soft fly to center, which Liz Anderson '84 almost snared after making a long run.

Following a sacrifice bunt, the third hitter in the inning doubled down the right field line, scoring one. The next batter popped to

(Please turn to page 15)

Heavies edge CGA

By John DeRubeis

Although MIT's varsity heavy weight crew team lost its opener to Columbia and Temple University, Tech came back to the Charles River last Sunday to end a 14-race losing streak in a very spectacular fashion, beating the United States Coast Guard Academy by a narrow margin of two-tenths of a second.

Due to high winds and white caps on the river, the race was moved upstream near the Coca Cola Bridge, the "power stretch" part of the Charles, where the race was shortened to 1400 meters from the normal 2000-meter race. MIT made its move on Coast Guard at the 800-meter mark, allowing Tech to finish the course

in four minutes, 50.7 seconds, followed closely by Coast Guard at 4:50.9.

The oarsmen responsible for the victory were (bow) Tony Jones '83, (2) Bill Nunan '82, (3) Tom Stephien '83, (4) Bob Kukura '84, (5) John Magnusson '84, (6) Ted Jenson '82, (7) Mark Schaefer '83, (stroke) Mike Sizoo '83, and (cox) George Gruetzmacher '82.

MIT's record now stands at 1-1. Tech's next race will be at home this Sunday, when the Engineers will compete against Harvard and Princeton for the 44-year-old Compton Cup. MIT will be looking to break Harvard's nineteen-year winning streak. The varsity race will begin at 9:50am.

Lacrosse — MIT's lacrosse team faced Bowdoin this past Wednesday and suffered its third consecutive loss. Bowdoin won by a score of 23-7. Scorers for MIT were:

- | | |
|-----------------------|------------------------|
| 1 Mike Larow '82 | 1 Harry Lipsschitz '82 |
| 1 Greg Czuba '83 | 1 Dennis Sacha '84 |
| 2 Stuart McKinnon '82 | 1 Mark Johnston '84 |

The outstanding player for MIT was goalie Billy Larkins '84 who, after 62 unmerciful shots on goal, made an amazing 39 saves. MIT had 23 shots on goal for the first 3 quarters, but had no shots the final quarter.

Golf — Tuesday, MIT finished third in the Greater Boston Championships at Concord Country Club. The tourney was won by Boston College with a team score of 803 over 36 holes. Harvard finished second with 810, while MIT shot 844, with Tufts (862) and Northeastern (878) bringing up the rear. Starring for MIT was Morris Kesler '83, who fired rounds of 78 and 80, good enough for third place individually. MIT's record now stands at a strong 7-3-1, the rare tie earned in a match with Tufts last Saturday.

Baseball — Fine pitching carried the baseball team to three wins in five games last week. Al Fordiani '82 scattered four hits in MIT's 7-1 win over Coast Guard Saturday, the first of two games that day. The academy took the nightcap, 10-0, as Mitch Russel fired a one-hitter. Sunday, MIT defeated Babson 6-3, with frosh Dan Ferguson getting the win. The Engineers gave a tough Brandeis squad all it could handle before falling 3-1 Tuesday, and on Wednesday, Suffolk was the victim of a 6-5 Tech win. The weekend's slate shows two games, UMass-Boston here today at 3pm, and Bates in Lewiston, Maine tomorrow.

ENTROPY MINIMAX SOURCEBOOK
7-VOLUME SERIES
by R. Christensen
A powerful computerized
pattern discovery system
Available at the
TECH COOP and
ENTROPY LIMITED
Department 18
South Great Road
Lincoln, MA 01773

We Transcribe Tapes of
Conferences, Seminars,
Interviews

Don't wait weeks or months!
Do type it while it is happening!

Whether you have taped a 30-minute field interview or a 50-hour conference, no service in New England can type it faster than we can. We will save you time, anxiety and money.

129 TREMONT ST. BOSTON 423-2986
1278 MASS. AVE. HARVARD SQ.

THE SKILL BUREAU

Announcing
Ambiance
unisex salon.

Students' special
with this ad
cut \$10 reg. \$12

Open Mon-Fri 9-7 Sat 9-5

757 Cambridge St.,
Cambridge
492-9891

Ten minutes walk from MIT
through Portland St.

