

State of the Union

States to control \$47b in programs MIT profs give Reagan low marks

By Stephanie Pollack

In last night's State of the Union address, President Ronald Reagan proposed to "make our system of federalism work again . . . [through] the return of some \$47 billion in Federal programs to state and local government, together with the means to finance them."

The President plans to phase in his program over 10 years. The Federal government would assume full responsibility for the cost of Medicaid in fiscal 1984, with states simultaneously taking over the Food Stamps and Aid to Families with Dependent Children programs. By 1988, state and local governments would be given complete control over forty grant programs.

The program "sets off a competition between the states not to do good, but to do cheap," claimed Institute Professor Robert Solow. Professor of Political Science Walter Dean Burnham contended that "the entire thrust of this policy is class-oriented," calling the address "a one-sided declaration in favor of the rich."

The transfers would initially be supported from a trust fund financed with the proceeds of specific excise taxes. Twenty eight billion dollars a year would be added to the fund for four years. From 1984 to 1988, states could use the fund to finance existing grant programs or as revenue for other programs. The fund would gradually be phased out and the excise taxes then turned directly over to the states.

The President reviewed recent economic history in the first portion of his 45-minute address, contending that the pattern of stagflation and recession of the past decade would be broken because "we have an economic

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By Stephanie Pollack

"The first year of the [Reagan] Administration has made a not very good situation considerably worse," according to Institute Professor Robert Solow.

Solow's assessment matches the pessimistic views on the current state of the country of several other MIT economists and political scientists, who gave President Ronald Reagan mediocre marks for his efforts to improve the situation.

Political Science Professor Walter Dean Burnham expressed strained optimism, commenting that while the "present state of the union is quite poor, it could be worse — we could have a rip-roaring depression and be totally isolated from our friends and allies." The nation's worst problem is high unemployment, according to Assistant Professor of Political Science Thomas Ferguson, "followed by the increasingly unstable state of the world."

Reagan's economic policies were consistently criticized by the professors. Solow noted that, had the President been a student at MIT last year, "the Committee on Academic Performance would be issuing him a warning for sure." Nobel laureate economist Paul Samuelson commented that the current recession "could have

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An anonymous writer expresses an opinion on MIT's decision to solicit development of the the Simplex site. (Photo by Bill Coderre)

Developers sought for Simplex

By Richard Salz

MIT has decided to start soliciting developers for the Simplex site, according to Walter A. Milne, Special Assistant to the President for Urban Relations.

This decision follows the Cambridge City Council's failure to devise a new zoning plan for the property.

Both MIT and the Simplex Steering Committee, a Cambridgeport-based group interested in the development of the site, had submitted rezoning petitions to the city's planning board. Under City ordinance, the council had a limited amount of time to consider any zoning changes. January 4, the deadline, passed

with no positive action by the Council.

The bulk of the Simplex land is zoned Industrial B. "This means it's zoned for everything but housing — we could build anything from a high-rise to an abattoir [slaughterhouse]," said Philip Trussell of the MIT Real Estate Office.

One of the major concerns of the Simplex Committee has been the number of low-income housing units in MIT's announced plans for the site. As presently zoned, housing could be built in a hundred foot deep strip along Brookline Avenue.

An important measure in zoning plans if the Floor Area Ratio

(FAR), the ratio of constructed floor space to acreage. Parking space is not included in the calculation. Technology Square, noted Trussell, has an FAR of about two. The Simplex land is zoned with a maximum FAR of four.

"We're not going to recommend that the site be fully developed to the four level," said Trussell. Trussell added that the developer's kit will recommend developers aim for an FAR of around two.

MIT has since hired a consulting firm to prepare a packet of information which will be sent to

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CAP asks 41 to withdraw, warns 187

By Ivan Fong

In its end-of-term actions last week, the Committee on Academic Performance (CAP) asked 41 students to withdraw from the Institute and placed 187 on academic warning, according to E. Jane Dickson, Assistant to the Chairman of the CAP.

Both Dickson and CAP Chairman Judson R. Baron '48 commented that these numbers and percentages were not abnormally high or low, although Dickson noted that juniors usually receive the fewest number of actions.

The two main functions of the CAP are "to review undergraduate academic records at the end of the term," and "to make sure there is some sort of uniformity [in minimum academic standards] between departments," explained Dickson. Students are flagged by the Registrar if they have a Term Rating of less than 3.0 or if they are registered for less than 36 units. Each department then meets at the end of each term to discuss individual student records, and subsequently recommends to the CAP those students who should be put on warning, given a deferred decision letter, or required to withdraw.

"The CAP tries to go along with the department, but will change the recommendation if we feel it's not reasonable given the student's record," said Dickson.

"The CAP is a moderating agent . . . the individual depart-

ment looks at both the student's grades and grade history," noted Baron.

The CAP actions do not appear on the student's permanent transcript, and the actions are not meant to be punitive measures but rather helping mechanisms, according to Dickson.

The suggested limit for students on academic warning is 48 units. Students are usually not asked to withdraw unless they have been placed on warning the previous term. A deferred decision letter informs the student of the action the CAP is contemplating and advises him to meet with his advisor, to help provide the committee with more information concerning the student's record.

A student required to withdraw must take at least one term away from MIT and may not register for any following term until he has been readmitted to MIT by either the Office of the Dean for Student Affairs or the CAP, according to a September, 1980, *Guide for Undergraduates and Faculty Advisors* prepared by the CAP.

Dickson commented that there was a slightly larger number of readmitted students this term than before, but said it did not necessarily reflect any trend. The CAP also acts on petitions from students to add or drop a subject after the add or drop date, to give an extension for a grade of Incomplete, and to change the grading of a subject to or from pass/fail.

CAP Actions January, 1982	Required Withdrawals	Warnings
senior	14 (1.04%)	38 (2.83%)
junior	18 (1.63%)	56 (5.07%)
sophomore	9 (0.79%)	52 (4.57%)
freshman	0 (0.00%)	41 (3.96%)
Totals	41 (0.89%)	187 (4.05%)

ODSA examines UA and ASA

By Laura Farhie

Students and administrators discussed how student activities report to one another and to student government at a luncheon Monday sponsored by the Office of the Dean for Student Affairs (ODSA).

Dean for Student Affairs Shirley McBay noted two important problems among student activities: the General Assembly (GA) needs to "get its act together" to oversee its subor-

dinate committees; and "it's not clear that the Association of Student Activities (ASA) has been very active."

Undergraduate Association President (UAP) John DeRubeis '83 presented a model depicting the GA as the parent organization of the ASA, Finance Board (Fin-Board), Student Center Committee (SCC), Student Information Processing Board (SIPB), and other committees.

When McBay asked DeRubeis

what the line setting the GA over the other committees and boards meant, the UAP replied, "there's just a line from the GA down, it doesn't really attach to anything. It's not really clear as to who is accountable to what, and that's why Dean McBay set up these meetings."

"Six and one-half years ago, when I was a freshman, I was taught that there was no GA," said SIPB Chairman William York '82. He added, "in recent years, there has been more activity between SIPB and the GA. We don't really have to interact with the student government; every year our budget goes through a one-step interface with the administration."

"The SCC does not belong to the UA," said SCC Chairman Steven Thomas '82. "The SCC worked with the Dean's Office on a weekly basis all through the term" and therefore was accountable to some group, he claimed.

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inside

US Congressman Barney Frank and Professors David Baltimore and Herman Feshbach spoke on the second anniversary of Andrei Sakharov's internal exile. Page 2.

Professor John M. Deutch '61, new Dean of the School of Science, comments on his new job. Page 2.

Arts goes native. Page 5.

Symposium honors Sakharov

By Susan Hagadorn

US Congressman Barney Frank, Andrei Sakharov's daughter-in-law Liza Alekseyeva, and two MIT professors were among the participants in a symposium entitled "Human Rights: the Crisis in Eastern Europe." The conference, held Friday in the Student Center to mark the second year of internal exile for dissident Soviet physicist Andrei Sakharov, was co-sponsored by MIT Hillel and Amnesty International.

"We're here because the Russians wish we weren't here," said Frank. "... What we're dealing with is moral force." The Soviets monitor the world press, Frank continued, and are embarrassed by public criticism; drawing attention to Soviet human rights violations helps to ease pressure on the victims. "This is both a pragmatic and a moral victory. [although] it's hard to cheer when you persuade someone to stop standing on someone's neck," he added.

