

Visiting Committee considers ODSA

By John J. Ying

The Office of the Dean for Student Affairs (ODSA) "is making commendable progress in building greater awareness and participation with both students and faculty, [but] should improve the quality of its contacts with students," according to the report of the MIT Corporation's Visiting Committee on Student Affairs.

"Conscious, programmed steps should be taken by ODSA to improve the perception of being approachable," recommended the report, released this week.

The Visiting Committee supported the recent reorganization and austerity measures of the Dean's Office. "The ODSA, while feeling the effects of real budgetary restraints, is a strong, effective service within the Institute," the report states.

"Visiting Committees are important for two reasons," said Shirley M. McBay, dean for student affairs. "First, it forces [the Dean's Office] to look closely at ourselves in preparing our report to [the Visiting Committee]. Secondly, it provides for an objective

opinion . . . [and] presents a new perspective."

The Visiting Committee considered the status of campus activities at this year's November meetings. In its report it found that "[s]tudent government does not appear to be particularly effective today," pointed out that participation in student activities increased a student's worth in the job market, and recommended levying an activities fee to better finance the student groups.

"While there is no panacea for the allocation of resources to student activities," the Visiting Committee reported, "we suggest that students and ODSA explore the appropriateness of an activities fee at MIT. Such a fee set by students and billed separately has proven to be an acceptable practice on other campuses."

The Visiting Committee recommended establishing a task force consisting of the leadership of major student organizations and governments to review and to resolve the problems currently plaguing the Undergraduate Association. It recommended a stu-

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Chairman Howard W. Johnson (left) wishes "Doc" Edgerton '27 a happy 80th birthday, Page 2.

Committee reviews ODSA

By Burt S. Kaliski

An advisory committee to the Undergraduate Association (UA) Wednesday afternoon composed a list of twelve goals for student government and rated the status of the goals as "nonexistent," "in sorry shape," and "fine but could be optimized."

"If we needed [a judicial body]" — one of the group's goals — "it wouldn't be there," said Steven M. Barber '84, co-chairman of the UA Student Committee on Educational Policy.

Four goals — to provide for the cultural development of students, to provide services MIT does not provide, to teach skills of leadership and management of organizations, and to supplement education — were rated "fine but could be optimized."

Providing cultural development is "incredibly basic," said John S. Kowtko '83, chairman of the Student Center Committee. Otherwise students "would be studying 24 hours a day." Any nonacademic activity promotes cultural development, he claimed.

"Since we have no way to check if we're doing what the students want," said Ira M. Summer '83, floor leader of the UA General Assembly, the UA can only respond correctly "by luck."

The committee agreed student government's resource allocation is "in sorry shape."

There are "only a certain number of spaces in the Student Center," commented Noelle M. Merritt '85, class president.

Providing information to the student body — a goal suggested

to the committee by Michael P. Witt '84, UA president — is a function "nonexistent" in the present student government, the committee declared.

Three more functions — to voice and defend student opinion to the MIT administration, to arbitrate disputes among activities, and to make long range plans — were also termed presently "non-existent" by the committee.

"Right now, we're split up into a lot of different groups: fraternities, dorms; Course VI, real people," said Summer. The committee again used "nonexistent" to describe the UA's efforts to unify the student body.

"We've got to know our stuff cold" before suggesting changes to student government, Summer said. The committee will meet again at 4pm Wednesday.

Finance Board Chairman Charles P. Brown '84 and Vice Chairman-elect Kirsi C. Allison '84, UA Nominations Committee Co-Chairman Robin L. Barker '85, UA Secretary-General Beatriz Garcia '85, Technology Community Association Projects Vice President Donald S. Kane '85, General Assembly Executive Committee member Ishai Nir '86, and Tech Chairman V. Michael Bove '83 attended the meeting.

Baltimore presents microbiology lecture

By Andrea Marra

"University scientists make poor businessmen," declared Nobel laureate David Baltimore '61, professor of microbiology, at a lecture "Will Success Spoil Molecular Biology?" sponsored by the Society of Sigma Xi Tuesday.

An increasing number of professors are leaving universities for industry, noted Baltimore, director of the Whitehead Institute for Biomedical Research. Scientists lack business acumen, he said. "We can't afford to have the best taken from the universities."

Corporate grants for research and professional consulting by

university faculty may stop the departure of professors, Baltimore asserted, but "this industrial invasion of university campuses leaves the intellectual community both disturbed and excited."

Professors with corporate interests necessarily have a "conflict of interest between loyalty to the university and loyalty to industry," Baltimore said. A corporate professor would strengthen industry, he claimed, at the expense of the university's integrity and of student-faculty relationships.

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MIT generates energy program

By Roderick A. Dick

The MIT Schools of Architecture and Engineering recently launched a major program to improve the energy efficiency of buildings.

The program is intended to develop more energy-efficient technologies and designs for both buildings and their energy systems, to organize and disseminate research findings, and to help train students in the field, according to Leon Glicksman, senior

research scientist in the Department of Mechanical Engineering and director of the program.

"Presently, researchers frequently proceed in isolation," Glicksman continued. "We'll use seminars, workshops, publications and conferences to get the word out, and we'll be looking at new techniques for disseminating and using research."

"Work in this area is usually not done in this way and is there-

fore highly fragmented and not complementary," Glicksman said. "Architects and engineers, for example, normally ask very different questions, use incompatible methods and are largely unaware of one another's efforts."

Ten faculty members in the Schools of Architecture and Engineering and 30 graduate students affiliated with the project have begun their research funded by industry and by government

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Rathjens favors disarmament

By Wei-Chung Hu

"Depending on how you look at it, either side could be interpreted as being ahead in the arms race," said George W. Rathjens, professor of political science, at a Disarmament Study Group lecture "The Dynamics of the European Arms Race" Wednesday.

The strategic arms race in Europe is a decidedly simpler problem than the entire nuclear arms race, Rathjens began. There are only two parties in the bilateral arms race, he said, and the number of weapons on both sides can be counted with great accuracy and precision.

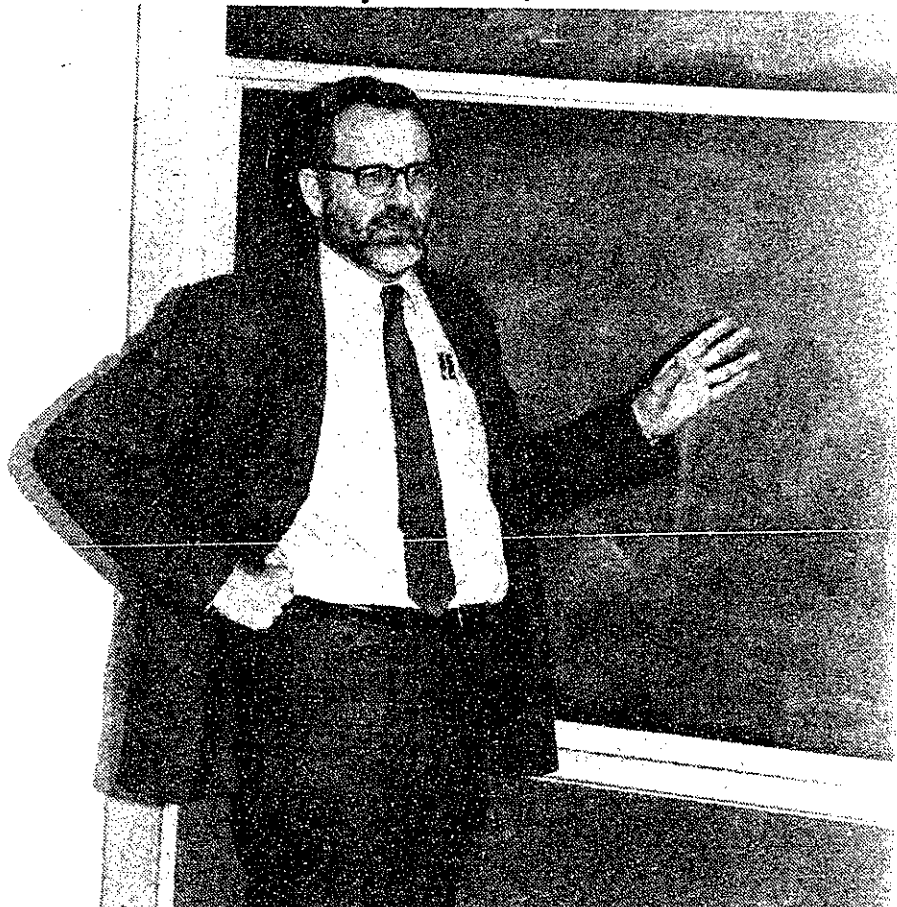
"We assume [there are] rational decision makers on both sides" — the United States and the Soviet Union — "whose objectives are to match their opponent's forces in an effort to deter them," Rathjens said.

"We have the idea that there is a certain advantage to having more artillery, tanks, and manpower than the enemy," he continued. "Many feel that these weapons will affect the outcome of any war in the European theater, because there is a great hesitance to using nuclear weapons. One might ask whether nuclear weapons are salient at all."

A few groups believe nuclear weapons can be used decisively in Europe, Rathjens noted. Members of the groups are "predominantly civilians and junior officers who haven't experienced the confusion of battle and the breakdown of all intelligence associated with it."

The presence of nuclear weapons in Europe and the threat missiles will be used under certain circumstances, many believe, is a great deterrent to warfare. "Missiles such as the Pershing might be used against the Soviet Union in the event of an attack by the Warsaw Pact countries," Rathjens said.

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Tech photo by Henry Wu

Professor George W. Rathjens discusses the specter of nuclear war.

inside

Tech Show, the ghost with the most. Page 9.

Prof. Morris Adelman discusses OPEC and oil. Page 11.

Edgerton celebrates birthday

By Sam Cable

MIT dedicated the west half of the fourth floor corridor in Building 10 as the Harold E. Edgerton Strobe Alley yesterday in honor of Institute Professor Emeritus "Doc" Edgerton '27 on his 80th birthday.

Howard W. Johnson, chairman of the MIT Corporation, opened the dedication ceremony by recounting Edgerton's arrival at the Institute 57 years ago and describing the history of his famous stroboscopic laboratory. The lab began operating in the late 1920's, Johnson said, and moved to its present "Strobe Alley" location in 1962.

"Strobe Alley is not the first, nor will it be the last time we will honor Doc," said Johnson. Several Institute awards have been created in honor of Edgerton, he said, and the new EG&G Educational Center will bear his name.

Edgerton is a "beloved colleague and friend," said President Paul E. Gray '54. The professor "ranks foremost" among those who have brought international fame to MIT, Gray added, praising Edgerton for touching the lives of thousands of students and colleagues at the Institute.

Edgerton and Gray unveiled the plaque identifying the hall after the speeches.

A birthday party for Edgerton followed. His cake was decorated with a one-foot high model of an apple with a bullet speeding through it, recalling Edgerton's famous strobe photograph.

Edgerton received birthday greetings from well-wishers for an hour after cutting his cake. He talked with television reporters, demonstrated some strobe effects with water drops, and lead renditions of "You Are My Sunshine," "She'll Be Comin' 'Round the Mountain," and "When the Saints Go Marching In" on the guitar.

Baltimore discusses microbiology

(Continued from page 1)

"The training obligation of a professor [to students] is more important than any" funding derived from companies, Baltimore said.

Molecular biology gained attention during the 1950's due to research into genetics, Baltimore said. Molecular biology is "the view of biological events as the result of the digital code in DNA," he said. DNA's structure, discovered 30 years ago, "is all one needs to know about biology," Baltimore humorously noted.

Recombinant DNA research is one of the most interesting and controversial fields in molecular biology, according to Baltimore. It opens several opportunities, including the ability to program microorganisms to produce a needed substance, and the ability to manipulate human heredity. Each capability "has its own excitements and problems," he said.

Genetic modification of body cells is "neither immoral nor inappropriate," Baltimore claimed, because it does not affect the offspring of such cells. Germ-line gene modification, on the other hand, will affect later generations. There is much concern over this type of research, Baltimore noted, because "we are left a bit frightened by the prospect of modifying our own heredity."

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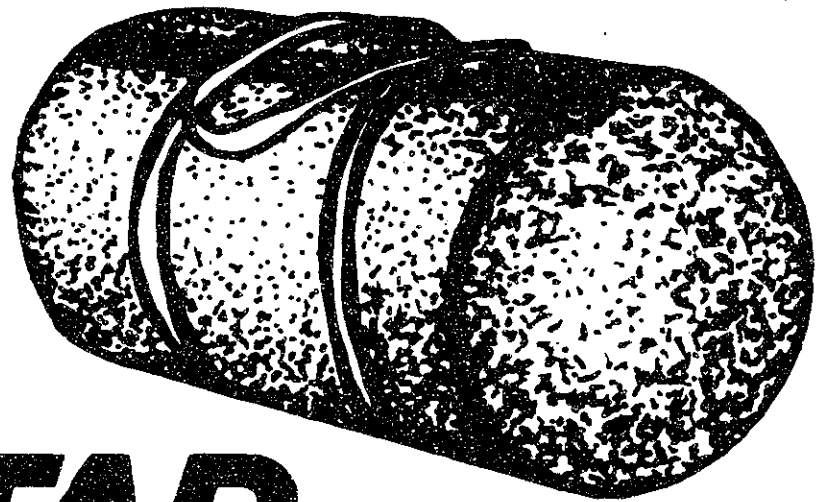
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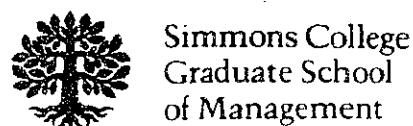
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Panel I-5:30-6:30 p.m.

Panel II-7:30-8:30 p.m.

School representatives will be available to discuss individual programs.



news roundup

World

Forty-seven Soviets expelled by France — The French government expelled 47 Soviet personnel Tuesday for spying on French military, technological and scientific secrets. The deportation, surprising due to the presence of French Communists in the Socialists' coalition government, was the latest and most dramatic event in the recent wave of Soviet expulsions from western European countries. Experts believe French President François Mitterrand chose to dramatize the expulsions by ousting the Soviets all together rather than discreetly removing a few at a time. The Soviet government is expected to respond with cuts in trade to France and with the expulsion of French diplomats.

China protests US decision to give asylum to tennis player — In a formal protest Wednesday night, China accused the United States of interfering in its internal affairs through the "condemnable" decision to grant political asylum to Hu Nain, a 19-year-old Chinese tennis star. The US decision, announced Monday, ranks as one of the serious problems embittering Chinese-American relations. Na defected in July when she attended an international tennis tournament in San Francisco.

Vietnamese forces attack Cambodian refugee camps — Vietnamese troops occupied the refugee camp controlled by exiled Prince Norodom Sihanouk's forces in O Smach. The attack forced 20,000 Cambodian refugees to flee into Thailand. A Thai warplane bombed Vietnamese positions in Phnom Chat when the troops crossed the Thai border.