50
YRS

Men's & Ladies
**COWBOY
BOOTS**

TONY LAMA ACME
JUSTIN DINGO
DAN POST TEXAS
DURANGO
FRYE

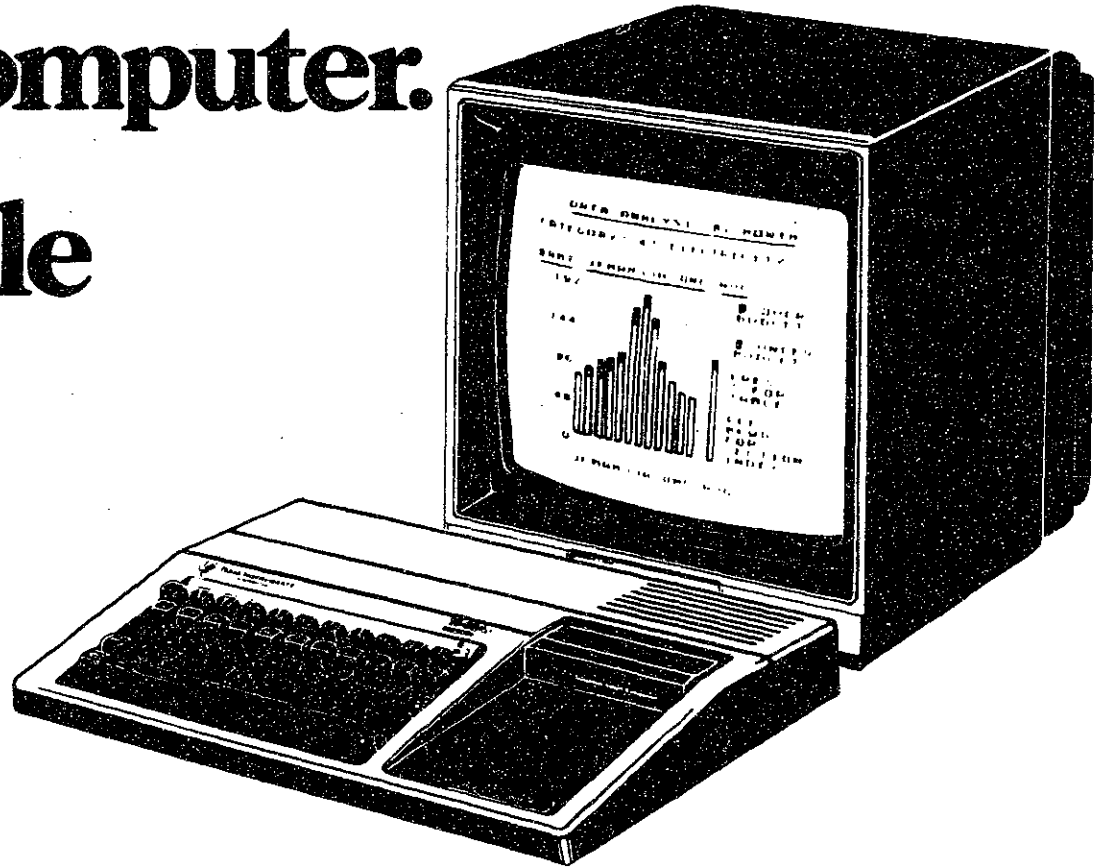
Starting at \$49.95

Walker's

Riding Apparel, 292 Boylston St., Boston

The Texas Instruments Home Computer.

It's a whole new way to learn.



Having your own computer can open a whole new world for you. Whatever your chosen field, you'll find the Texas Instruments Home Computer a powerful tool for analysis, problem solving, record keeping, decision making, research, and more. And the power it places in your hands can be put to work quickly and easily.

Broad choice of software

Pre-programmed Solid State Software™ Command Modules — based on the same concept proven in TI's programmable calculators and containing up to 30k bytes of read-only memory — simply snap into place and you're ready to go. There are more than 40 of them. And over 400 more programs are available in cassette and diskette formats. There's a broad and fast-growing choice in the areas of engineering, science, business, art, self-improvement ... and entertainment.

Powerful programming capability

For your own programming, you'll find TI BASIC is a rich and versatile language. It's powerful, yet easy to learn and use. What's more, it's built right into the Texas Instruments Home Computer. Random-access memory supplied is 16k bytes (ex-

pandable to 48k bytes). There's an excellent, typewriter-style, full-travel keyboard with overlays for second functions. Sixteen colors are available and sound through five octaves — 110 Hz to beyond 40,000 Hz — with capability for three simultaneous tones. At the heart of it all: a 9900-family, 16-bit microprocessor.

Optional accessories — including speech!

With the Solid State Speech™ Synthesizer accessory, you can add electronic speech — more than 370 English words. Use it with the Terminal Emulator II Command Module and TI's phoneme stringing technique delivers a virtually unlimited vocabulary. Other optional accessories include Memory Expansion (32K bytes of RAM), Disk Memory Drive and Controller, Telephone Coupler (MODEM), Solid State Printer, RS232 Interface, Wired Remote Controllers, 10-inch Color Monitor, and a Video Modulator.

Compare and you'll find the TI-99/4A Home Computer gives you more for your money, feature for feature. And, if you have a television receiver, you can get started for less than \$600! See your dealer today for a demonstration.



Texas Instruments invented the integrated circuit, microprocessor and microcomputer. Being first is our tradition.

TEXAS INSTRUMENTS INCORPORATED

©1981 Texas Instruments Incorporated

240013