Biology Professor David Baltimore described a private meeting he attended in 1975 of "refuseniks," dissident Soviet

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Liza Alekseyeva, Soviet dissident Andrei Sakharov's daughter-in-law, was among participants at the Human Rights Symposium held last Friday. (Photo by Eve Durra)

Foreigners face tough competition

By Moris Dovek

(Editor's note: This article is the second of a two-part series on international students at MIT.)

Foreigners applying to MIT at both the graduate and undergraduate levels experience tough competition from the high number of foreign applicants, the limits on international acceptances, and the equally strong academic backgrounds of the applicants.

Last year, out of 797 applicants, only 63 were offered undergraduate admission. Marilee Jones, Assistant to the Director of Admissions, noted there is currently a six to eight percent quota on the number of international students to be admitted to each freshman class.

Forty-eight of this year's 1,002 freshmen are citizens of countries other than the United States and Canada. The number of foreign students admitted to the freshman class will remain constant, "provided that the size of the freshman class does not change."

The number of foreign graduate students admitted each year is not as strictly limited as that of undergraduates, according to Eugene R. Chamberlain, Associate Dean for Student Affairs and International Students' Advisor. In the early 1970's the Committee on Graduate School Policy issued a statement to all departments recommending 29 percent foreign student enrollment. "Nobody polices this," said Chamberlain. Each department has a different percentage of foreign students, he said. He attributed this in part to the varying number of research and teaching assistantships offered by different departments, as they are the only form of financial aid foreign graduate students may receive from the Institute.

Jones said the admissions policy used for foreign undergraduates is almost the same as the one used for domestic applicants. Foreign applicants need not take the SAT. Instead, they may submit scores from an additional science Achievement Test and the Test of English as a Foreign Language (TOEFL). Foreign entrance exams such as the International Baccalaureate, the British A and O level exams, the German Abitur, and the French Baccalaureate, are used in addition to the required College Board tests. "It can get very hairy," Jones continued, when working with unfamiliar systems

of schooling.

The admissions office assigns all of the applications from a particular country's citizens to one admissions officer, regardless of where the applicant received his high school education.

The college board test scores of foreign applicants is so high that choosing between them is very difficult, according to Jones; hence, the personality rating becomes very important in making admission decisions on foreign applicants. She said the admissions officers keep in minds that students in different countries have differing opportunities for participating in extracurricular activities. "We expect to see different pictures," she continued, when reading applications from different countries.

"The essays become very important," said Jones, but depending only on them is impractical since some students—especially the ones from the Far East—are "too humble to pour their personalities into the ap-

plications." Each student has to be given special time and attention, concluded Jones, "and we give it to them."

The TOEFL is required from graduate school applicants, in addition to the tests, if any, required by the departments to which the student is applying. The country from which an applicant gets his undergraduate degree does not affect the admissions, according to Chamberlain. He noted that approximately two-thirds of the graduate students at MIT receive their undergraduate degrees from universities in their home countries.

Most of the applicants from each country are graduates of well-known high schools. Jones attributed this to the reputation of MIT among the students and college counselors of these high schools. When MIT admits a student from a particular high school or country, that high school or country's number of applicants frequently increases, according to Jones.

New Dean promises to maintain excellence

By Barry S. Surman

"My real worry is that we sacrifice excellence in education and research, and I will not allow that to happen," declared Professor John M. Deutch '61, newly-appointed Dean of the School of Science.

Deutch, Arthur C. Cope Professor of Chemistry, will succeed Professor Robert A. Albery on March 1. Albery has held the post of Dean of the School of Science since 1967.

His role as Dean, said Deutch, will be "to assure that [department] chairmen are keeping their eyes on excellence in education and research programs ... to reflect the chairmen's concerns to the higher administration ... [and] to reflect the problems of the higher administration to the chairmen."

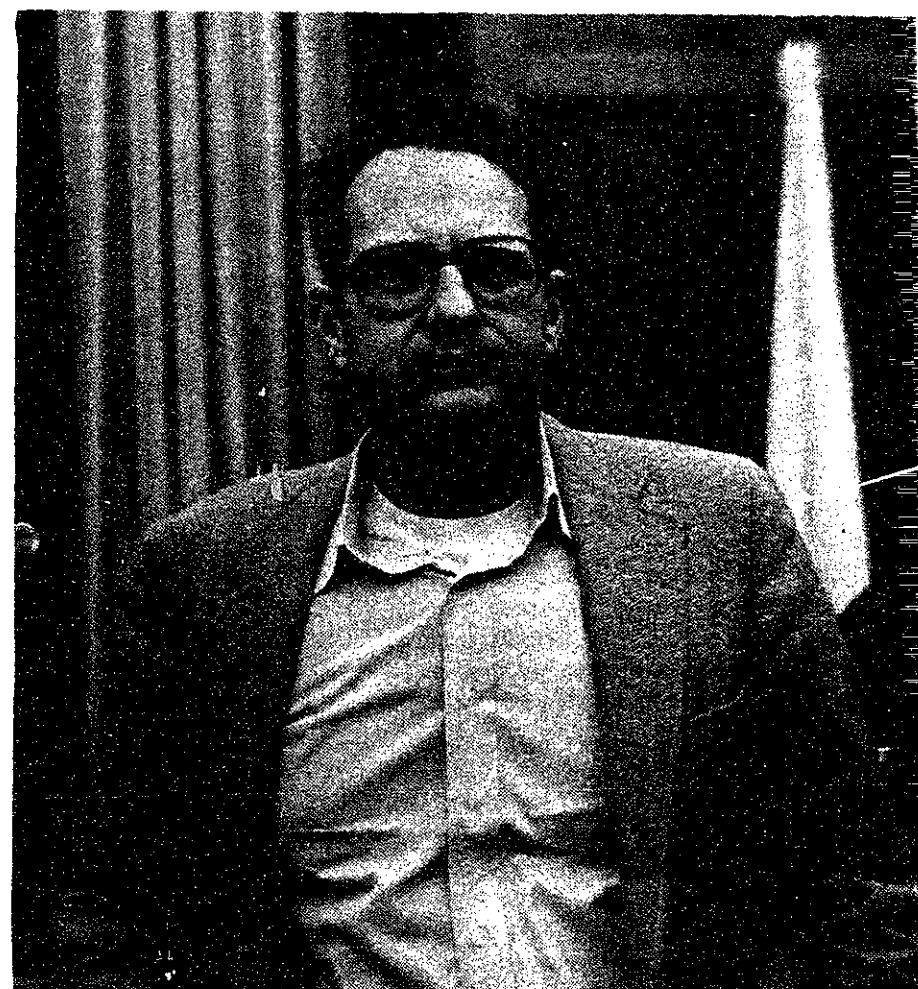
He also expressed confidence in the structure of MIT, which placed responsibility for academic and research programs with department chairmen.

Reagan Administration policies will not endanger funding

for the sciences at MIT, claim Deutch. "I don't believe MIT, in the basic science area, is in real jeopardy. I don't believe the Administration has a policy against basic research," he said. Deutch expressed concern about the effect of Reagan's economic policy on "the scientific community as a whole."

"In general, I do support relations between universities and industry," Deutch said. "I think they present fabulous difficulties for the universities, but they present great opportunities." Deutch declined to comment on a Whitehead Institute, saying "I am not an expert on the Whitehead Institute."

From 1977 to 1980, Deutch was on leave from MIT. Deutch held various high posts in the U.S. Department of Energy. As Undersecretary, he headed all the Department's non-regulatory programs, including those for wind, solar, and nuclear power conservation and environmental protection, and manufacture of nuclear weapons for the Department of Defense.



Professor John M. Deutch has been named Dean of School of Science, effective March 1. (Photo by Bill Coderre)

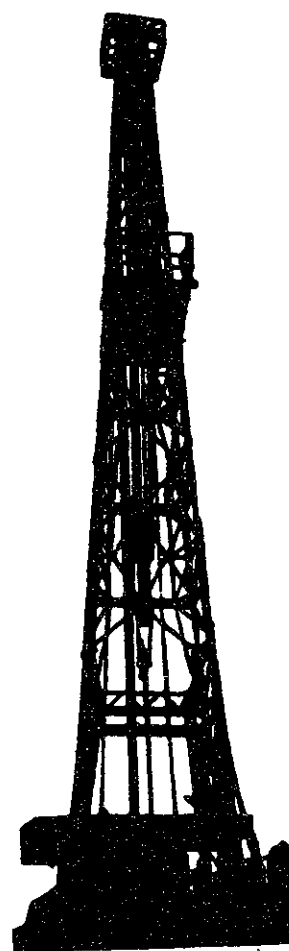
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news roundup

World

Jaruzelski speaks to Parliament — General Wojciech Jaruzelski, Prime Minister of Poland, declared he wanted to end martial law "as soon as possible," but did not set a specific date for the removal of military rule. The general also attacked the US economic sanctions on Poland. He delivered the speech before the first session of the Polish parliament since the imposition of martial law.