Nation

Communications satellite strays in misshapen orbit — The booster rocket on the world's largest communications satellite malfunctioned while the space shuttle Challenger deployed it Tuesday. The satellite achieved orbit approximately 8000 miles below its intended geosynchronous orbit. NASA spokesmen said the satellite's position can be corrected, but the adjustments may take weeks to accomplish. The \$100 million Tracking and Data Relay Satellite (TDRS) is crucial for the success of the Spacelab flight in September.

3000 protest Reagan's presence in Pittsburgh — President Ronald W. Reagan arrived in Pittsburgh Wednesday attempting to regain political support among blue-collar workers. He was met by a group of 3000 demonstrators, many unemployed steelworkers, protesting the Reagan administration's economic policies. Unemployment in Pittsburgh has risen to 16.2% since 1980. In his speech to the National Conference on the Displaced Worker, Reagan emphasized his support of the \$4.6 billion jobs package recently passed by Congress and which Reagan signed into law.

Watt bans the Beach Boys from Fourth of July celebration — Controversial Interior Secretary James Watt banned the Beach Boys and other rock groups from the government-sponsored Fourth of July celebration on the Washington Mall saying rock music attracts "the wrong element." Watt said the Beach Boys and other such groups "have not attracted families and have in fact created drug and alcohol problems and other serious dangers for visitors." Washington, D.C. radio stations were deluged with protest calls. The Beach Boys said Watt's edict was "unbelievable."

Weather

Fair skies through the weekend — Skies will be clearing today with some sun in the afternoon. Temperatures will vary today from the middle 50's to the upper 30's tonight. Saturday and Sunday will be fair with highs in the 50's and lows in the 30's.

Paul Sheng

classified advertising

KEYS FOUND

A set of keys was found outside room 10-250. Chain is facsimile of Broadway show ticket. Contact Matt, x3-1541, to claim.

Needed: Ushers for graduation and the president's reception, May 27, 1983. Ushers will not be paid. However, they will be permitted to remain in their dormitory free of charge during that week. Interested? Contact Trudy Dress, 5-119, x3-4971; or Ann Tulintseff, x5-8596.

Needed: Place to stay for summer. Preferably cheap. Must allow pets. An engineering student working in area from 5/31-late August. Call Mark (607) 272-6246 evenings.

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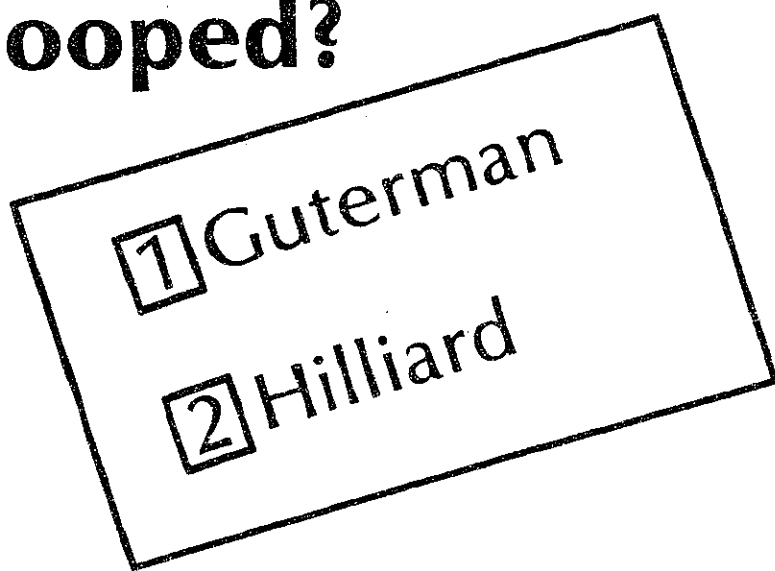
YOUNG ADULT COLLEGE GROUP now forming for social events and sports activities to be held on week-ends during the summer in Hyannis Cape-Cod sponsored by the Cape-Cod Jewish Singles Club. If interested in joining or for more information, call Fran or Bob at 332-3225 or 244-0543.

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opinion

FIRES THAT DESTROYED CHICAGO...



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Column/Duncan Borland

Opening eyes to spring

I don't care what the meteorologists say; today was the first day of spring. As soon as I left the dorm this morning, I knew something was up. The air had a different quality than it's had lately. At first I couldn't put my finger on the difference. It wasn't raining for a change; the broad sky was powder blue, clear except for a few wispy clouds around the fringe. But there was something more than that. Something positive, something good in the air.

On the way to class, I found myself looking around, freshly aware of the trees and bushes that line the path. The hanging branches on the weeping willow by Baker House were longer than I remembered and seemed to have turned greenish yellow without my noticing. The forsythia beneath them were sprouting small yellow buds.

Someone was bent over by the little garden around the corner. I glanced over and discovered him looking at some purple crocuses. Judging by their size, they must have been blooming for at least a week. I couldn't believe I hadn't noticed before. Looking closer, I found the purple flowers had bright yellow stamens, and found bunches of white, yellow, and purple and white striped crocuses. Inside the garden grew more crocuses and a solitary daffodil, only about two inches high but in full bloom.

I paused for a moment and looked around the garden at the azaleas and other flowers not yet

in bloom. How was it that I had never stopped there for even a moment? I sat briefly and tried to inhale some of the fresh life, then ran along to class, promising myself I would keep my eye on the little garden and watch it blossom through the spring.

In class I was both more bored and more excited than usual. At noon I headed through Killian Court planning to go to lunch, but found a surprise there instead. The steps by Lobby 10 were covered with people leaning against the pillars or on makeshift pillows made from the jackets they had removed. Some were sitting by themselves, reading or just looking around, taking in the scene. Others were talking animatedly and laughing. A few even had their shirts off! All were facing the sun, happily soaking up rays.

I sat and looked across the court. People were sitting on the grass, on benches under the trees, and on the sculptures at the far end. I watched the people coming out of Building 10. As soon as the sun hit them, their features softened. For a moment, they looked around a little stunned, then gentle smiles began to break on their faces. Not big grins; just hints of upturned corners on their mouths.

Looking back toward the river, I noticed the tops of the big trees lining the court were covered with a delicate red haze. And the small craggy trees closer to me

had tiny green buds on each branch. Squirrels frolicked along the ground, chasing each other in the awkward bouncy way squirrels run, then bounded up and around the trees out of sight. A small flock of pigeons worked their way slowly and steadily down the row of fresh grass seed planted along the boundary of grass and pavement.

I soon had to remove my jacket and was tempted to take off my shirt. It was hot! For the first time all year, it was really hot. Not even during spring break in Virginia had I felt a sun like that, a tanning sun with potential for burning. I closed my eyes and slowly baked, imagining I was on a sandy beach by the ocean.

Just beyond the cars rushing up and down Memorial Drive were the tops of sailboats gliding smoothly along the river. The surest sign of spring.

Most of the rest of the day, I walked around, just trying to keep my eyes open so I could see as much of what was going on as possible. Work was put on hold; today there were more important things to do. I'd spent too long walking around with my eyes closed. Now that they were open for a little while, I wasn't about to waste time with my face in a book. Setting priorities is always important and, especially in the spring, flower and people watching is a high priority activity. There's always work to do, but somehow it always seems to get done. I figure I have to control the work or it will take over and control me. It's sometimes better to punt than to go to class.

So I walked around and looked at the jugglers and softball players, and all the people dressed in bright blue, red, or green carrying their jackets over their arms. More people looked me in the eye today than any other day this year. Eyes sparkled. People seemed to be paying attention to the world around them; at least they were looking around a lot. There was some sort of contagious magic in the air making everything more beautiful. Even the people; call me a sexist if you want, but I saw more beautiful women on campus today than I've seen all year. I hope there were more beautiful men, too.

A perfect spring day. We'll have some more nasty weather, but as far as I'm concerned, it's spring now. Pressure will grow as finals approach, but I'll try to keep my eyes open and watch the world. I want to slow down a little bit, enough to watch the daffodils and azaleas bloom.

feedback

Women's coalition lauds LSC decision

Editor's note: The Tech received a copy of the following letter sent to MIT President Paul E. Gray '54, Assistant Dean for Student Affairs Stephen D. Immerman, and Lecture Series Committee Chairman Leo J. DaCosta '83.

To the Editor:

The Intercollegiate Women's Coalition applauds the January 31, 1983, decision to cancel the pornographic film at MIT. As an organization of Boston area college women's groups, the coalition is deeply concerned about pornography on the college campus. While we are pleased that this semester's registration day film has been cancelled, we realize that open discussion about pornography at MIT has just begun. It is essential, then, that the MIT administration realize that it is the Institute itself, not merely the Lecture Series Committee (LSC), that is ultimately responsible for MIT's role in financially and morally supporting the pornographic industry.

Far from being merely a question of First Amendment rights, it must be recognized that pornography is a highly offensive and potentially dangerous form of media. It is not simply sex or nudity. Pornography is an affront to the safety and dignity of all women. Any serious consideration of pornography at MIT, then, must address the concerns of the feminist community, of which we are a part.

Members of LSC have recently asserted their belief that the pornographic films shown at MIT are "soft-core" and thereby inoffensive. That is a lie. Pornography, in any and every form, sexually objectifies and exploits both men and women. It promotes the notion that a human being, particularly a woman, is no more than a sexual object to be used and abused. It encourages the notion that all relationships between the sexes need be based on dominance, and ultimately, on violence. There is no such thing as good pornography.

The appeal to tradition is often invoked in explaining pornography's presence on the MIT campus. This is only a description of the situation, however, not a jus-

tification. A multitude of moral wrongs in the past such as slavery could be described as traditional, yet certainly one cannot accept this as a valid excuse. The faulty judgments of those in the past does not lessen the responsibility of those presently in decision-making positions. Furthermore, "traditional" at MIT has become a euphemism for "pornographic." The February 2, 1983, issue of *The Tech*, for example, refers only to the cancelled movie as the "traditional registration day film." Don't the members of the MIT community realize such films are pornographic? Are they merely ashamed to admit it?

Finally, as most members of the pornographic industry claim, LSC's explanation of its policy is reduced to financial considerations: Pornography is extremely profitable. This, however, is no more moral reasoning than the appeal to tradition. The tremendous profit from pornographic films cannot balance the harm inherent in the exploitation of women's sexual integrity or in our desensitization to rape and other acts of sexual violence. LSC, in renting these films, and MIT, through providing facilities and support to LSC, condones pornography as well as its offensive and dangerous message.

Pornography's statement about women is clear. For more than a decade, MIT's message to the entire Boston area women's community has been just as clear. The decision to cancel the pornographic registration day film on Monday, January 31 was a significant one, and it did not go unnoticed. The Intercollegiate Women's Coalition is committed to its fight against pornography on the college campus, and we hope to be a part of any further related discussion of it at MIT. We anticipate an administrative policy condemning pornography on the MIT campus in the coming months. From an institution committed to the advancement and improvement of its society, we would expect no less.

Kenly Belt
Mindy Weinstein
The Intercollegiate
Women's Coalition

Dynamics of conscience

Editor's note: The Tech received from Hank Bromley '83 copies of the following two letters.

Dear Mr. Bromley,

Thank you for your interest in General Dynamics Data Systems Division.

We have reviewed your qualifications at considerable length and, although they are favorable in many respects, we feel that your capabilities do not fully coincide with our position requirements at this time.

Your file shall be retained for a period of time so that we may consider you for employment as additional job opportunities become available.

Please accept our thanks for your interest in this Division.

J. N. Basile
Manager, Industrial Relations
Eastern Center

Mr. or Ms. Basile:

I congratulate you on the zealous execution of your duties with respect to college relations for

General Dynamics. The promptness with which you evaluated my suitability for employment and subsequently notified me as to GD's disposition in the matter (your letter of 15 March) is indeed surprising — all the more so since I never applied to work for General Dynamics.

Judging from the old address you wrote to, my guess is that someone pulled my resume out of the MIT Science and Engineering Resume Book and circulated it. Its source was perhaps forgotten, and someone assumed that since he/she had my resume, I must have applied.

The irony is enhanced by the fact that my conscience would sooner allow me to be bombed by an F-16 than to help build one. Should your own conscience ever trouble you, I hope the humorlessness of the world strikes you as it does me. Some of us find it a far greater defense than militarism.

Hank Bromley '83

The Tech

Volume 103, Number 17

Friday, April 8, 1983

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Opinion

feedback

Watching pelicans and the arms race

To the Editor:

I spent my spring break amongst the pelicans of the Virgin Islands. In the evenings, I watched them flying high, looking for fish, spotting fish, stalling, diving, with necks stretched and wings tucked into tight W's; forty pelicans hitting the water in rapid succession like heavy raindrops on a lake. The lucky ones would tilt their heads back and shake the fish down their throats.

After I left the pelicans of the Virgin Islands, I heard about Reagan's push for an antiballistic system. I was struck by the contrast between the art in purpose of pelican life and the self-defeating purpose of an antiballistic system.

Allow me to clarify the latter contention. Let us imagine that students at MIT perfect an antiballistic system, guaranteed to knock out any missile from Russia or you get your money back.

If you were Russian, what would you do?

This is what I would do; smuggle atomic weapons into American cities and store the bombs in covertly owned warehouses for use when needed.

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thousands of boxes that say "This End Up," that remain untouched for years.

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No antiballistic systems could knock out the smuggled bomb.

There is no doubt we could spend billions of dollars and develop an antiballistic system. However, there may be a box that says "This End Up" — a block from your job, or a block from your home — a box that could vaporize a large section of your city. The more we push for an antiballistic system, the more likely a bomb will be planted in our backyard.

I miss the pelicans of the Virgin Islands. They have a genuine reason for being.

Douglas Sweetser '84



THEY'VE BEEN TRYING TO HAVE A BABY FOR YEARS, SO WE FINALLY LET THEM ADOPT...

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, executive 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 may be withheld upon request. *The Tech* reserves the right to edit or condense all letters.