Italian Communist Party denounces Soviet policies — In response to Soviet accusations that it provides "direct aid to imperialism," the Italian Communist Party (PCI) decried Soviet actions in Poland and Afghanistan and contended that the Soviet government had renounced anti-Stalinization.

Gromyko meets with Haig — Soviet Foreign Minister Andrei A. Gromyko met twice yesterday with Secretary of State Alexander Haig, Jr. Gromyko claimed before the meeting that he had "no intention whatsoever" of discussing the situation in Poland.

Quaddafi returns from Algeria and Tunisia — A weeklong visit to Algeria and Tunisia by Colonel Muammar el-Quaddafi of Libya has confused and concerned leaders in both countries. The Libyan press agency claimed that Libya and Algeria were working on an agreement to create a unified Islamic Republic; Algerian officials were reportedly upset by the claim.

Tony Zamparutti

Weather

Increasing cloudiness during the day today with milder temperatures. Highs will be in the upper 20's. Cloudy and mild tonight with perhaps an occasional flurry. Overnight temperatures will be in the middle 20's. Variable clouds and sunshine for Thursday with temperatures near 40.

James Franklin

Dean's Office questions accountability

(Continued from page 1)

"I do not think we have much to do with the GA at all," reported former ASA Chairman Lucinda Linde '82. "We've gotten their minutes," she said, "but that's about it." She explained that the ASA is more closely linked with FinBoard.

"A [student activity] group can go to FinBoard for money without going to the GA to get it approved," said UA Vice President Ken Dumas '83. McBay suggested that GA representatives to FinBoard can provide feedback.

After the luncheon, Professor Charles E. Holt II, member of the

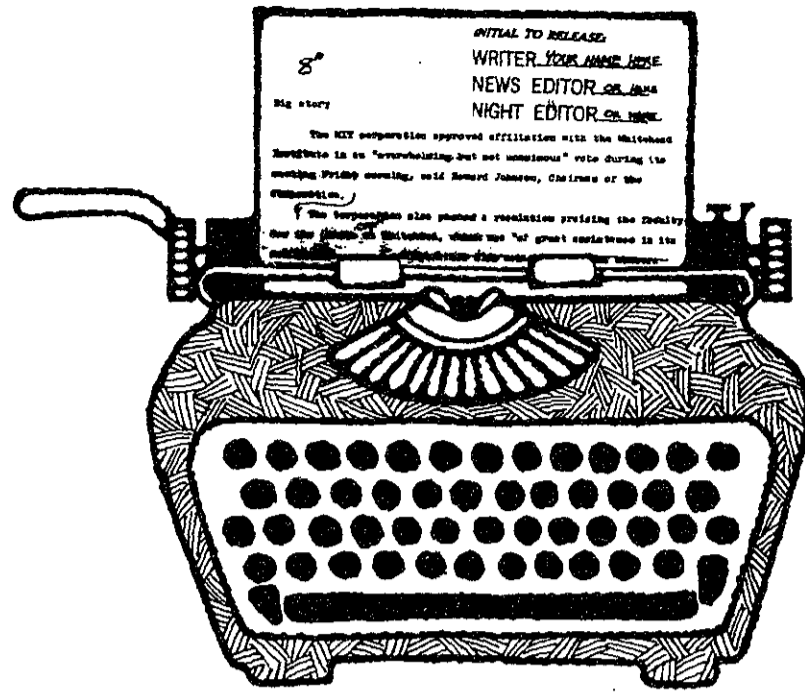
Committee on Student Affairs, said "groups like the SCC work well because they have control over the income they generate. If you take that control away, you take away the short-term satisfaction that people in the group obtain. That is not to say that the group should not be accountable to the community."

Professor Jeffrey Meldman '85, Activities Development Board Chairman, said the consensus he perceived at the luncheon is that "a sharing of information rather than a restructure of control" is needed.

Holt claimed that it is impor-

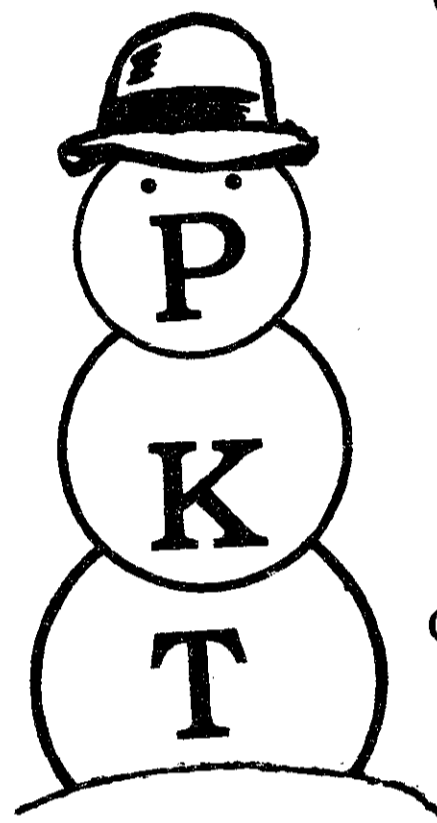
tant for student groups "not only to act responsibly, but to be ready to portray the attitude of responsibility." He suggested, "say to them, 'this job you have is a very important one because it affects other people.'"

"Accountability has elements of dilemma," Holt said. If each student activity asked permission every time it wished to make a decision, he explained, "the whole structure would crumble down." Any student not responsible to another might only look out for its own interests, he added. "It is important that groups be accountable to groups," he concluded.



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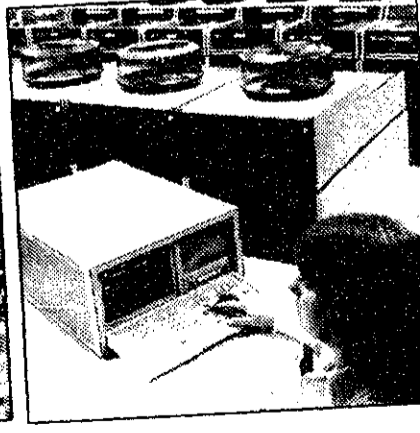
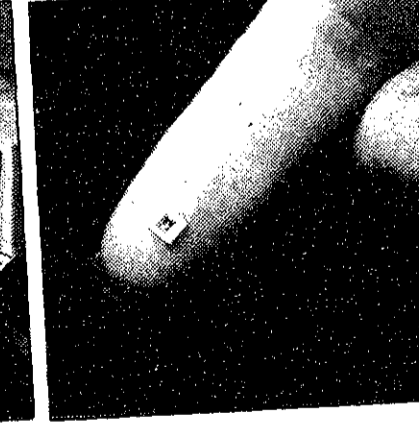
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Stephanie Pollack

Getting both a degree and an education

At Tufts, students line up outside the library on Sunday mornings to make sure they get the choice seats. At the University of Michigan, a dormitory director notes that career pressures formerly afflicting only juniors and seniors are now a four-year phenomenon. At Brown, a senior started the dormitory's first political discussion of the term, only to be asked by freshmen to keep quiet.

These single-minded students will probably get good grades out of their four years in college; they may not get a good education. The Association of American Colleges (AAC) is studying the meaning of the bachelor's degree, but the evaluation has seemingly come too late: under pressure from a stagnating economy, students have apparently decided that such a degree is nothing more than a necessary credential for access to graduate school or a job.

If either the tools or the AAC want to consider the undergraduate degree as more than a means to a career—to view it instead as an end in itself—their searches must broaden. Both groups have chosen the classroom as the focus of their studies, eliminating from consideration a broad range of educational alternatives. That political discussion at Brown, for example, was probably more educational than the course for which the annoyed freshmen were studying.

No matter how wide their search, however, evaluators should not be able to define a single objective for undergraduate education. Students pursue goals as varied as careers, marriage, knowledge, and self-understanding during their years in college. Any attempt to consolidate the educational objectives of the nation's undergraduates into

a single definition of a bachelor's degree will fail.

If one of the AAC's 17 investigators were to ask me about the objective of my MIT education, the response would differ from that of most of my classmates. Defining the outcome of my four years at the Institute is easier than I would have predicted while a freshman. I arrived here bearing only disjointed and half-formed ideas on life; I will leave with a well-developed personal philosophy.

I did not come to MIT with a goal of finding myself or evaluating my place in the world. The Institute was simply a place in which I could receive the technical training to become a nuclear engineer. My original goal was quickly submerged in a sea of ideas whose existence I had never even contemplated. Newspaper, teachers, lectures, and classmates challenged me to think about what I would do with my technical education after I left MIT for the real world.

A tentative conclusion began to emerge from the confusion, but it seemed unrealistic. I was beginning to believe that I might individually be capable of significantly improving the world. What a silly notion: very few individuals make lasting contributions to mankind, and I was surely not in their class. Still confused and somewhat ashamed of my egotism, I suppressed the idea.

Still, I continued to read and listen and search, and I became angry. No one seemed to be able to deal with the world's many pressing problems. My views changed somewhat; although still unsure of my ability to successfully effect change, I came to believe that I was morally obligated to try.

One day I read a speech Senator Robert Kennedy had given to a group of South African students. He told them,

Few have the greatness to bend history itself, but each of us can work to change a small portion of events, and in the total of all those acts will be written the history of this generation.

Of course—while my singular endeavors might not have any great effect by themselves, my efforts would join with those of others to achieve the changes the world so sorely needed. My radical idea was burdensome rather than irresponsible.

I suddenly realized that the "me generation" was a misnomer for a group of people so concerned about becoming a part of the system that many are willing to submerge or alter their personalities in order to be successful. The me generation of which I am a member believes in the power of the individual: organizations are, after all, no more than collections of people. Let others continue on their path of self-submersion—I can not.

My revelation is, I realize, a strange culmination of forty thousand dollars' worth of technical training. Neither my parents nor my scholarship sources were paying for philosophy lessons. Neither the AAC study committee nor the tools outside the Tufts library would find my newfound views a suitable outcome for an undergraduate education. I don't care. The tools of caring and self-confidence I acquired here are far more powerful than those of physics or calculus. Any proof will come in my accomplishments.

The Tech

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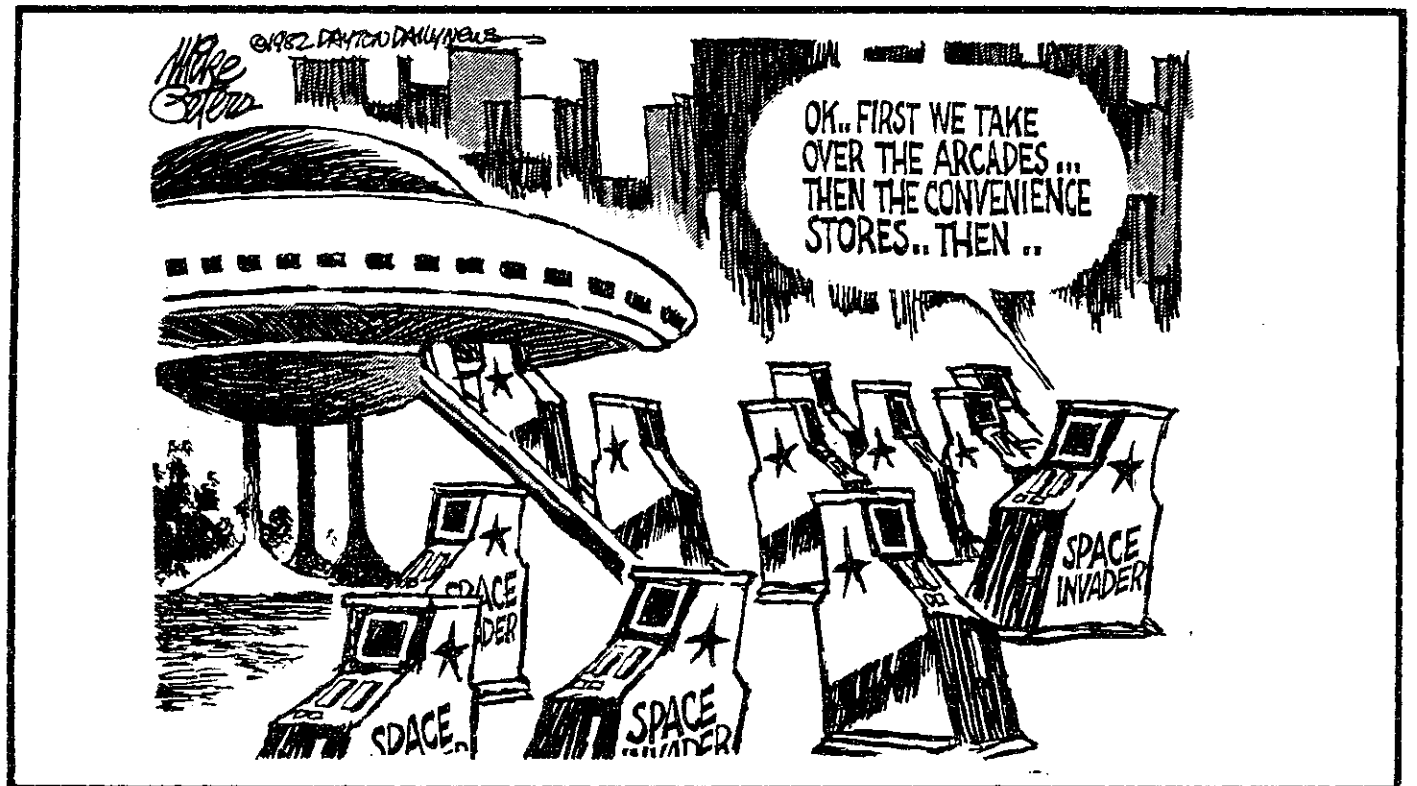
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Gerard Weatherby

A plane crash that hit home

I didn't find the paper on the kitchen table, so I went downstairs to the front stoop of the building to look for it. Sometimes it arrives after my roommate leaves; sometimes it doesn't arrive at all.

I was hoping the newspaper was there because, let's face it, breakfast *without* Garfield is not quite the same as breakfast *with* Garfield.

The paper was there. As I bent down to pull it out of the snow, the headline crashed into my consciousness: "D.C. Plane Crash Kills 56." I stood there a moment, not sure whether to stand in the doorway and read the story or to go upstairs and sit down. I gust of wind decided for me—I went upstairs.

I read the story with special fascination and dread. I grew up in the Greater Washington, DC, area. I know where the 14th St. Bridge is; I've often driven down the George Washington parkway, paralleling the Potomac. I've swum, canoed, and hiked along it. I've flown in and out of National Airport fairly often.

Three whole pages of story and photos. The photos were bad and the stories repetitive, but I nonetheless read every word, fearing to find a familiar name.

It's the subtle news that gets you the most: "Rescue efforts were hampered by a subway derailment that killed four . . ."

All sorts of questions filled my mind. A man had jumped from the bridge to rescue a woman who lost grip of a rescue line. How do you make a decision like that, knowing full well that to enter the Potomac when it is iced is usually death? A handful of people from the tail section survived. How were they chosen? Were they fortunate enough to arrive late and get stuck in the back of the plane? Why did the first derailment in the history of the subway take place, so close, on the same day?

The questions gave way to a frustrated anger. National was an accident waiting to happen. When you fly into Logan, the airport sneaks up on you. The pilot turns on the "fasten seat belts" sign and the plane descends slowly, getting closer and closer to the ground. You watch the ground come up slowly and start to wonder where the heck the airport is, and eventually the plane passes over the row of blue lights and casually sets down on the strip.

Flying down the river into National, though, is completely different. The plane comes down, zigs one way and then the other and PLOP, the plane bangs down at the airport. A family acquaintance who is an airline pilot used to tell of planning where to put the plane down if he lost an engine when applying power for the turns. He said he thought he could set it down on the water

between bridges, but was never quite sure.

I wondered whether the Air Florida jet would have made it up if the runway had been longer or if it didn't have to turn just after takeoff. I wondered whether, had the accident happened at the other airport in town, Dulles, the trees surrounding the longer runways would have killed as many as the icy waters of the Potomac.

The problem with Dulles is it takes from forty-five minutes to over an hour to get to the city. Dulles is in the middle of nowhere, an airport standing in the midst of acres of trees.