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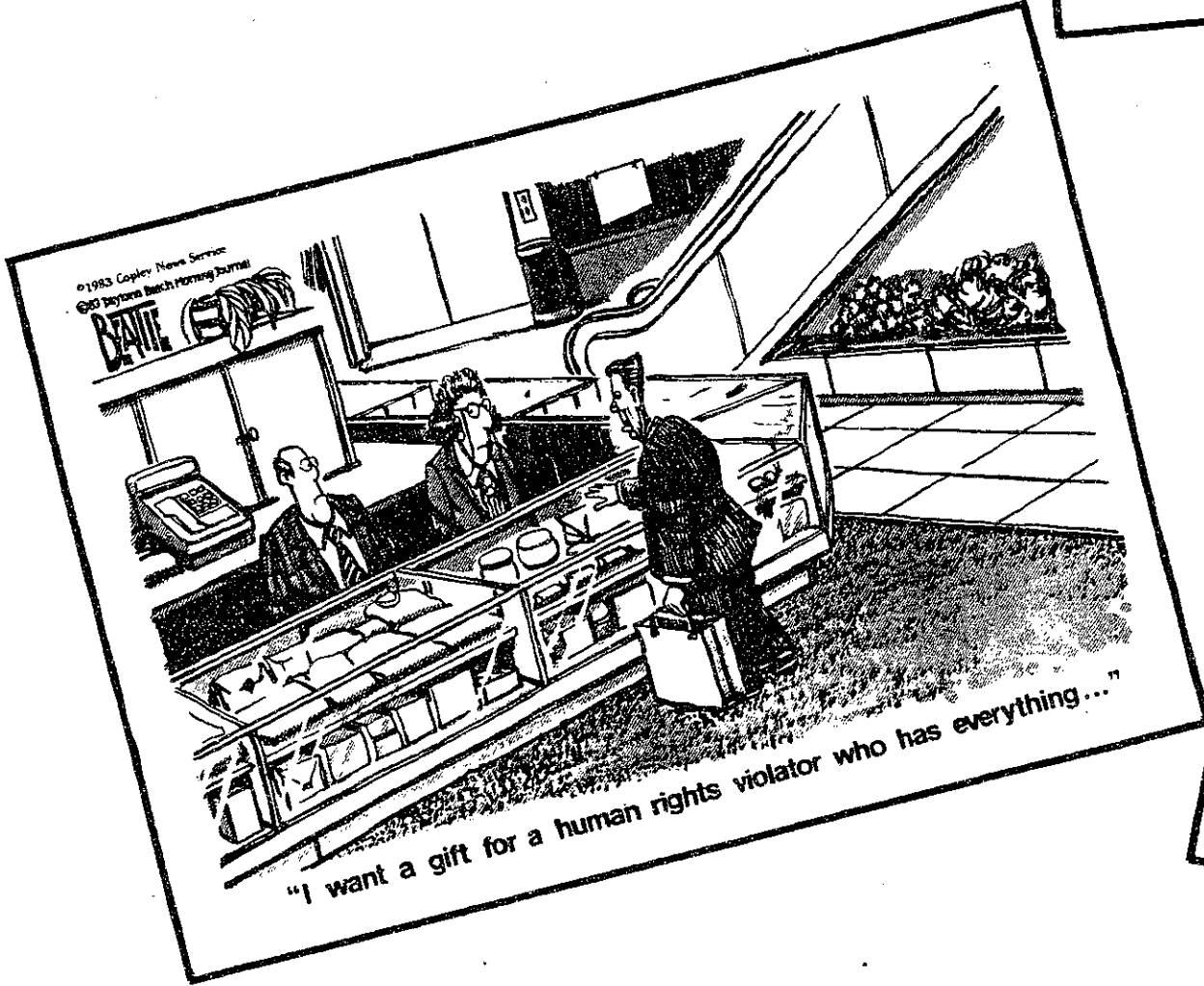
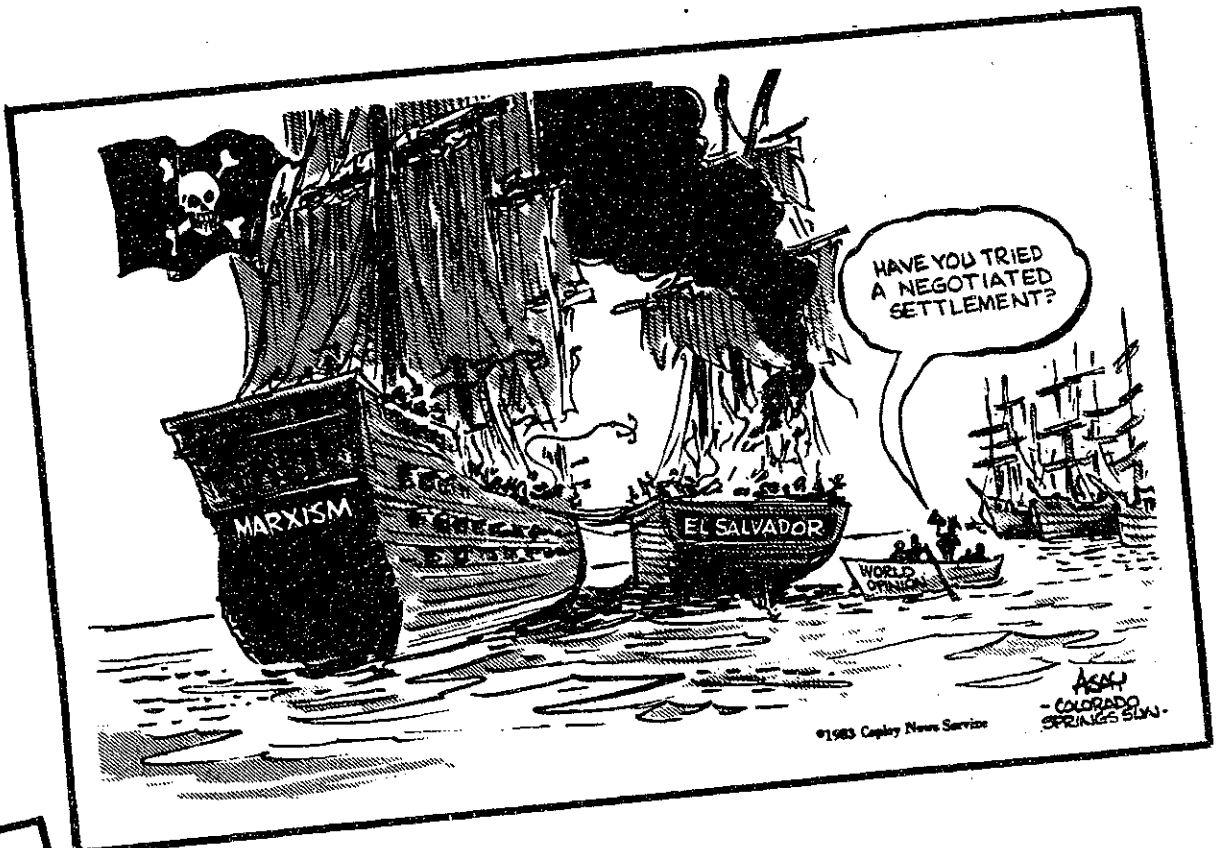
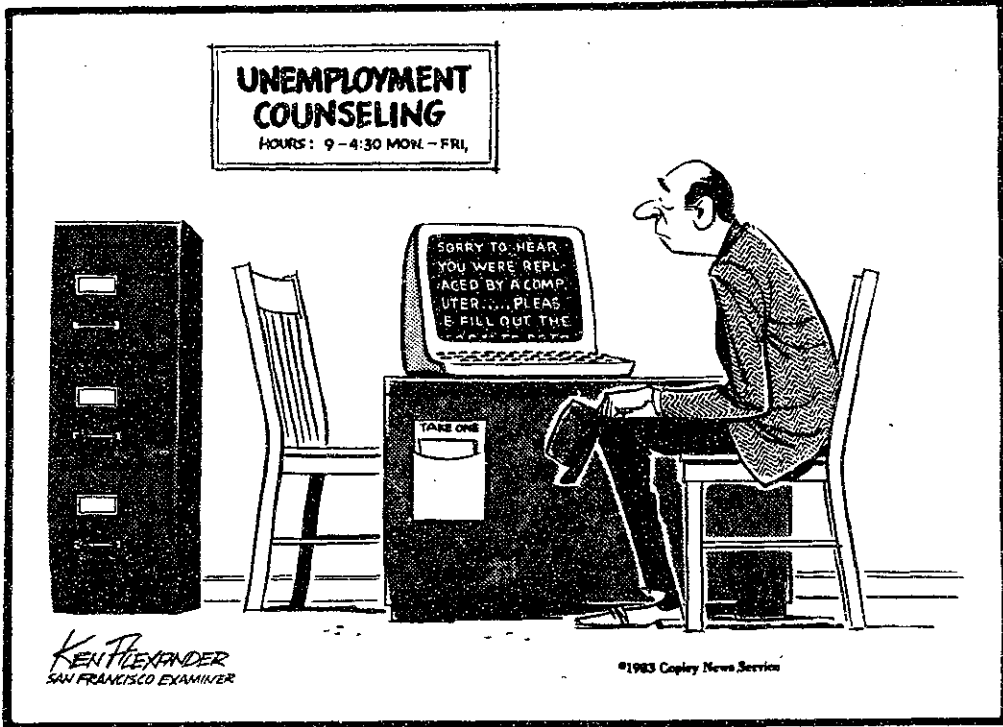


It's how you see it.



Opinion

Twelve new cartoonists join Tech staff



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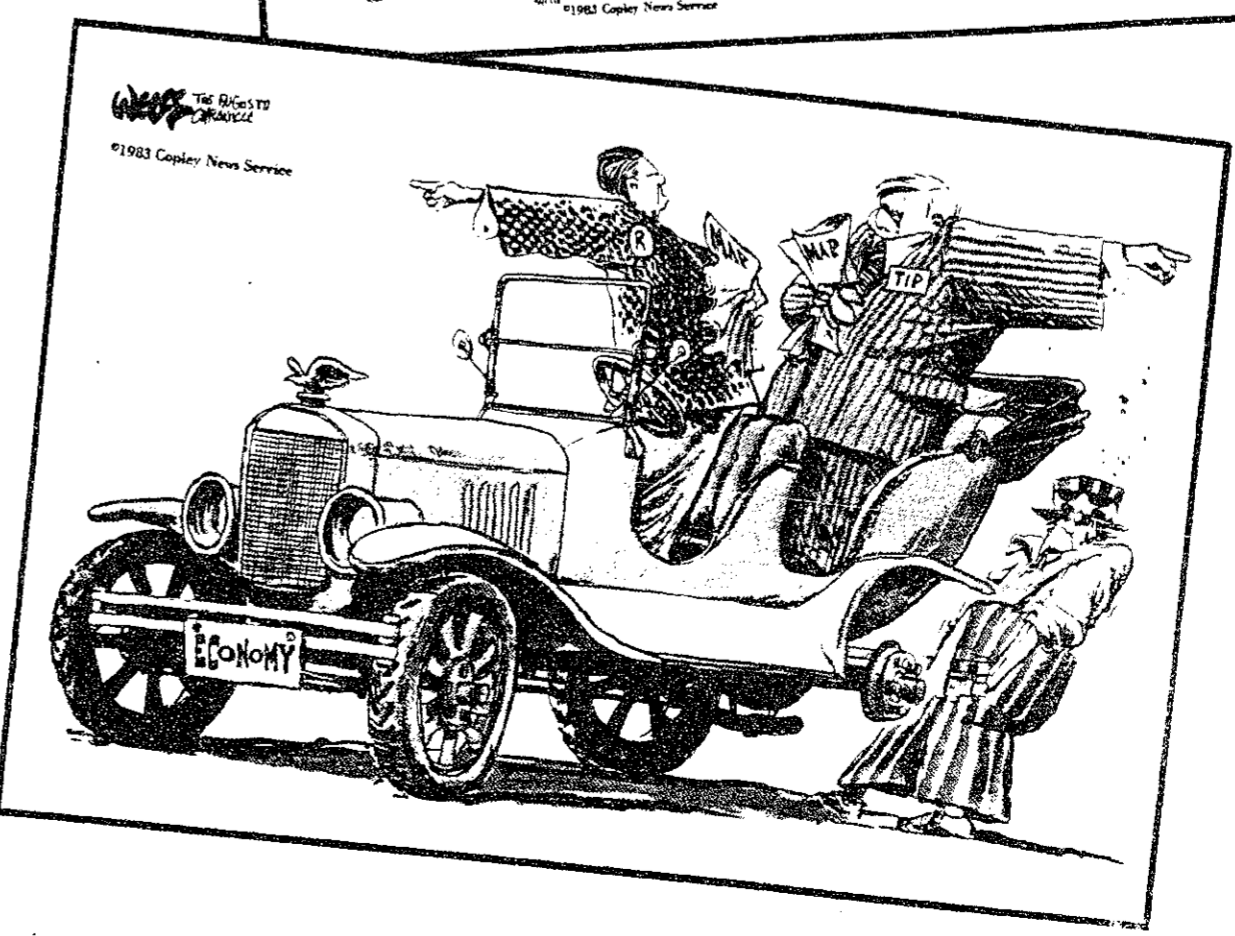
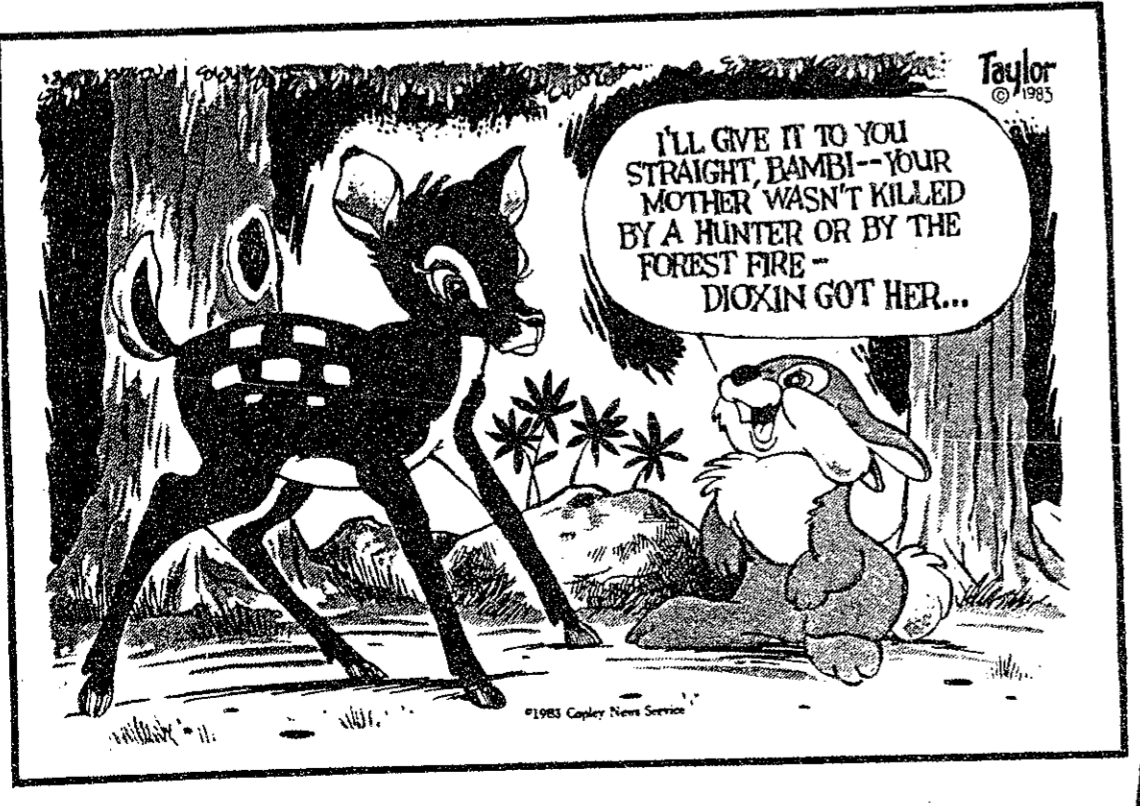
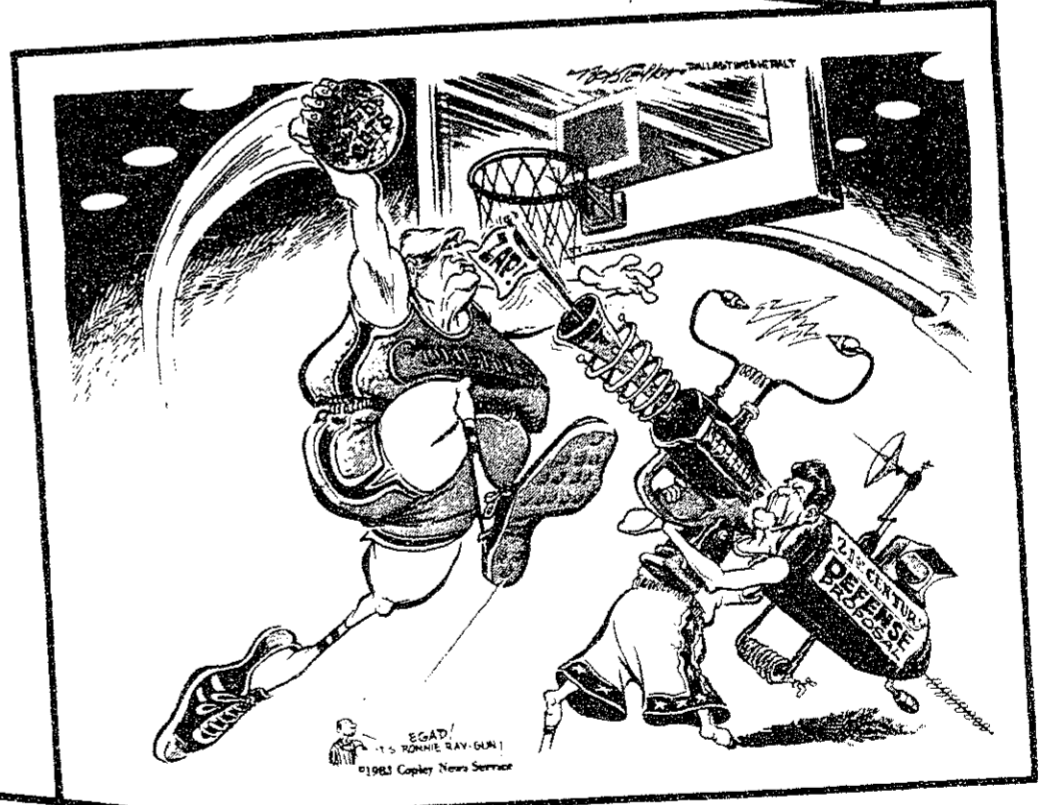
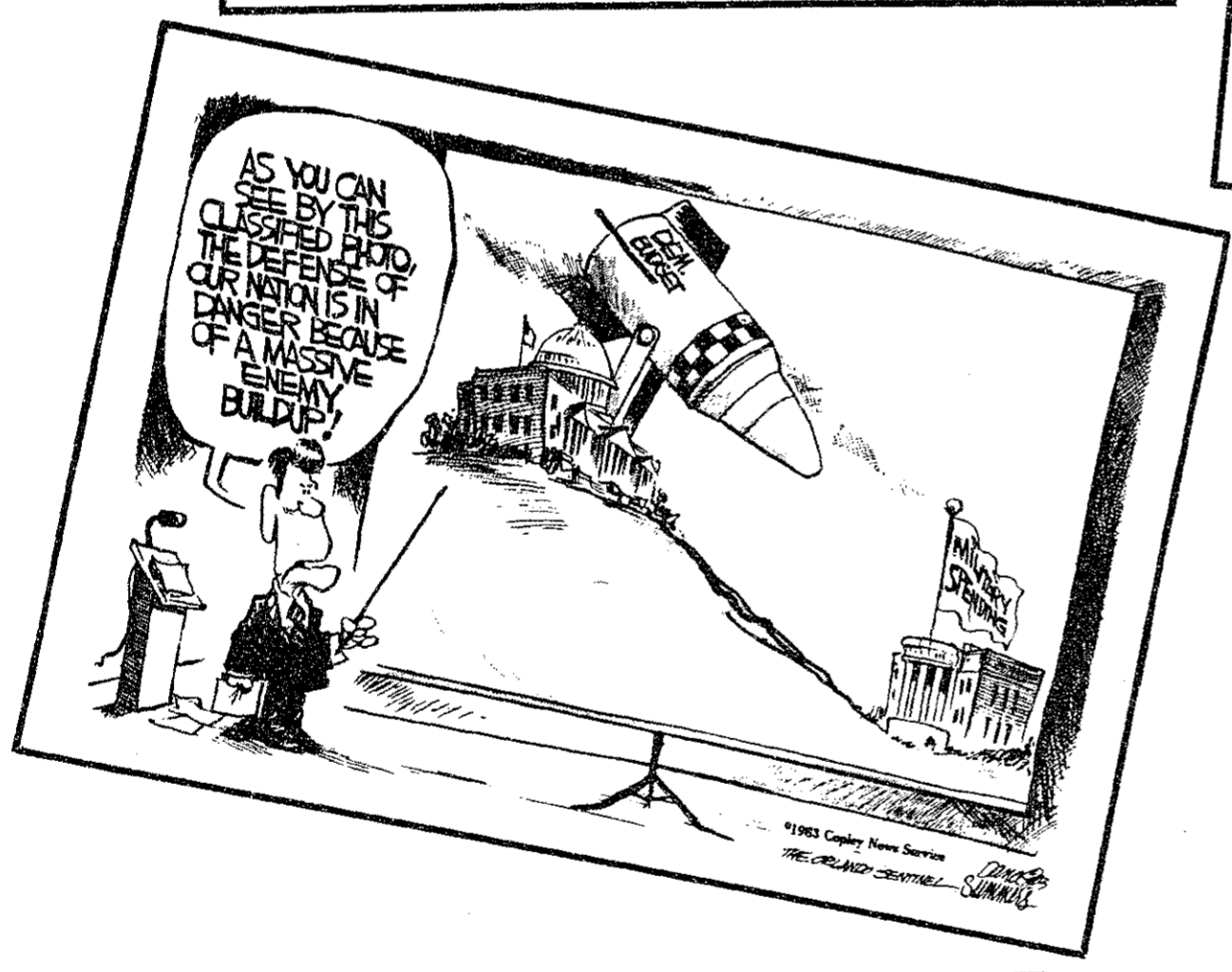
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Opinion