The millions who fly in and out of National instead of Dulles save a couple hours each time. A plane could have crashed coming off the runway at Dulles. After all, no one is quite sure what caused the jet to go down. However, no one claims National isn't a greater risk than Dulles. Where do you draw the line between safety and convenience?

To be sure, commercial air is still statistically the safest way to travel. At least while crossing Mass. Ave. or driving down Mem. Drive you have the illusion of having some control over your fate. What do you do—what do you think—when strapped inside a steel coffin that is going down?

Somehow, even breakfast *with* Garfield was pretty lousy that day.

Tribal Jargon

At first glance these three new releases appear to have no relation to each other, but at a closer listen the stylistic similarities are obvious. Recording artists from the Talking Heads to Bow Wow Wow have incorporated "tribal rhythms" into their music and so have the folks on these three records. Which of these, if any, is a sincere attempt to incorporate tribal structures? Let's compare and decide:

Prince Charming. Adam and the Ants on Epic Records.

Almost exactly one year ago, the Great Ants and the Ants media blitz seized America. No radio station was safe from Antmusic, no newspaper was without some footage of the Ant invasion (he was even on Tom Snyder's show, remember?). Despite all the hype, the Ants never became the household word they had become in Britain — by the summer they were almost completely forgotten.

Why was Antmusic a trend rather than a way of life? Because the music was only mediocre. Adam's first album, *Kings of the Wild Frontier*, consisted of two catchy tunes and lots of filler that did not exploit the clickety-clack drumstick interplay that made "Dog Eat Dog" and "Antmusic" smash hits. (Here's where the tribal stuff fits in. Adam's stick-clicking twin-drummer sound is a blatant ripoff — see the next review.)

Here we are, one year later, and Adam and the Ants are starting their play for a comeback. According to their press release, the new record, *Prince Charming*, "will pave the way in establishing Adam's new look." Apparently Adam is getting tired of clothes and makeup (I was getting tired of the white stripe over his left eye is simply the new heart over his left eye, however, stunning). All of this is to no avail, however, because this album is worse than its predecessor.

Prince Charming is full of the pirates and ants stuff we know and love, but the only real innovation is the addition of a horn section in "Scorpios," a tune that perpetuates Adam's brave young gang mythos. Other songs deliver platitudes like "ridicule is nothing to be scared of" and "virginity's no crime," but Adam just can't produce the music to lend conviction to his sermonettes.

I must confess that I do like one of the tunes, "Stand and Deliver," but that had already been released as a single and is currently included as a bonus with the first album. If you really want some Antmusic for your collection, buy *Kings of the Wild Frontier* — *Prince Charming* should have been called *More Songs about Buildings and Ants*.



Adam & the Ants

Burundi Black. a Cachalot Records EP. The notes on the back of this disc provide the best explanation: "Burundi Black was made from a field recording in African Burundi... featuring the Royal Ingoma drums of the Burundi people."

Over the years, the rhythm track has backed various musical arrangements, with the current version featuring a piano and percussion setting by Rusty Egan. Egan is the drummer for Visage, one of the New Romantic groups with which Adam and the Ants claim kinship. (See how it all fits together?)

I really like this disc for the first two minutes, in which you hear nothing but the drumming (and Adam's clicking drumstick source), but the extra instrumentation lends nothing of merit, instead it detracts from the subtle interplay of the original drumming at a moment's notice, but until I find one, this EP will have to serve.

BURUNDI BLACK



Jon Hassell

Dream Theory in Malaya. Jon Hassell on Editions EG Records.

Jon Hassell creates what he calls "fourth world" music — a synthesis of third world rhythms and modern electronic techniques. His previous albums, *Vernal Equinox* and *Possible Musics*, only limited at the possibilities inherent in his compositional techniques, but *Dream Theory in Malaya* is a masterful exploration of Hassell's primitive/futuristic synthesis.

The backing instrumentation on this disc is minimal — native percussion, bass, a few sounds — a wide range of startlingly human textures — a breathy, almost moaning tone. The music is calm and serene, but requires attention if you are to hear all of Hassell's disc. I cannot describe the music on this rhythm drifts in and out of the foreground, never dominant (as in *Burundi Black*) but combine on this record to produce a set of restful pieces that still tug at you long after the music's over.

David Shaw

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MIT professors assess the state of the union

(Continued from page 1)

been predicted from the policies being followed in Washington, some of which were inherited." He added that the President had "plenty of opportunities to avoid the recession."

The President's primary economic accomplishment, according to Solow, was "to actually start transferring income from the poor to the rich." Samuelson summarized Reagan's tax policies by noting that he had "just given a Santa Claus present in the form of Kemp-Roth" to the rich and was about "to offset his generosity to the higher half of the income distribution with taxes on the poor and middle-income people."

Excise taxes, mentioned as a potential funding source for both state and Federal governments, are sharply regressive and fall most heavily on the poor, according to Ferguson. He added, "fighting inflation with unemployment is not a very good thing to do." Professor of Political Science William Griffith said the Administration's economic policies had led to a "social state of the country of increasing tensions on the part of the poor, unemployed, and disadvantaged."

Reagan's policies to stimulate capital formation and productivity are not likely to work, according to the MIT analysts. Ferguson said the Federal Reserve Board's tight monetary policy would prevent the tax cuts from stimulating investment. Samuelson said the cuts were "not well gauged to increasing capital formation." As for supply-side economics, Solow contended that "no one with any intelligence ever took any of that seriously."

Neither Samuelson nor Solow expressed concern about the Administration's projections of a \$100 billion budget deficit for the

next fiscal year. "A modern economist should not be alarmed at a recession deficit," according to Samuelson. With a \$3 trillion economy, the deficit constitutes only three percent of the Gross National Product, he noted. Solow claimed that most of the current deficit results from the recession, although deficits will continue past the end of the economic downturn. "For someone like me," Solow commented, "there is great entertainment in watching Republicans get trapped in their own rhetoric about deficits."

Samuelson concluded that the President's economic policy was intended to achieve his social goals. He said the President was "using the persuasive symbols of fighting inflation and increasing capital formation and, down the road, reducing unemployment, to slow down and even reverse and undo the forty-year New Deal march toward a welfare state."

The President's performance on national security and foreign policy issues received equally mediocre ratings. "The general national security stance of the United States has shown modest

improvement," according to Political Science professor Lincoln Bloomfield. Reagan has, however, squandered much of the Carter Administration's progress on restoring the country's reputation in Africa and Latin America, he added.

Bloomfield, who worked on global issues for Carter's

however, that the Reagan Administration has not yet realized that "third-world issues will contribute to a real erosion of the western alliance" in the near future. The resulting "strains run the risk of prematurely shaking up the alliance in ways I would not want the Soviets to misread," Bloomfield said.

"...there is great entertainment in watching Republicans get trapped in their own rhetoric about deficits."

National Security Council, would give the President "a C at best" on integrating foreign policy goals. Griffith also cited inconsistencies in Reagan's approach, noting that the strongest aspect of his foreign policy is his "plain intention of building up defense, and the weakest is that it's mostly talk."

Bloomfield said the "Soviets have gotten a definite message, which is probably helpful if followed up by serious negotiations." He warned,

Both Bloomfield and Griffith noted that the President had not adequately emphasized arms control and disarmament issues during his first year in office. According to Griffith, Reagan has been slow in realizing the importance of negotiations and "too many people in the Administration are even slower than the President on arms control." Bloomfield said Reagan needs to gain "a far more urgent sense of arms control."

Political Science Professor Wil-

liam Kaufman cited defense spending as Reagan's most pressing foreign policy problem. "Not only is he planning to spend too much, too soon," he noted, "but he is spending it on the wrong things." Kaufman is currently working for the Brookings Institution to develop a list of defense budget cuts designed to save \$50 billion over three years. The Administration's spending plans are not aimed at addressing the problem of the window of vulnerability, according to Kaufman. "I don't even think they believe their own rhetoric" on vulnerability, he added.

The Administration's early problems with economic, domestic, and foreign policy have dimmed the Republicans' prospects for the mid-term elections this year, claimed Burnham. He noted that the President remains popular, but his personal appeal will not prevent his party from losing "between one and two dozen seats in the House" of Representatives. Burnham further predicted that the Republicans will retain their control of the Senate, and perhaps gain one or two seats.

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MIT seeks Simplex developers

(Continued from page 1)
 a half-dozen firms in order to attract a developer for Simplex.
 Milne likened the packet to a department store's display window. "the idea being that once they see what's available, they'll come into the store" The packet, called a developer's kit, is still being prepared. It will be sent to the as yet undetermined firms within three weeks, according to Milne.
 The Simplex site will be used solely as an investment property. "We have no plan to get involved in financing or building in the development," said Milne. He confirmed that the site could bring MIT several million dollars a year, but pointed out that even if everything went perfectly, it would probably take about a decade for the income to reach that level.

Brief history of the Simplex property

By Richard Salz

In July of 1969, MIT purchased the Cambridge property of the Simplex Wire and Cable Company. Because the firm was anxious to move to Maine for economic reasons, the Institute was able to purchase the site for the bargain price of \$12 million.
 Part of the 18¼-acre site is directly adjacent to Institute property. The land itself is bounded by Emily, Sidney, and Brookline Streets in Cambridgeport.
 In early 1970, the Cambridgeport Planning Team (CPT), a Federally-funded neighborhood planning organization, told MIT the community wanted the Institute to develop part of the site for low-income housing and blue-collar industry.
 The Institute made no public move to do anything with the property, and a year later the CPT announced the formation of the Simplex Steering Committee to "carry on the fight." Discussion continued, with the Committee often claiming it was being ignored by MIT. In 1974, the Cambridge City Council resolved not to issue any building permits "until the neighborhood planning process is completed and recognized by MIT as a mandate for development of the Simplex land."
 In 1978, the Institute started looking for someone to buy the property and, late in the year, the Polaroid Corporation expressed an interest. The two parties met occasionally, but no deal was made.

Soviet policy discussed

(Continued from page 2)
 scientists who have been denied facilities to work in. The Soviet Union has since cracked down on such meetings, but we "must not give in to the temptation to isolate ourselves politically from the US-SR," he said. He criticized the Reagan Administration's link between the SALT talks and Poland as punishing ourselves, rather than the Soviets.

Herman Feshbach, Head of the Department of Physics, pointed out that skepticism and the ability to communicate freely are necessary to a scientist. Both of these needs, he said, conflict with a totalitarian government's goal of maintaining control of its populace. This leads to oppression of scientists, among others, by such governments.

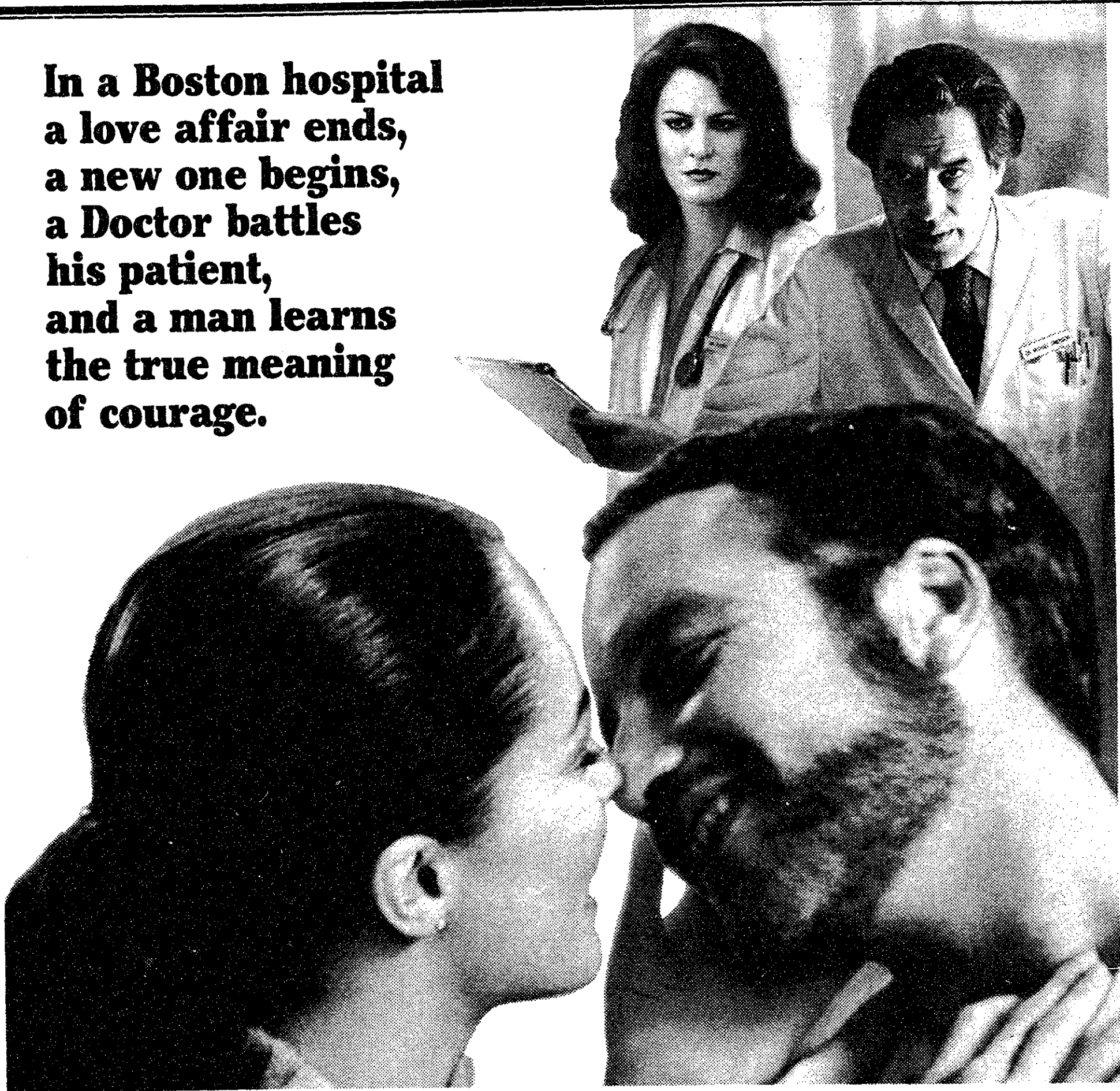
Alekseyeva, who did not speak at the symposium, was recently allowed to emigrate from Russia to join her husband, Sakharov's stepson. The Soviet government

reversed its denial of her exit visa following a much-publicized hunger strike by Sakharov and his wife. In a letter quoted at the conference, Sakharov accused the Soviet government of "hostage-taking" in an attempt to pressure him.

notes

Notice to all Graduate Research Assistants and Teaching Assistants: The Bursar's Office has revised the payroll deduction schedule of term charges, effective this month. Starting with the January 1982 paycheck, the office will be taking a deduction of 1/9 of the total term charges, and a uniform deduction of 2/9 will be taken in February, March, April, and May. Students with any questions or problems should contact their account representative.

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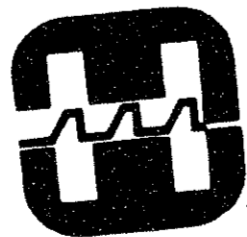
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Reagan wants more economic reforms

(Continued from page 1)

program in place completely different from the artificial quick fixes of the past." Reagan forecasted, "in the near future, the state of the union and economy will be better."

Before shifting to his proposals to revive federalism, the constitutional separation of the functions of local and national government, Reagan predicted that "history will remember this as an era of American renewal, remember this Administration as an Administration of change, and remember this Congress as a Congress of destiny."

The transfer of entitlement programs should "strengthen discretion and flexibility in state and local government," said the President. Reagan also announced that, "hand in hand with this program," he would propose legislation to set up an experimental program of urban enterprise zones. Solow said the scheme to develop depressed urban areas is "not a bad idea at all, but amounts to small potatoes."

Reagan chose not to increase taxes to attempt to offset potential budget deficits of as much as \$100 billion. He told the Congressmen, "I won't ask you to balance the budget on the backs of the American taxpayer." Reducing waste and fraud in aid programs will allow budget cuts of \$63 billion over four years, he claimed.

The cuts, he added, will only affect non-essential government spending. Ridiculing the contention that three-quarters of the Federal budget is fixed, Reagan said "the time has come to control the uncontrollable."

Throughout his speech Reagan reasserted his previous commitment to a "reliable safety net of

social programs" for the poor and elderly. Both Solow and Burnham disputed the President's sincerity, with Burnham contending that "making the poor poorer is basic to Reagan's strategy." Solow concluded, "the truest thing Reagan said was that he was not going to turn his back on the poor and elderly — he's going to stare them right in the face as he does them in."

The President touched on several foreign policy issues at the end of the speech, promising to address the subject in more detail in the near future. He contended that his Administration had "strengthened the country's position as a force for peace and progress in the world."