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This page: Steve Kelley, *The San Diego Union*; Mike Lane, *The Baltimore Evening Sun*; Mike Shelton, *The Fort Worth Star-Telegram*; Bob Sullivan, *The Worcester Telegram*; Dana Summers, *The Orlando Sentinel*; Bob Taylor, *The Dallas Times-Herald*; John Taylor, *Copley News Service*; Clyde Wells, *The Augusta Chronicle*.



ARTS

Off the Beaten Groove

Seventy years of John Cage

John Cage, the man who singlehandedly changed the way we hear and think about music, is now seventy years old but shows no sign of slowing down. In a performance and a pair of lectures sponsored by the MIT Writing Program and the Museum of Fine Arts, Cage the man presented his own thoughts on Cage the composer.

Cage is perhaps best noted for his introduction of chance procedures into the composition of music. As he explains it: "Music should not be the making of choices, but rather the answering of questions." Using random operations to deter-

"Bare lists of words are found suggestive to an imaginative and excited mind."

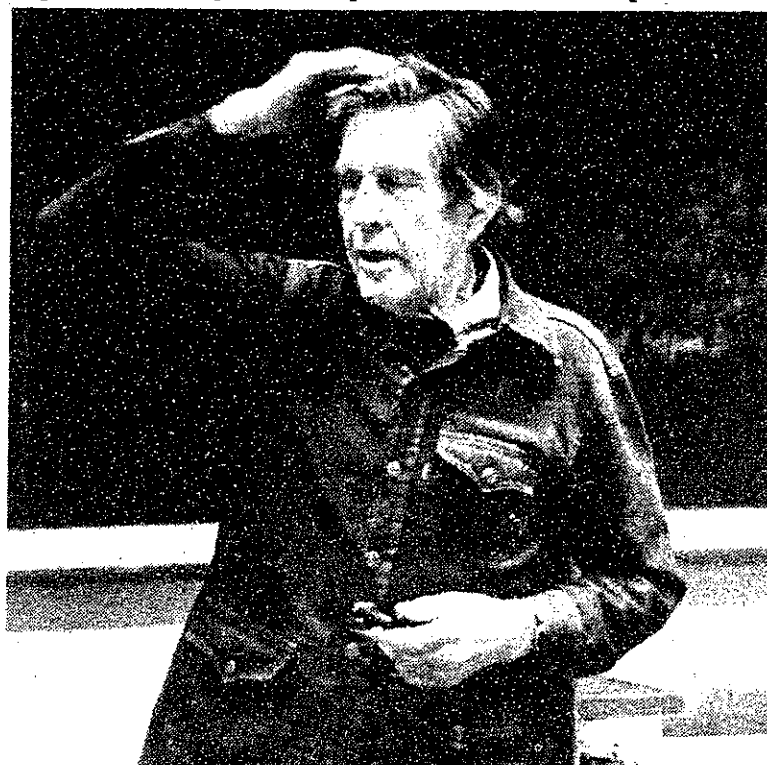
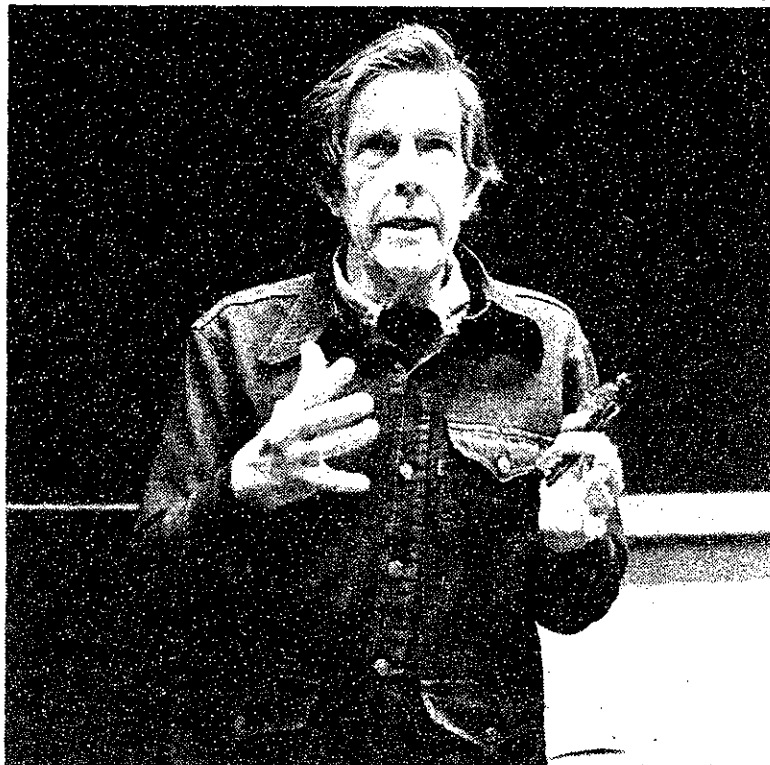
Two of the pieces performed at the MFA concert utilized chance operations applied to astronomical star charts, with positions of certain stars interpreted as the twelve tones within an octave. In the *Etudes Australes* for piano, further operations were employed to position the notes on the piano keyboard. During the piece, various keys in the piano's lower octave were held down with wedges, allowing the strings to resonate sympathetically with the rest of the notes played. The resultant echoes produce an almost ghostlike back-

trales, the piece didn't hold together as coherently. The three sections performed truly sounded like a collection of random notes, with no detectable thread or process to hold them together.

The third piece performed, *Six Melodies for Violin and Keyboard*, date from Cage's rhythmic structure period, in which Cage determined the rhythmic outlines of a piece before he decided on the actual notes to be played. The composition consists of a limited number of notes and chords on violin and piano, and is played as a set of single line melodies. It was difficult to believe the most melodic piece performed

My
memory
of what
Happened
is not
what happened

The mesostics used in the essay (method, structure, intention, discipline, notation, indeterminacy, interpenetration, imitation, devotion, and circumstances) are according to Cage the most important words in his work. Taken as a whole, then, *Composition* is not only a retrospective but Cage's commentary on the most important aspects of the creative process.



Photos by David G. Shaw

mine the notes and structure of a piece frees Cage to explore all the possibilities inherent in those notes. Pianist Steven Drury explained in the program notes for the MFA performance:

Cage lives up to Henry Cowell's description of him as a composer who is "getting rid of the glue." By setting sounds free from the "glue" of the composer's ego or desire to express himself, Cage gives the listener the materials, the opportunity, and the responsibility to create his or her own melodies, phrases, and harmonic rhythms (if such terms remain at all useful. As Emerson said in The Poet,

ground for the staccato notes played throughout the etudes.

Most interesting about the *Etudes*, however, were Cage's comments on how the work came to be composed: "I knew of pieces for solo left hand or solo right hand, but as far as I knew, no one had written a piece for solo left and right hands, each independent of the other. I wrote the parts for both hands so that they would each utilize the full range of the piano."

Similar methods were employed to compose the *Freeman Etudes* for solo violin, but, in comparison to the *Etudes Aus-*

was the result of chance procedures; the interplay between piano and violin seemed to transcend the strictures of the composition.

During his lecture at MIT, John cage read his essay *Composition In Retrospect*, an evaluation of his entire body of work in which he discusses his methods and attitudes rather than make any direct commentary on his music. The essay consists of a series of mesostics, similar to acrostics but differing in the placement of the emphasized word. For example, the essay begins with a mesostic on the word "method:"

In the course of the question and answer periods that followed the two lectures, it became obvious that after all these years John Cage is not in any danger of being tolerated. When asked what his role in music was, he replied: "I once asked David Tudor that same question. After some thought he told me my role was that of a hit-and-run driver."

After being provided with a rare opportunity to become familiar with one of the greatest figures in twentieth century music, it became clear that this hit-and-run driver has certainly made his impact.

David Shaw

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For an application and interview appointment, contact the Graduate Student Council by phoning 253-2195 afternoons, or stop by Room 50-222.

More than a ghost of a chance

ARTS

Tech Show '83: Whither Thou Ghost, written by David Smith '85, directed by Gordon Hunter G, music direction by Ira Berk '85, choreography by Susan Burnell '84, at Kresge Auditorium April 8 and 9 at 8pm.

Whither Thou Ghost has all the elements of a standard musical comedy: a convoluted and improbable plot, young lovers and a disgruntled rival, upbeat song-and-dance numbers, and, of course, a happy ending. Tech Show connoisseurs will be pleased with the requisite awful puns and in-house jokes, all of which could have been cut from the script without damaging the storyline. But it's all in fun, and that's the beauty of *Ghost*: It never takes itself too seriously.