Reagan reiterated his position that the United States can only negotiate with the Soviet Union

from a position of strength and so must rebuild its defenses. The President endorsed a foreign policy "rooted in realism, not naivete or self-delusion."

Burnham predicted the President will have a difficult time getting the House of Representatives to accept his proposals for turning the programs over to the states. "There is nothing like the imminent threat of an election to make politicians wonder if they're doing the right thing," Burnham explained.

Reagan ended his speech by lauding the "spirit of American heroism." He cited several individuals for their heroic acts, but reserved his highest praise for "the countless, quiet, everyday heroes" of American life.

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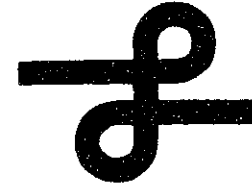
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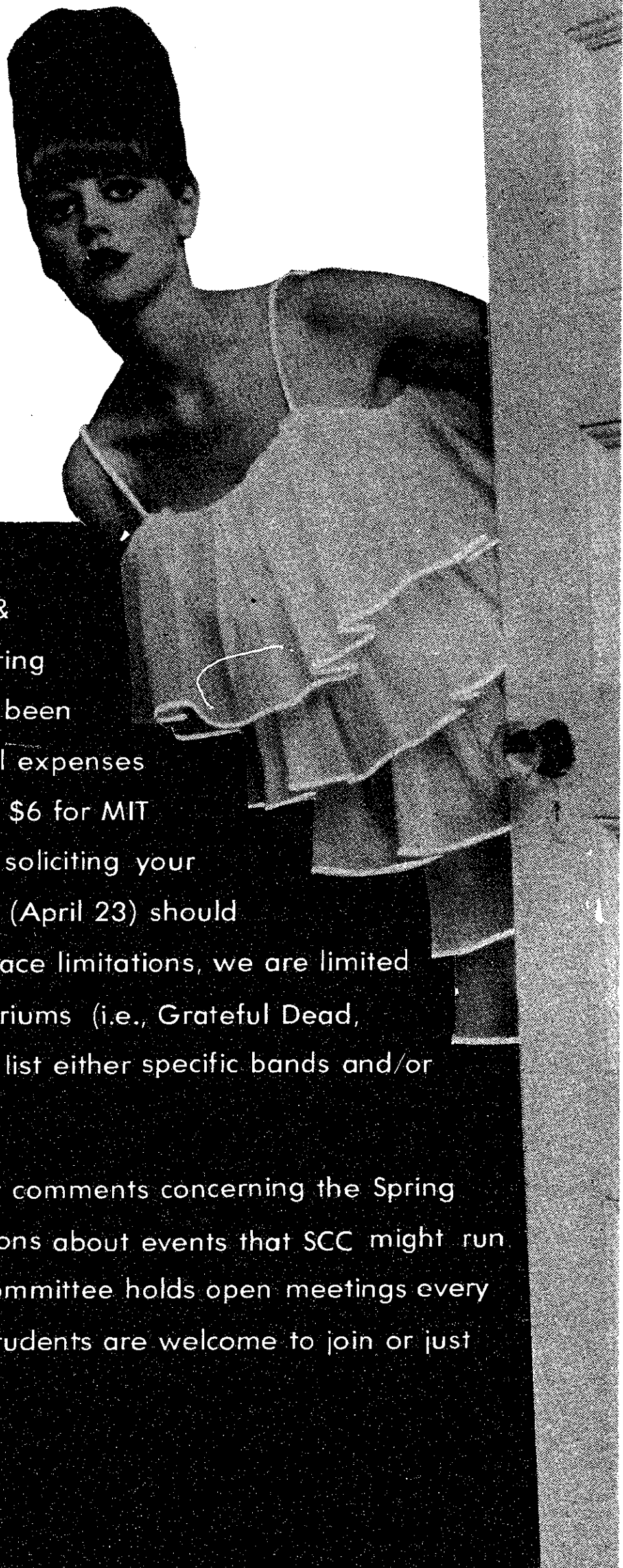
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Below is a form on which you may provide your suggestions or comments concerning the Spring Weekend event. In addition, should you like to make suggestions about events that SCC might run in the future, feel free to include them. The Student Center Committee holds open meetings every Sunday night at 7pm in Room 400 of the Student Center; all students are welcome to join or just offer their suggestions at these meetings.



Let's hear it!

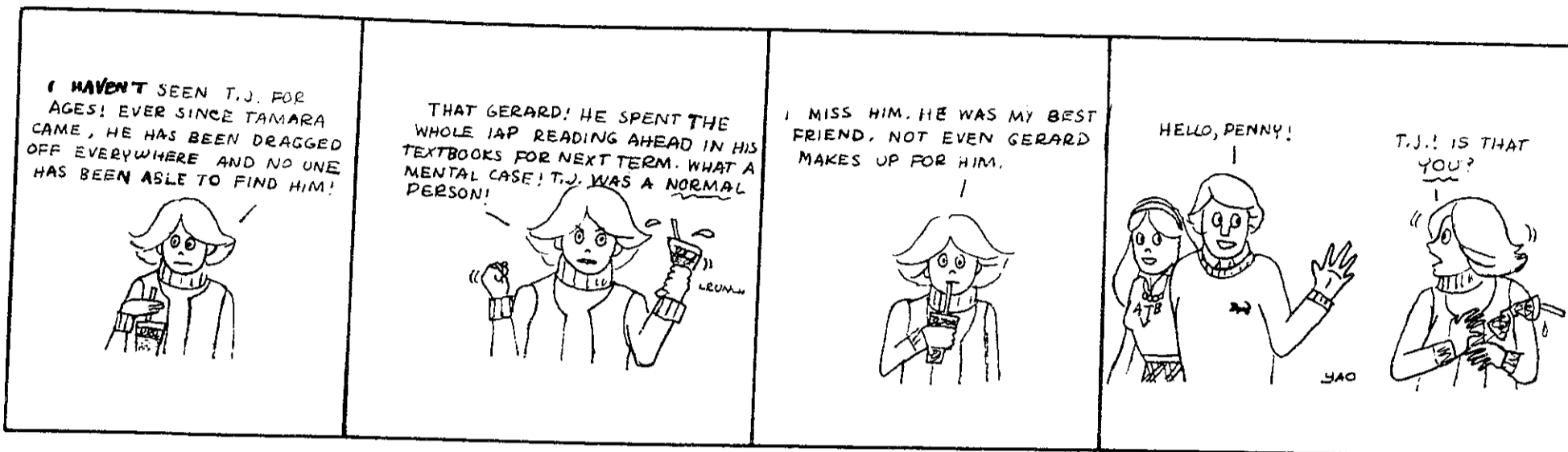


<p>band choices</p> <p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p>5. _____</p>	<p>type of music</p> <p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p>5. _____</p>	<p>living group _____</p> <p>year 1 2 3 4 G</p> <p>Would you attend the B-52 concert? y n</p> <p>other comments _____</p> <p>_____</p> <p>_____</p>
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comics

Space Epic
By Bill Spitzak



Room 001
By Carol Yao

Stickles
By Geoff Baskir



UA News

HELLO!!

The UA News appears regularly in the campus media. The Undergraduate Association uses it as a way of communicating important issues to the student body. Many opportunities for involvement and formal meeting notices will be posted in the UA Office, Room 401 of the Student Center.

Space is available to campus organizations for announcements. All submissions should be sent to the UA News Editor on the Friday prior to the issue in which the announcement is to appear. Deliver all items to the UA Office, Room 401 of the Student Center.



EQUAL RIGHTS AMENDMENT

The MIT ERA Action Team is organizing a Dance Marathon. Proceeds will be used to support ratification of the ERA. If you or your organization is interested in becoming involved in this project, please contact Joyce at 625-3505.

UA ELECTIONS PETITIONS AVAILABLE

UA Election petitions are available in the UA office (W20-401) beginning Tuesday, February 2. Elections will be held in March for UAP/UAVP and Class Officers (President, Vice-President, Secretary, Treasurer & two Executive Members) for '82, '83, '84, & '85. For more information, call the UA at x3-2696.

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The UA has many projects in the works. Please call or stop by if you have any ideas or would like to help. If you have any comments or suggestions please contact Jon DeRubuis (UAP), Ken Dumas (UAVP), Joyce Pollock (Secretary General) or Bob Wallace (Special Projects Director). The UA Office is located on the 4th floor of the Student Center, Room W20-401. Telephone x3-2696.

sports

Men's gymnastics undefeated

By Rich Auchus

The men's gymnastics team is off to its best start in years, posting a perfect 4-0 record against some of the top teams in New England. After defeating Harvard (153.55-72.15) and Northeastern (153.5-105.55) in December, the Engineers have registered close victories over Dartmouth (183.55-177.25) and Yale (164.85-136.95).