As with past Tech Show productions, music is *Ghost's* strongest asset. The company sings well together, the technical people have rigged up a workable microphone system, and the songwriters have penned some witty lyrics and catchy tunes. One piece, Ken Cornett's '84 "Behold Ony-marki Gospophagus" could easily hold its own — instrumentally at least — on the concert stage. Durwynne Hsiegh's '85 entr'acte, a potpourri of well-known themes and jingles weaved together in a style reminiscent of Charles Ives, is as funny as anything that happens on stage.

Susan Burnell '84 tailored the choreography to the limitations of the cast. She keeps the movement simple, yet imaginative, simultaneously incorporating and spoofing marching band maneuvers and Rockette routines. The combination of music and dancing yields the production's finest moments: The camped-up versions of "Adventure," "How Do You Do?," "When You Say That You Love Me," and "Stolen Crown Blues" are hilarious.

When the music and dancing stop, however, *Ghost* teeters. Director Gordon Hunter G isn't up to the monumental task



Tech photo by Omar S. Valero

of coherently moving seventeen characters about the cavernous playing space. Actors too often move without motivation, like directed traffic instead of like characters in a scene. Any time an actor moves hesitantly on stage, or shifts uncomfortably around the spot on which he stands, the play's tempo crashes to a halt.

Not all the aimless action is Hunter's fault. Playwright David Smith has created more characters than his story needs, and there is nothing harder than directing people whose parts are extraneous to the play. But Hunter hasn't helped himself by neglecting important details.

The director doesn't command his playing space. In the opening act he has most of his characters enter via an enormous archway that dominates the set. This could make for some dramatic stage business, but most entrances are lost behind charac-

ters who have been placed awkwardly downstage. In one of the more important stage bits, one character repeatedly tosses his hat at a coat stand and repeatedly misses, and each time, the butler is there to hang the hat where it belongs. In an important recognition scene later in the play, the disguised butler is discovered when he automatically reaches for the tossed hat. A clever theatrical device, but as staged it doesn't work.

For all its directorial woes, *Ghost* has some fine individual performances. Ralph Opie's '86 portrayal of Victor the butler is economic yet lively. He uses every second of his stage time effectively without stealing the show. David M. Gauntt '83 is the quintessential coward in the role of Roderick Lawrence: He has all the right instincts, but needs some control from the director to even out his performance.

Mark Wilson and Linda Stephens '86 fill the romantic interest roles as well as they can, considering the limitations of their scripted characters. Julia Inde '84 flies in her role of Ellie, the dumb blond whose strange ideas about camping equipment save her companions from death at sea. Bob Kidd '83 is adequate as King Ony-marki Gospophagu (In his costume he looks like he's been rolling around in the mud with Bo Derek.), but he has the finest voice of the company.

Aside from the extraneous characters and some problems with scenes extending well beyond their climaxes, David Smith's script has potential. It's already a fine Tech Show; with a little tightening, I think Smith could have a fine musical on his hands.

Bill Bryant

It don't mean a thing if it ain't got swing

Swing is the Thing, *The Widespread Jazz Orchestra on Adelphi Records.*

There are people who consider swing to be dance music. There are also people who consider swing to be dead. The Widespread Jazz Orchestra (formerly the Widespread Depression Orchestra) wants them to know not only is swing not dead, but it is also a current, vital musical form.

Swing is one of the more energetic musical styles, and that quality shows throughout *Swing is the Thing*, the new WJO album. The band's boundless enthusiasm was much in evidence at their Boston Globe Jazz Festival, and same enthusiasm can be found in their recordings.

Be warned, this album is not just another rehash of old favorites. Although

there are a few swing classics, many of the songs on the album were either rediscovered or newly written by members of the WJO. All the tunes feature new arrangements by members of the band that remain faithful to the spirit of the originals rather than "modernizing" them à la Hooked on Swing.

The album starts off with "King Porter Stomp," a Jelly Roll Morton classic. It impressed me to hear such detail in the background of a piece, an indication of their facility both with the music and with their instruments. A second classic, Lionel Hampton's "Flyin' Home," provides the band with a chance to stretch out and show off; the note-bending sax solo is just incredible (I never knew you could do such things with a reed!).

The album's finest tune isn't a standard, however, it's an original by trombonist Jim Masters. The song, "Beelzebub," is the story of a man who loses more than his wallet in Central Park. Masters' vocals are fun, and the music is really hot.

Of the rediscovered pieces, my favorite is Mike Jackson's "Knock Me a Kiss," first recorded by the Jimmie Lunceford band in 1942. The song's protagonist is being put on a diet by his girlfriend, and he is lamenting all the goodies he'll be missing: "I like pie/I hope to die/But get a load of this:/The pie is high, I'll say goodbye/Baby, c'mon now, and knock me a kiss." If you can make it past the lyrics, give the music a listen.

About the only fault I can find with the album is that occasionally a later jazz

form will creep in for a few bars. In particular, the ending of WJO's arrangement of "Chelsea Bridge" sounded much too boppy to me. This is a small nit to pick, however, since *Swing Is The Thing* is a superb album both technically and musically. The band balances well, with no instrument or subgroup dominating, and he recording furthers the band's smooth sound.

With groups like the the Widespread Jazz Orchestra, it's no surprise that there's a new interest in swing. In the words of Billy Grey, the band's principal vocalist, and the author of "Swing is the Thing":

*It's the Jazz what's has the razzmatazz
It's the Swing what's got that zing
It's the jive what makes you come alive
Baby, the Swing is the thing!*

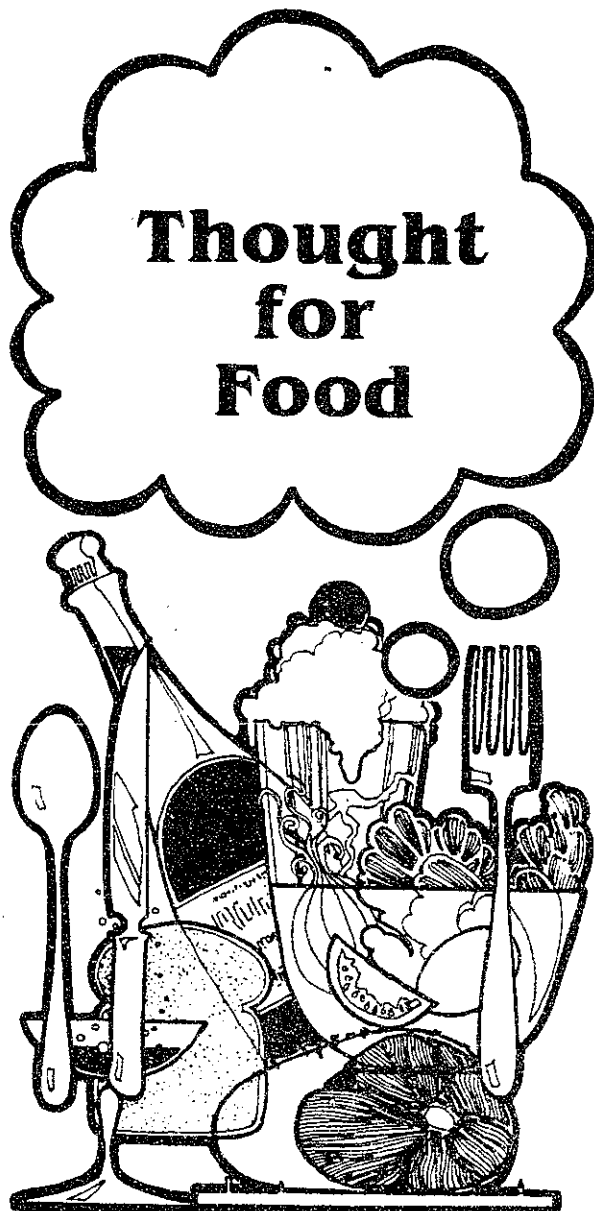
Bill Coderre

Cheap eats, weird people

Sometimes one needs a break from the weekly grind of commons or the imposing concrete of the Institute, however, finding a restaurant in the general area serving inexpensive but filling food can be difficult. I recently came across two such restaurants which deserve notice.

The Paramount Steak House, located at 44 Charles Street in Boston, serves large portions of very delicious and very filling food. It is frequented by students of nearby Emerson College, Beacon Hill dwellers who are too lazy to cook, and five MIT graduate students who recommend the place. The Paramount is a small restaurant which serves cafeteria style, but the style of service does not reflect the quality of the food. They serve breakfast for under \$2.50 and sandwiches for about the same, but dinners make dining at the Paramount great fun.

A person entering the restaurant is struck by the wild clothing worn by some of the patrons (I think Emerson students call it fashion.), and by the aroma of good food rising from the grill and cooking area which dominates the rear part of the small (40-50 people) dining room. If you speak a bit of Greek, use it on the cook; he'll love you for it. Then look up, ignore the breakfast and lunch menus which hang at the near end of the grill area and concentrate on the dinner menu.



Dinner prices usually run between \$3.50 and \$4.95. Perhaps the most-served dinner is the souvlaki (\$3.75), which was chosen Best of Boston by *Boston Magazine* over a year ago. Souvlaki is lamb with a greek salad and includes the evening's starch; take the rice. Other, more conventional dinners include chicken, turkey, or roast beef, depending on the day you visit. I had the chicken dinner, which included a half chicken for \$3.75 with vegetables and mashed potatoes. I found it very filling, cooked thoroughly, and spiced well. Suffice to say, I ate my money's worth of food.

Vegetable soup at the Paramount is a tremendous complement to any meal. The simple broth filled with celery, tomato, carrots, and many other fresh vegetables, is really delicious. For \$1.20 you can get a cup, which is a fairly meager portion. For just 10 cents more, you can buy a large bowl which will almost fill you even before you start your entrée. Drinks and other nonessentials run under \$1. When you finish your meal, I guarantee you'll be full. And satisfied.

The Empire Deli is an all-day/all-night place serving delicatessen-style food. They offer their extremely large menu (And that menu is large; the thing must be at least 2 feet square.) at all hours. Whether you're in the mood for a reuben sandwich, potato pancakes, two eggs any style, or matzo

ball soup, you can find satisfaction for a craving anytime. The restaurant usually gets packed after all the clubs in the Lansdowne Street area close at 2am; sometimes watching the people eat there becomes more fun than eating the food. People in all kinds of clothes come to and from the local nightclubs (Some of the folks from Spit are really weird.), as well as Simmons College students (and their dates). If you go to restaurants to people-watch, this one is a classic.

The deli prices are fairly inexpensive. Eggs go for between \$1.20 for one to \$1.95 for three, soup costs around \$1.50 for a healthy portion, quiche runs \$2.95, sandwiches cost between \$2.00 and \$3.25 (for roast beef, etc.), and nothing of real interest is over \$5.00. The food preparation is competent, but portions on some dishes are small. Salads and sandwiches are filling, and their eggs are delicious. (A friend tells me that she orders them exclusively.) I recommend Empire Deli as a fun place to eat at before or after any event in the Back Bay.

The Paramount Steak House is located at 44 Charles Street, three blocks down from the Charles T station. Phone 522-8832. Don't bother phoning for reservations; it's not that kind of place. Cash only.

The Empire Deli is at the corner of Brookline Ave. and Boylston St. in Boston, past Fenway Park and The Metro. Phone 267-1605. All major credit cards.

Michael Batrat

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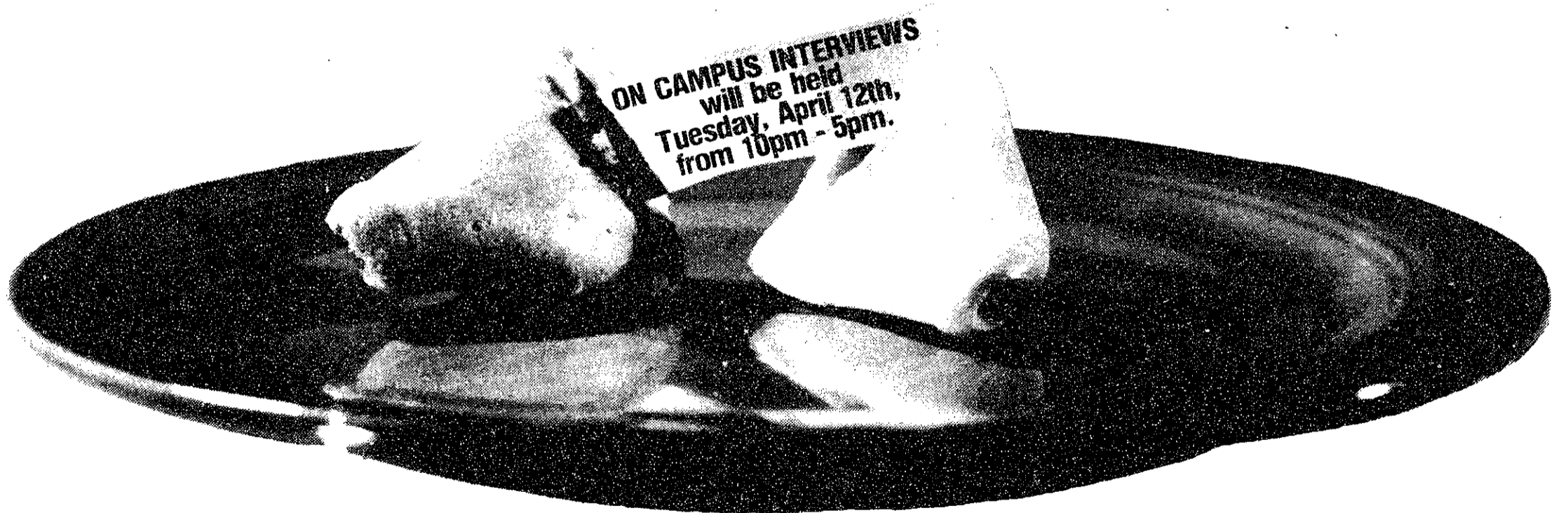
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Opec is still a viable cartel says Adelman

By Dan Crean

Professor of Economics Morris A. Adelman is an expert on mineral economics. He has been following the recent disagreements within the Organization of Petroleum Exporting Countries (OPEC), and the effects of the subsequent fall in the price of crude oil.

Q: Is OPEC dead?

A: No. They're a mighty vigorous corpse if they are. Anybody that can collect the price even of \$29 [per barrel] for oil which they could produce in much larger amounts than they do for \$5 or \$10, and in some cases for less than 25 cents . . . is still very much alive.

Q: But the member countries aren't selling at the same price now, are they?

A: Well, no they're not. That's their problem. They've got to see to it that they don't produce more than what the market will take at this price. If they do overproduce, the price just keeps going down.

Q: What was the purpose of the price decrease?

A: There was more oil than the market would take at that price. You see, when a market is competitive it has an equilibrating mechanism built into it. And that's essentially price and incremental cost. If the price rises, production expands. If the price falls, production contracts to

Q: If the price ever goes back up again, do you think OPEC countries will start refining and take a little more control of the oil industry, or will they continue to sell mainly crude?

A: They're better off selling crude and not selling refined products because when you sell crude you can set a schedule of prices and then everybody watches everybody else to see that they are sticking by the announced price. But when you sell refined products there are so many of them and they can be sent to so many different kinds of markets that it is very hard to check up on anybody. So, they'd be much better off staying out of refined products.

Q: Do you think it might be possible that OPEC would restructure or break up and form two independent cartels, perhaps because of political differences, such as the war between Iraq and Iran?

A: No. I don't think that political differences will break them up because you find that countries that either have no great love, even antipathy, for each other, or real ferocious hostility, will cooperate perfectly well because there's something in it for them. No, what threatens to break them apart is what threatens every cartel — they have to decide who is going to bear the burden of cutbacks. And

three million barrels a day. Oh, they can do it for any given month or two, but although they have very big foreign assets, those are not unlimited and I think they would react violently to the suggestion that they just eat them up. And so if they stay below three million barrels a day they will come back to the others and say you have all got to give a little bit more. Well, that's where we came in. Each one of them wants the others to do it.

Q: Will we begin to see a large shift in international wealth away from third world oil producers like Nigeria and even Britain and the Soviet Union and toward industrial countries like Japan and West Germany?

A: Well, there will be a reflux of some small part of the wealth that has been flowing toward the producers, sure. That's a mathematical consequence of lower prices.

Q: A lot of people say United States banks are going to be in for a hard time because of the OPEC breakup. Will the Western economy suffer?

A: Some [banks] will be in for a hard time, but mostly, unless something is done, the burden will fall on the shareholders of the banks. They may be in for a very hard time. But I don't see the banks themselves being wiped out.

Q: They'll just lose money?

A: They will lose money. I don't think they will go out of existence. It's not in our interest to permit the banks to go out of existence because the banks are the custodians, the water carriers, of the money supply. The economy cannot live without a functioning money supply. We surely learned that in 1933. So, here and there a bank will be in real trouble, and will be bailed out to the loss of its stockholders, of course. But I don't see the banking system being in any serious trouble.

Q: What about the American oil industry? Will it lose money?

A: Well, some [companies] will. Some of them were losing money even at the old high price level because what did them in was not the relatively modest price decrease but the big price increase that never happened. It was astonishing to me, and I thought I had a little knowledge and experience here, to see the reckless imprudence with which the oilmen and bankers rushed into investments that only made sense if the price was going to keep right on rising 9 percent per year, right into the late 1980's. Well, they've learned better now. But a lot of them have gone bust in the process. I think more of them will [fail], but it's going to be a very healthy, thriving industry. We're drilling many more wells than we did a few years ago.

Q: Do you think the American oil industry will be doing well a few years from now?

A: I think they're doing well right now. They're not doing as well as they did last year, but they're doing well now.

Q: The price decrease will help us get out of the recession, right?

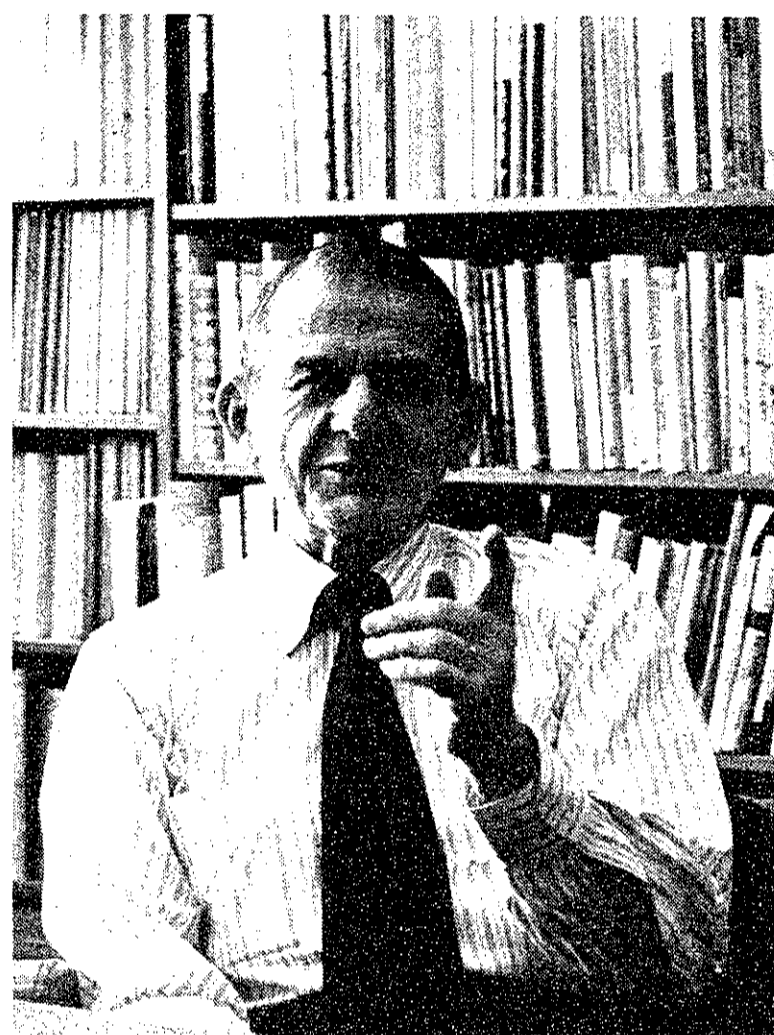
A: It'll help; it'll help.

Q: As far as consumer gas and oil prices, are they going to be dropping or staying the same?

A: I don't know. I don't see them dropping much more because, you see, there have been two effects: the lower price of crude oil and the excess capacity in the refining business which means that margins have shrunk very much. Well, the refining business is a competitive business and so gradually the excess capacity will be worked off. I don't know how soon that will be but it will be. And margins will increase. In crude, however, the surplus is incurable because it's the cartel that makes the surplus. All that matters is whether the cartel can get its act together and restrict output, or whether it loses its grip and output increases.

Q: Any final thoughts?

A: Anybody who thinks that the cartel will revive, or will collapse, is overlooking the fact that this is an uncertain and clumsy kind of arrangement. And the most likely prospect is just for ups and downs, fluctuations. They break apart, and they get together. The scheme holds for a while and then they cheat, and they fall out amongst themselves and the price drops, and that brings them together again. And so it will go.



where the two are equal again. But there's no such mechanism in a cartelized or monopolized market as we have here. It has to be supplied by some kind of understanding or arrangement of some kind amongst the sellers. And if they can't agree to restrict output, the arrangement falls through.

Q: Non-OPEC producers can effect and influence OPEC to a large degree, can't they?

A: Well, they are part of the limitations upon OPEC. Every monopolist has limitations. Namely, how much will he sell if he raises the price. And he will lose business, because, one, consumers will use less; and, two, those outside the magic circle will expand output. Those are constraints in which [the monopolist] works. And if the demand for the product is very elastic, or if the supply from other producers outside the monopoly is also very responsive to a small change in price, then his monopoly is not worth a nickel. On the other hand, if consumers don't easily or quickly respond, and non-OPEC producers don't respond much, then the monopoly is very valuable. Well, in real life, you know, it's difficult to say what the response is going to be. But a sensible monopolist tries to figure out these reactions and raise the price to the level that will return him the greatest profit. And that's what the cartel does here, too.

Q: That's why they've lowered the price?

A: Well, that isn't the reason. They would have preferred the higher price, and although this is a statement nobody can prove or disprove, I think they'd be better off at the higher price. In other words, I think they were right to prefer the higher price. But they could not control the offerings of their own members. They undercut each other, they chisled and cheated. And unless they can stop that, the price is going to go down, down, down a great deal lower than it is now.

Q: When do you think the price will come back up to where it used to be, if ever?

A: It could happen very shortly. Because if you have a reasonable degree of revival in the world economy, the demand for oil will increase. And if they stick with the quotas that they've just set for themselves now through thick and thin, then the price could explode again the way it did four years ago. I don't think this could happen before the summer, maybe not before the fall, but it definitely could.

Q: Kuwait is unlike other OPEC countries, isn't it, because it refines its own oil. Is that right?

A: No, no, no. They don't refine a great deal of their oil. They have refined a substantial amount which used to be a very minor part of the total. But the total has come down so much that now the amount they refine is a considerable portion.

the more there is of mine, the less there is of yours. It's that simple. To try to get everybody into the act is extremely difficult. Now, I would have thought, and I still expect that in a case like that, the burden falls on the largest producer. Every other one can try and can sometimes succeed in evading the burden by selling a little more at a somewhat higher price in the expectation that others will move over to make room for him. And they'll do this not out of love, but because it's in their interest to do it. If they retaliate, cut prices again below him, then [the price] will just spiral down to the depths. So every one of them can get away with [evading the burden], but the buck stops with the largest one. If he takes that attitude, if he retaliates, then the cartel is finished. So, weakness is strength and vice versa. That's true of other kinds of coalitions. . . .

When the pressure of demand gets too great, when the residual is such that the big partner can't live with it, then you're in a dangerous position. And Saudi Arabia, which has been the dominant partner here, or the largest one, probably cannot live with the amount they are producing,



"AT LAST, GANG... OPEC IS BACK IN THE DRIVER'S SEAT."

Rathjens: No limited Nuclear war

(Continued from page 1)

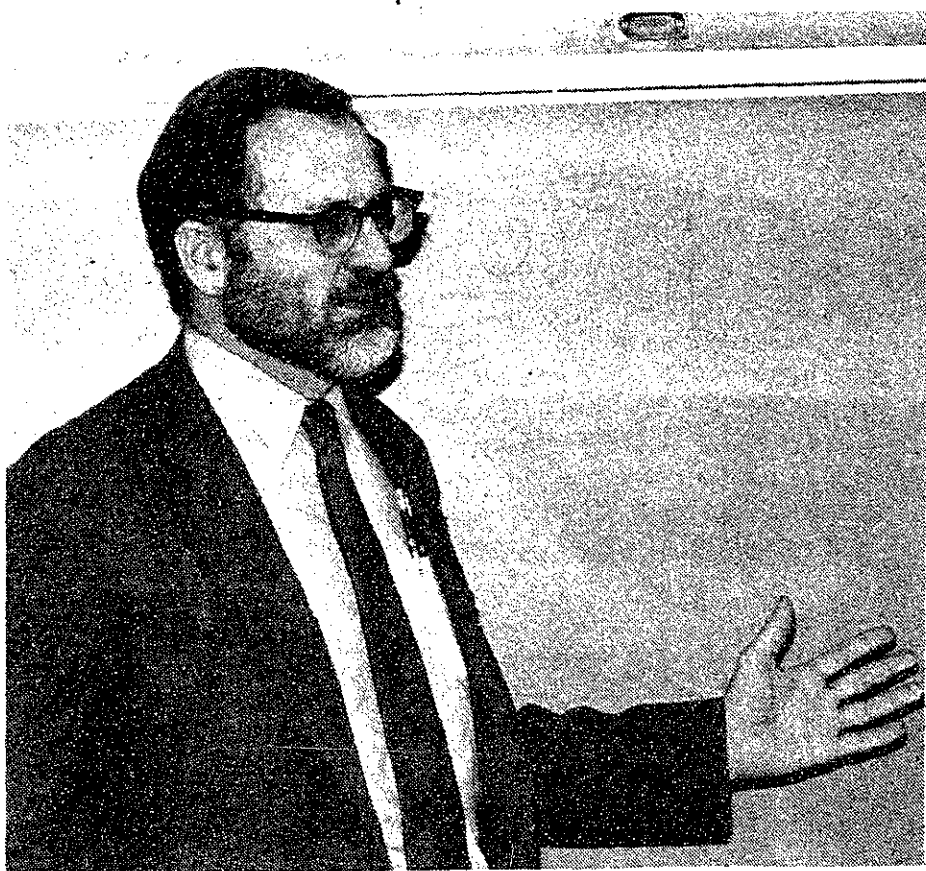
This "coupling theory," he continued, ensures any conventional conflict will lead to a nuclear holocaust in which both sides will be destroyed.

"People in Europe are concerned about some Americans who believe that it is possible to stage a limited nuclear battle that would leave both Russia and the United States safe," added Rathjens.

"They would prefer that any use of nuclear forces result in threats against the Soviet Union proper and the United States proper. They hope that utilization of the coupling theory in this manner will discourage any nuclear battle in Europe itself."

The ideal weapon to carry out the coupling theory "should be easy to use. It should be so vulnerable that it will be fired quickly if conflict broke out, and it should be able to hit the Soviet Union to draw retaliation."

The Pershing II rocket is the ideal weapon for the situation, Rathjens said. The Soviet counterpart is the SS-20, which re-



Tech photo by Henry Wu

Professor of Political Science George W. Rathjens lectures on "The Dynamics of the European Arms Race" last Wednesday.

places the aging SS-4 and SS-5 missiles.

Discrepancies in counting methods have stalled disarmament talks. Both sides can arrive at very different views of the military balance by separately deciding which missiles are equivalent, which allied forces are included, and what weapons are in the same class.

"As a result, these negotiations become a vicious spiral which spurs each side to try to catch up and match each other's strengths." The problem becomes even more acute with conventional forces, he said, because there are so many asymmetries between the weapons of the two countries.

Visiting Committee

(Continued from page 1)

dent referendum on the task force's suggestions at next March's Undergraduate Association elections.

The Visiting Committee noted the present shortage of space in the Student Center may be alleviated by restricting outside use. "The point remains that the Student Center space is needed by students during the academic year and use by outside groups should be limited during that time."

"It is most unlikely that the Institute will be in a position to make space available beyond the Statton [Student Center] and Walker buildings," the report observes. The Visiting Committee disapproved of the current space allocation procedures in the Student Center and recommended a complete review of its "design, maintenance, and use of space" by the Student Center Committee and the Dean's Office.

"Students must learn to believe that industry, in general, looks to participation in [student] activities . . . in seeking its future leaders, [and] will tend to select candidates with a good activities record," states the report.

"Activities in high school were a boost into college and activities in college are a boost into the job," the report continues.

The Visiting Committee, however, refused to explicitly provide an incentive for boosting student interest in extracurricular activities. "The Committee does not see either academic credit or payment to the students as a practical or even tolerable way to encourage participation in activities. At the very least, either solution would lead to an unhealthy level of faculty and/or ODSA involvement in the detailed direction of student activities."

"The [recommendation that] needs the widest and longest discussion is the student activities fee," commented McBay. "No conclusions have been made yet. We need to talk some more. There are advantages and disadvantages. . . . We also need to get the opinion of the student body — they are the ones who would be taxed for the fee."

McBay supported the other observations of the Visiting Committee. "I think we can directly carry out the other recommendations. . . . They really don't need much dialogue," she said.