Two Saturdays ago in Hanover, Bill Maimone '84 and Steve Segarra '84 led off with scores of 7.5 and 7.4, respectively, in floor exercises. Freshman Barry McQuain's winning score of 7.85 on the pommel horse was not enough to overcome Dartmouth's strong performance in the rings, and MIT trailed 87-84 at the halfway point.

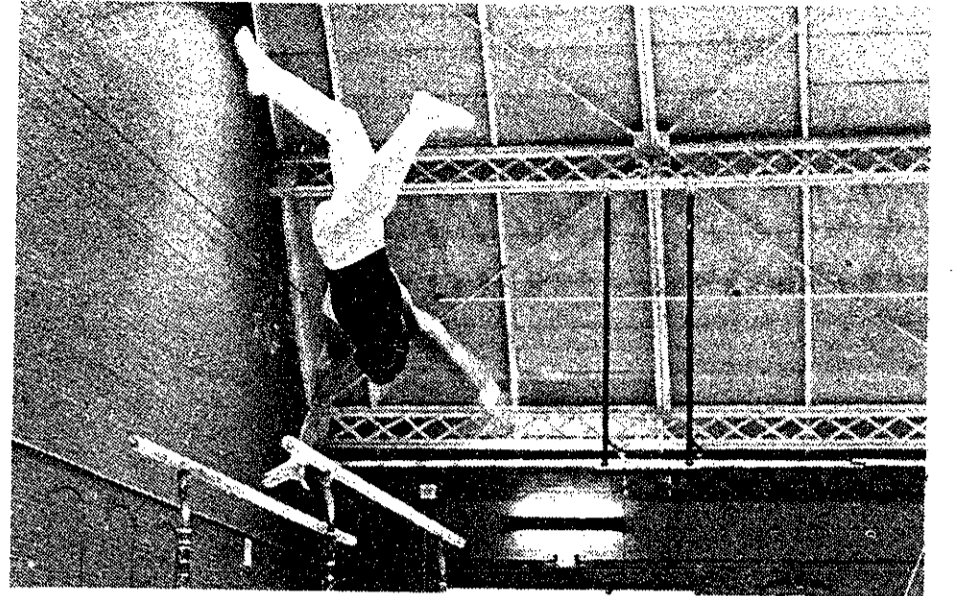
Dave Roberts '85 kept MIT in contention with a near-perfect full-twisting handspring vault which scored 8.9 points. It was not until the final event, the high bar, that MIT broke into the lead on the fine performances of Jiro Nakauchi '83 and co-captain Mark McQuain '82. The victory was MIT's first over the Big Green in four years.

This Saturday, MIT led Yale from the start as Nakauchi and Segarra earned scores of 7.7 and 7.3, respectively, in floor exercises. Barry McQuain and Jack McCrae '84 delivered excellent

performances in the pommel horse and placed first and second with scores of 7.45 and 7.25, respectively, in that event. Roberts again took first with a superb vault, a 9.0-point effort that edged teammate Mark McQuain's 8.7.

Co-captain Thai Trinh '82 delivered a clutch 7.2 routing on the parallel bars, good for second place. Barry McQuain iced the victory as he captured first place in the high bar with a score of 7.5. Nakauchi placed second in all-around competition with a total of 41.10.

Coach Bob Horwitz noted that the team was "getting more consistent and better with each meet." The team score against Yale, for example, was a substantial improvement over the Dartmouth meet because one less man was scored in each of the six events. Horowitz cited the importance of their strength in the high bar — the last event in each meet — which enables the Engineers to finish strong as they did in defeating Dartmouth. The team will attempt to extend their winning streak this Saturday at the Coast Guard Academy.



The MIT Men's Gymnastics team defeated Yale 164.85-136.95 in DuPont last Saturday. (Photo by Gerard Weatherby)

Track victorious, now 7-0

By Eric R. Fleming

The indoor track team, last year's New England Division III champions, is well on its way to defending that crown. Coach Gordon Kelly's squad now stands at 7-0 following a tri-meet win over Colby and Coast Guard. The undefeated start is MIT's best in history.

As in all the Tech wins, balance was the story, as the host Engineers won 10 out of the 16 events held. All-American Paul Neves '83 led the way with a double win in the 500 and 1,000 meters, the 500-meter time of 1:06.35 setting a new Athletic

Center and school record. Martin Taylor '83 also set new Center and school records in the triple jump, soaring 48 feet, five inches. Other winners included Jeff Lukas '82 in the 800 meters, Joe Presing (55-meter hurdles), Dave Kieda '82 (32-pound weight), and Dave McMullen '83 (400 meters).

In addition to the perfect record, MIT has a number of performers who own several of the best efforts in New England collegiate track this season. Neves' time of 2:29.90 in the 1,000 is the best in the region; Bob Walmseley '83, Taylor, and the 3,200-meter relay team are also in the top five

in their respective events. This becomes more impressive when one notices that Division I schools such as Boston University, Harvard, and Northeastern dominate the top spots.

With three weeks to go before

the New England Division III Championships (which will be held here February 20), the team appears just about ready to defend its title. Next on the schedule is a tri-meet at Tufts (with Bentley, a Division II school) Friday night.

on deck

February 2	February 3	February 4	February 5	February 6	February 7	February 8
Basketball vs. Nichols . . . 7:30pm	Basketball vs. Suffolk . . . 7:15pm	Fencing at Trinity 7pm	Track - GBC at Harvard 5:30pm	Basketball vs. St. Francis . . 2pm	Fencing vs. St. Johns 1pm	Basketball at Gordon 8pm
Basketball at Anna Marie 7:30pm	Fencing at Concord-Carlisle 7pm	Squash vs. Tufts 4pm	Basketball - Tufts Tournament	Fencing at Harvard 1pm	Rifle - MIT Monthly Open & Air 9am	Gymnastics at Lowell 7pm
Squash at Yale 7pm	Rifle vs. Tabor Academy . . 4pm	Track - GBC at Harvard . . 2pm	Skiing Johnson at Stowe, VT:	Gymnastics vs. Vermont . . . 2pm	Squash vs. Bates 2pm	Squash at Harvard 4pm
Swimming vs. BU 7pm	Swimming - GBC at Harvard	Wrestling vs. WPI 7pm	Bowdoin at Sugarloaf, ME	Gymnastics at Rhode Island College	Track - GBC at Harvard . . 12pm	Swimming vs. Wellesley . . 7pm
	Wrestling vs. BU 7pm			Hockey vs. St. Michaels . . . 2pm	Wrestling vs. Boston State & Amherst 2pm	

sports update

Basketball — The men's squad rebounded last week with a pair of last-second victories. Tuesday, MIT upset highly-regarded Bowdoin 52-50, on guard Mark Branch's layup with six seconds remaining. The winning hoop came after Tech held the ball for a minute and a half. Thursday, Wesleyan whipped MIT 76-54 at Wesleyan, the only bright spot being Lane Wilson's 21 points and 11 rebounds. Coast Guard came to Rockwell Cage Saturday, and MIT held on for a 46-44 victory, with Branch again supplying the heroics, a bucket with just two seconds left. MIT at times led by 12 in this game. Curry and Amherst are the foes on the road this week.

The women dropped a 56-47 decision to Mt. Holyoke last week, with Saturday's game at WPI canceled due to the storm. Boston State visits Saturday at 1pm.

Swimming — The snowstorm canceled the men's and women's matches last Saturday. Wednesday, both teams lost to the Jumbos of Tufts at Medford. Despite the pair of losses, two Tech swimmers qualified for national Division III championships, setting records in the process. Andrew Renshaw '84 set a Tufts facility and MIT record with a 1:58.48 effort in the 200-yard butterfly, while Karen

Klincewicz '82 broke two Tufts pool records in the 200 butterfly (2:16.09) and 400-yard individual medley (4:49.30). According to coach John Benedick, the team has had a good month of prac-

tices, despite not making the traditional trip to Florida, and are ready for the balance of the season. The women face Salem State tonight (7pm) in Alumni Pool.



MIT Center Lane Wilson puts up a jumper in the Engineers' 52-50 win vs. Bowdoin. (Photo By Ray Henry)

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