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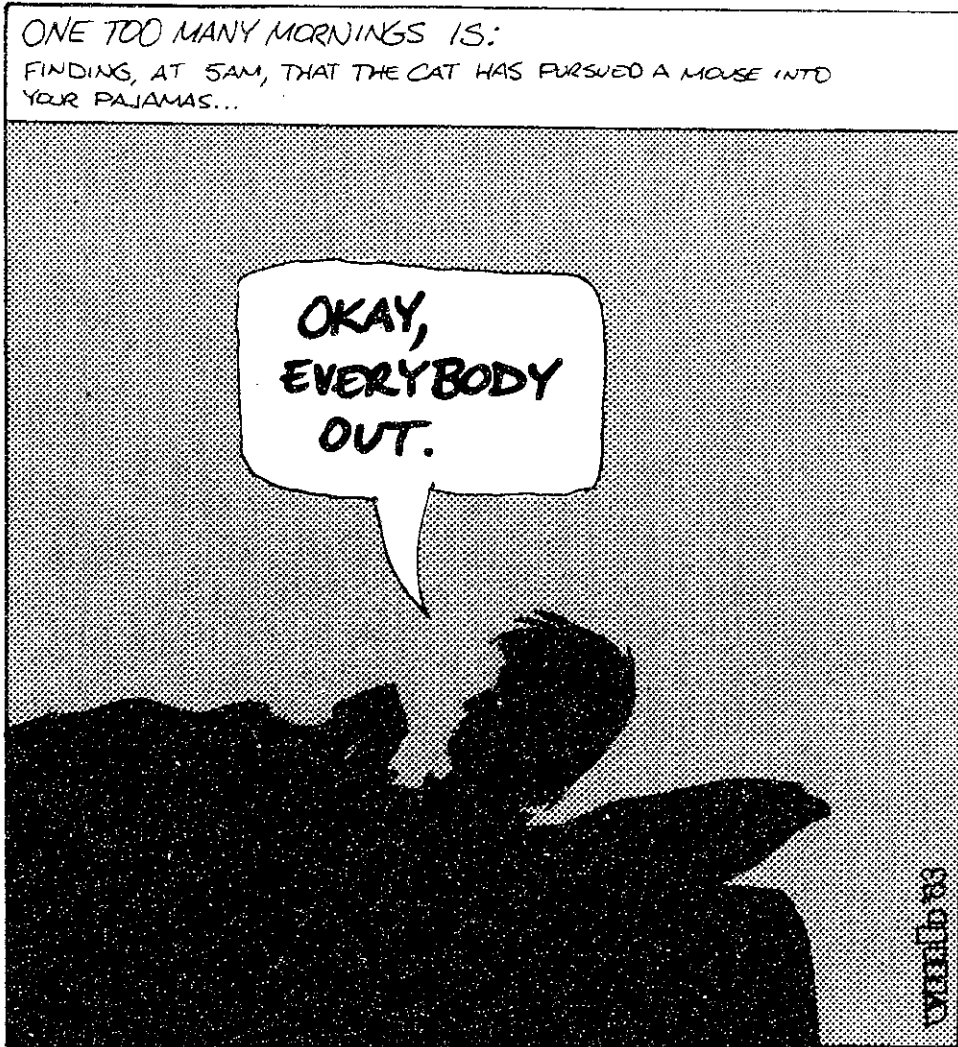
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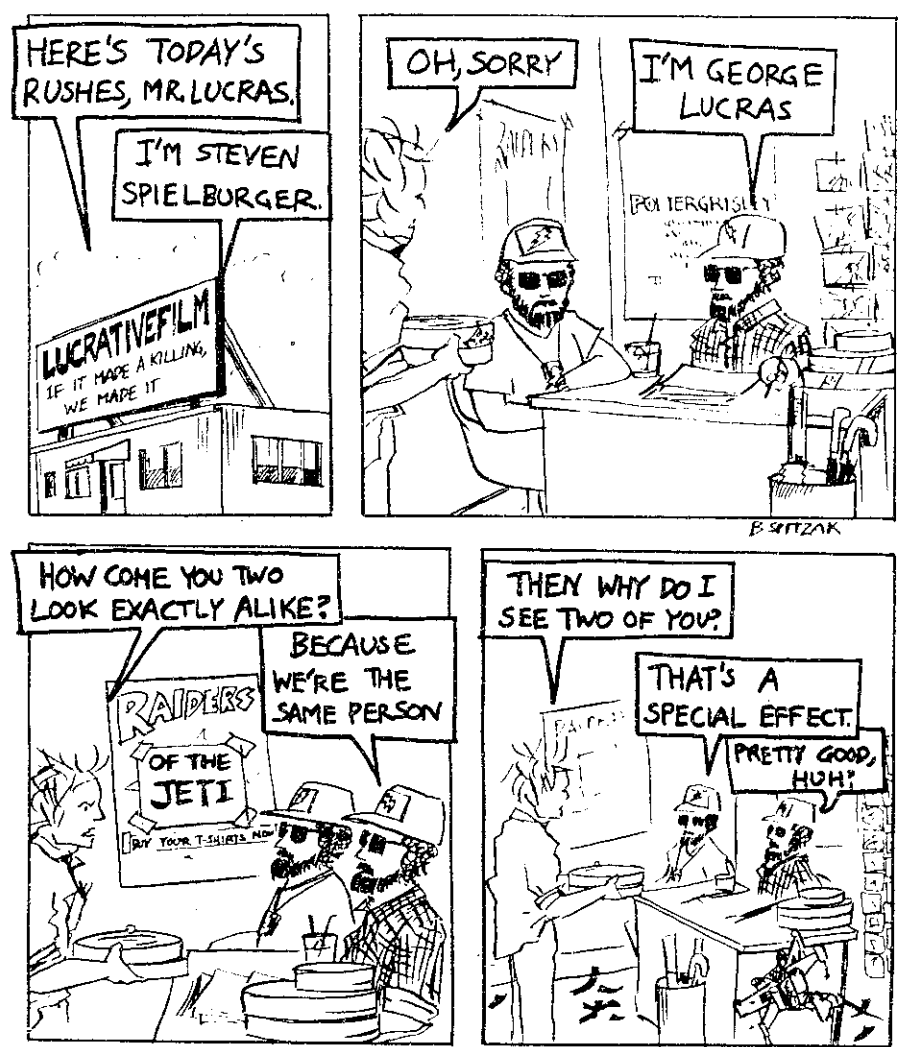
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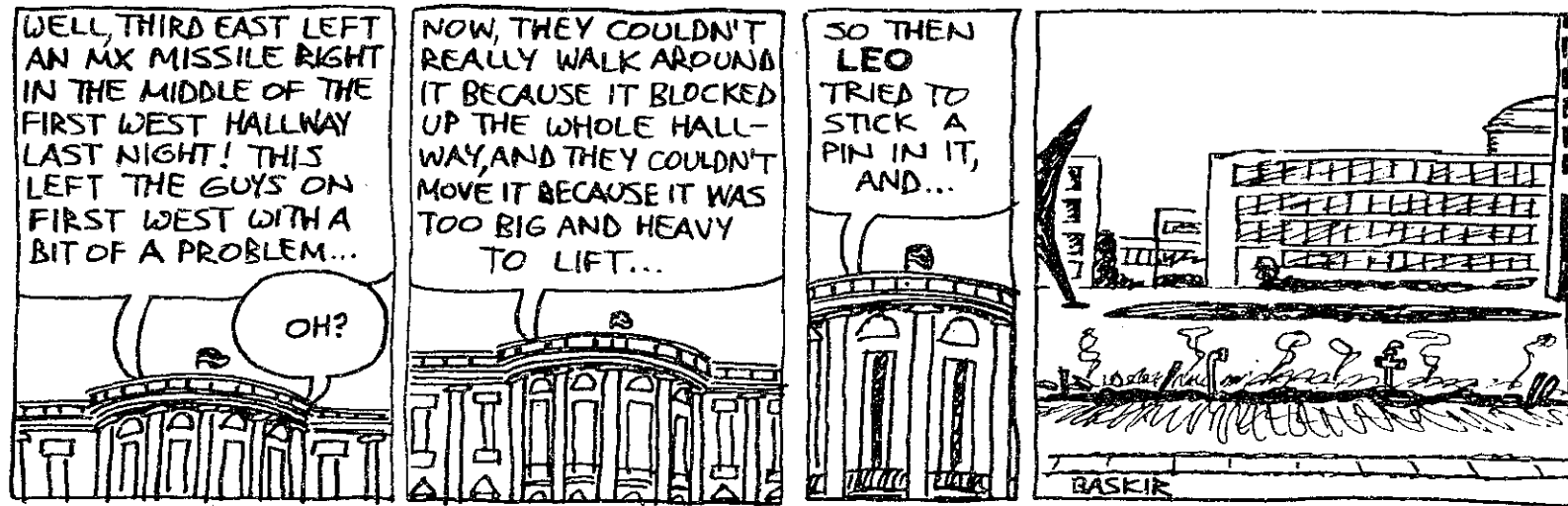
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Buildings will save energy

(Continued from page 1)

agencies. "One of the interesting findings is the increasing number of students becoming interested in building technology," said Michael L. Joroff, director of the Laboratory of Architecture and Planning and associate director of the program.

The group's current projects include a study of the energy impact of microcomputers on offices, Joroff said. "They use an enormous amount of energy and they also generate a tremendous amount of heat, which requires cooling."

Other projects underway include development of scale modeling techniques, physical testing of heat transfer to earth-contact structures, and development of educational programs for graduate and undergraduate students and professionals.

Faculty members participating in the program include Dean of the School of Architecture and Planning John de Monchaux; Dean of the School of Engineering Gerald L. Wilson '61; Professor David N. Wormley '62, head of the Department of Mechanical Engineering; Professor John R. Myer '52, head of the Department of Architecture; and Professor David C. White, director of the Energy Laboratory.

notes

Lectures

Come to the "Humanity and Nature" symposium Apr. 9 at Boston University. Four top scholars will examine man's struggle with nature from different perspectives. Call 353-3081 for more information.

"The Remarried Couple", a lecture by Jamie Kelem Keset of the Riverside Family Institute, will be presented Apr. 11, 8pm, at 259 Walnut St., room 14, Newtonville. For more information, please call 964-6933.

"Finding the common ground between Labor and Environmentalists" is the topic of a discussion Wednesday, Apr. 13, 8pm, at Langdell Hall North Middle, Harvard Law School, 1563 Massachusetts Ave. For information, call 495-3125. Free.

The Department of Nuclear Engineering is sponsoring a weekly lecture series Thursdays, 3-5pm, in room 24-115. On Apr. 14, Prof. E. Gyftopoulos speaks on "Energy Productivity", and Prof. N. Rasmussen lectures on "Reactor Safety."

The Zionist Academic Council in Boston presents a talk on "Latin American Jewry, Israel and Jacobo Timerman" with Prof. Haim Avni, Latin American expert with the Hebrew University's Institute of Contemporary Jewry, at 17 Commonwealth Ave., Thursday, Apr. 21, 7:30pm. Free and open to the public.

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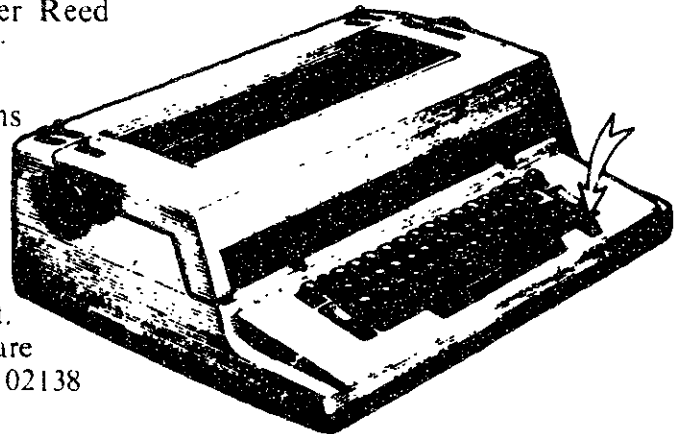
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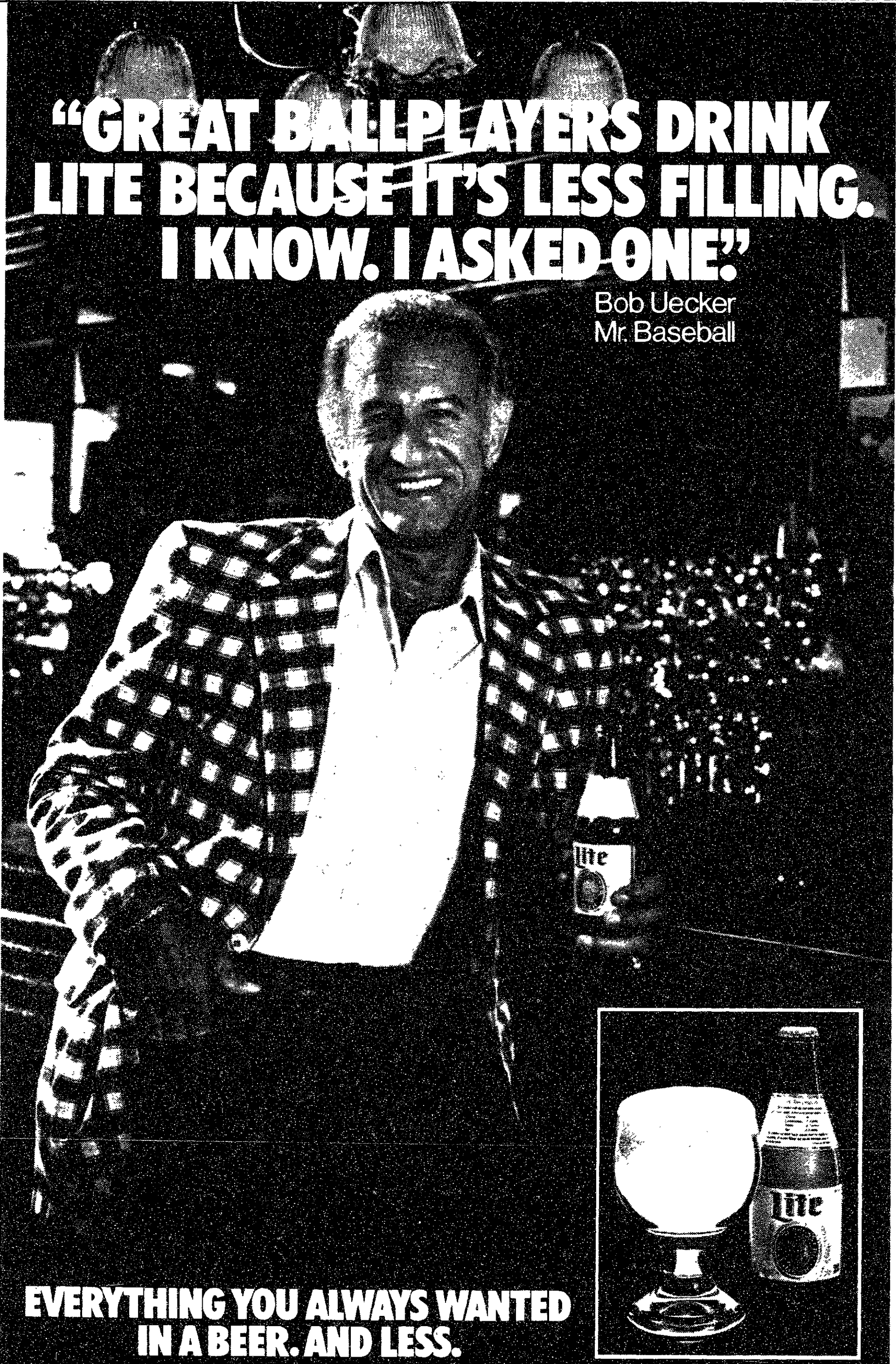
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sports

Baseball loses 5-3 to Crimson homers

(Continued from page 16)

left. Though the Engineers were not able to score him, their momentum carried over to the top of the fifth inning when, with a man on second base, shortstop Dale Rothman '84, stabbed a sizzling ground ball and forced out the runner trying to reach third base.

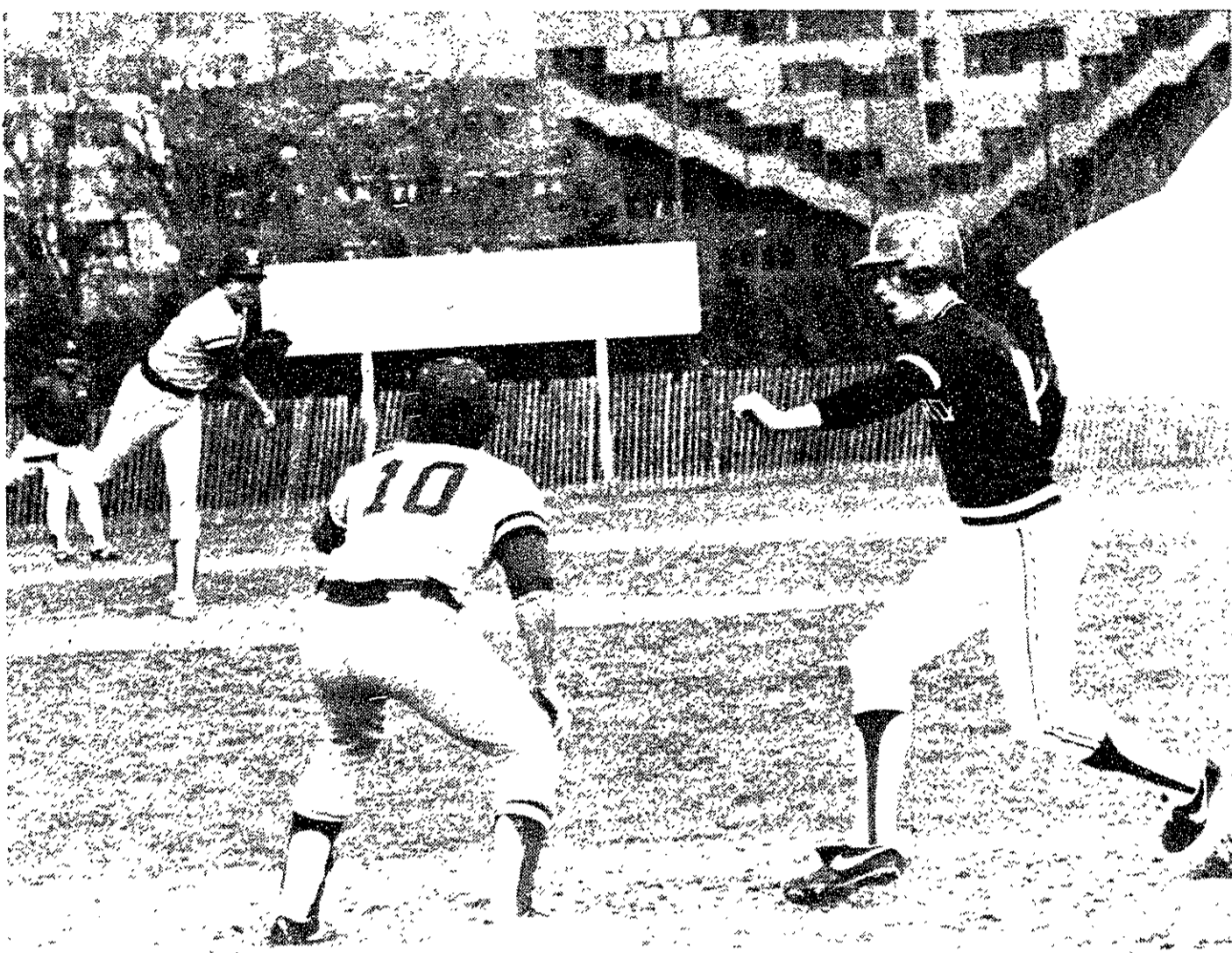
The excitement continued in the bottom half of the inning. MIT's lead-off batter, left fielder Todd Huffman '83, drilled a line shot straight up the third base line. Harvard's Chris Schindler

was unable to handle it, and Huffman arrived safely at first base. Steve Lubiak '83 came up to bat and blooped the first pitch over the second baseman's head. Turning to try to catch the ball, DiCesare collided with the right fielder and the ball fell in for a hit.

The right fielder hastily picked up the ball and threw it well over the shortstop's head at second base, allowing Huffman to slide in safely. Bruce Diaz '84 came up to bat and laid a perfectly-executed sacrifice bunt down the first base line, advancing the runners to second and third. Poole's grounder to second drove in MIT's first run and sent Lubiak to third with two outs. Good pitching by Harvard's Charles Marchese forced the third out, however, stopping MIT's hopes of tying the game.

Harvard picked up two more runs in the sixth when Bauer powered his second two-run homer to left.

The Engineers kept pushing. After Wolfe singled to first base in the eighth, center fielder Steve Kosowsky '83 sent the first pitch sailing over the left center field fence. MIT could not get any closer, though, and the score remained Harvard 5, MIT 3.



Mike DiChristina '85 attempts a pick-off play with Tom Wolfe '84 during Tuesday's 5-3 loss to Harvard.

Tech photo by Robert Winters

The Crimson dropped the Engineers to 0-3, while raising their own mark to three straight wins.

Despite the loss, MIT head coach Fran O'Brien was very optimistic. He stressed that his is a

young team, with many of the key players underclassmen. He also emphasized the fact that Harvard is a Division I team, allowed to recruit the players it needs, while MIT is only Divi-

sion III. O'Brien looks forward to meeting this weekend's opponents, Babson College and the University of New England. "We should have a terrific season," he added.

sports update

Golf — The golf team opened its season Monday and came away with a pair of wins, defeating Clark and Suffolk 397-418-422. Captain Pat Fowler '83 tied for medalist honors and led MIT with a 77. Brent Foy '85 was one stroke off the pace at 78. Rob Irion '85 was behind him at 79.

Lacrosse — The lacrosse team notched its first win of the season Tuesday afternoon by outscoring Westfield State 9-8. Manny Oliveria '83 led the squad with three goals. Mike Ambrogi '85 and Harry Lipschitz G added two apiece. Co-captain Bill Larkins continued his strong work in goal, turning away 24 shots.

Sailing — The women's sailing team struggled a bit this weekend, finishing sixth of ten in the Powder Puff Trophy at the University of Rhode Island Saturday and eighth of eight in Boston University's President's Trophy Sunday. One bright spot in the weekend was Margaret Norris '85, who was the low point skipper in her division Saturday.

The men did well in both of their regattas this weekend. One team placed fourth among twelve in the Owen Trophy at Navy. Peter Quigley '84 placed second in his division in that competition. Another team, meanwhile, finished second in a ten-team field at the Staake Trophy three-crew team race hosted by MIT.

Softball — The softball team raised its record to 3-0 with a 10-2 thrashing of host Clark Wednesday.

Tennis — The men's tennis team also upped its record to 3-0 with a 9-0 blanking of Bowdoin Wednesday.

The women's team dropped to 0-2 with a 5-4 loss at Salem State on Tuesday.

sporting notices

Intramural football rule changes will be discussed Monday, April 11 at 7:30pm in 4-159. Anyone interested in playing under the new rules, as an experiment, this spring should attend. Information can be picked up at the IM office.

The MIT Community Service Fund's **Third Annual Road Race** will be held Sunday, April 24. Entry fee is four dollars by April 21, or five dollars thereafter. All who enter by the 21st will receive a T-shirt. Trophies will be awarded to the winners. For more information contact contact Ron Suduiko in room 5-208.

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Easter and Social Justice

by Rev. Michael McGarry of the Paulist Fathers

"It's a great spiritual feast for Christians around the world," the veteran newscaster announced. It's Easter and there are the predictable video views of church services, the Pope blessing throngs in Rome and pilgrims at the shrine in Jerusalem. "Yes, on Easter millions of Christians around the world remember the spiritual event nearly 2,000 years ago when — they believe — Jesus rose from the dead."

But Easter at its heart is not "spiritual" in the sense of raising human spirits; it is about the raising of a human person — body and spirit. As we Christians say in our Creed, "I believe in the resurrection of the body." What we hear in the various Gospel accounts was how very "fleshy" Jesus' appearances were: from Mary's urgent desire to cling to Jesus, through Jesus frying fish on the lakeshore. What these first believers experienced was not merely Jesus' spirit, as one might speak of encountering the spirit of George Washington in Mt. Vernon. What they encountered was the *person* of Jesus — body and spirit. Admittedly, Jesus' body had been transformed, but his presence was not only spiritual; it was *bodily*.

A more accurate newscaster might correct his copy to say that Easter is a "great bodily feast for the Christians," but more important for us than for the newscaster is our belief that the Feast of Easter reveals a God who is not interested in simply "saving souls," relieving human spirits from the bother of being weighted down with messy bodily functions. Easter was not a divine rescue mission to free us from the nuisance of the body. On the contrary it was God's final affirmation that the Incarnation — the Son of God becoming enfleshed — was not a mistake or fluke. In the resurrection we see that our God saves the whole human person.

When Pope John Paul II spoke against the torture, repression, violence and inequitable distribution of resources in Central America, during his recent visit, only misguided critics would say that he is playing politics and that he should confine his remarks to the "spiritual life." If Christianity were simply a spiritual religion concerned with enlightenment and getting closer to God in a vaguely mystical way, the criticism would be understandable. Christianity is, quite the contrary, passionately and irrevocably committed to resurrection of the body, the whole person.

The celebration of Easter, a *bodily* feast, should prevent us from thinking that caring for the bodily needs of others is not "religious." There is an ineradicable partnership between spiritual and material human needs.

Thus as a resurrection people, Catholics should not be surprised when our bishops criticize proposed cuts in social services, urged by the Reagan administration. As a resurrection people Catholics will not be surprised when the bishops rail against the use of capital punishment which so disdains bodily life. As a resurrection people we do not hesitate to support Church agencies which seek to assist the broken hearted and the broken in body. As a resurrection people we reach out to abused children, battered wives, orphans and migrants. We must protest that which causes it all while offering a healing hand to those who perpetrate these tragedies.

Courtesy of the Tech Catholic Community and Reprinted from The Boston Pilot.

(Paid Advertisement)

Sports

Harvard home runs do in baseball, 5-3

By Carlo Zaffanella

It was a cold Tuesday afternoon for a baseball game, but that did not stop the Engineers. Unfortunately for MIT, it did not stop the Crimson, either. Harvard beat MIT 5-3 after nine hard-fought innings of play, in the Engineers' second home game of the season.

First baseman Ed Farrell put Harvard on the scoreboard first with a second-inning lead-off home run. The visitors scored twice more in the third inning of

Baseball boxscore

HARVARD				MIT			
ab	r	h	bi	ab	r	h	bi
Weller lf	2	2	1	Martelli rf	5	0	1
Vallone cf	5	0	0	Koh dh	3	0	0
Bauer 2b	5	2	3	Wolfe 1b	4	1	3
Farrell 1b	5	1	3	Kosowsky cf	4	1	1
Martelli c	4	0	1	Huffman lf	4	1	0
Allard rf	4	0	0	Lubiak 3b	3	0	1
Schindler 3b	3	0	0	Rothman ss	3	0	1
DiCesare ss	5	0	1	Poole c	4	0	1
Vierra dh	3	0	0	Diaz 2b	2	0	0
				Tentillo ph	1	0	0
				Hoeh 1b	1	0	0
Totals	36	5	9	Totals	34	3	7

Harvard Crimson 0 1 2 0 0 2 0 0 0 — 5
MIT Engineers 0 0 0 1 0 0 2 0 — 3

E—Schindler, Wolfe, LOB—Harvard 12, MIT 7
2B—Weller, HR—Bauer 2, Farrell, Kosowsky, SB—
Weller, Martelli, Schindler, DiCesare, Rothman, S—
Rothman, Diaz

	IP	H	R	ER	BB	SO
Harvard						
Marchese (W,1-0)	8	7	3	2	2	8
Brown (S)	1	0	0	0	0	3
MIT						
DiChristina (L,0-1)	8	9	5	5	6	6
Ferguson	1	0	0	0	1	1

HBP—by DiChristina (Martelli) WP—Marchese
PB—Poole T—2 45 A—25

play when Brad Bauer powered a homer far over the left field fence.

Harvard threatened again in the fourth inning. With two outs, second baseman Tony DiCesare lined a single into shallow right field, then stole second. MIT pitcher Mike DiChristina '85 walked the next two batters, and a strike, three balls, and a foul tip led to a nerve-racking full count.

DiChristina held strong, hurling a fast ball that almost blew past the Harvard batter, but instead nicked the bat and rolled into fair territory just beyond home plate. Freshman catcher Craig Poole pounced on the ball and threw the runner out at first.

With this bit of encouragement, MIT got its first man on base in the bottom of the fourth inning when first baseman Tom Wolfe '84 grounded a single to



Tech photo by Robert Winters

Bruce Diaz '84 swings ahead of a pitch, as Steve Lubiak '83 looks in from third early in the game.

(Please turn to page 15)

weekend preview

Weekend Home Events

Today — The golf team hosts Babson and Worcester Polytechnical Institute at 1pm at the Brae Burn Country Club in Newton.

The men's tennis team takes to the courts at 3pm when it hosts Colby.

Tomorrow — Women's crew will begin its season by hosting Brown, Northeastern, and Radcliffe. The varsity race will start at 11am.

The men's sailing team will be in action at 11:30am in the MIT Invitational.

Women's softball will get a chance to add two more notches in the win column with a double-header against Wheaton. The first game is scheduled to start at 11am.

Men's tennis will finish out its busy week with a 2pm meet against Williams. The meet will be the fourth in as many days for the racquetees.

The outdoor track team will open its home season in a 12:30pm meet with Bowdoin.

Sunday — The baseball team will be out on the diamond for a double-header versus the University of New England. The first game is scheduled for 1pm.

The final phase of the MIT Invitational will start at 9:30am.

Monday — The baseball team will be in action again at 3pm against Brandeis.

Lacrosse will take on Babson at 3pm.

The softball team will host LaSalle Junior College at 3:30pm.

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