

Council to ask rise of \$1000-1300 in tuition

By Kenneth Snow

The tuition for the 1982-83 academic year will probably be between \$8400 and \$8700. The Academic Council has decided to recommend a number within this range to the MIT Corporation for consideration at its March 4 Executive Committee Meeting.

Undergraduate Association President [UAP] John DeRubeis '83 commented, "The Institute is hurting financially. They can either raise tuition or lower overhead and I don't think that they have made an effort to lower overhead." Although he did not vote, DeRubeis was present at the meeting. The Council had invited the UAP to all of the Council's discussions on tuition, the first time a student has ever been allowed to be present at Academic Council meetings.

In the past the tuition increase was set at the end of January and the rest of the financial package, including room, board, and the equity level, determined later in the year. This year, the Academic Council will postpone the tuition decision and announce the entire financial packet at one time. According to Dean for Student Affairs Shirley McBay, "It makes

sense to make this announcement at one time rather than in bits and pieces."

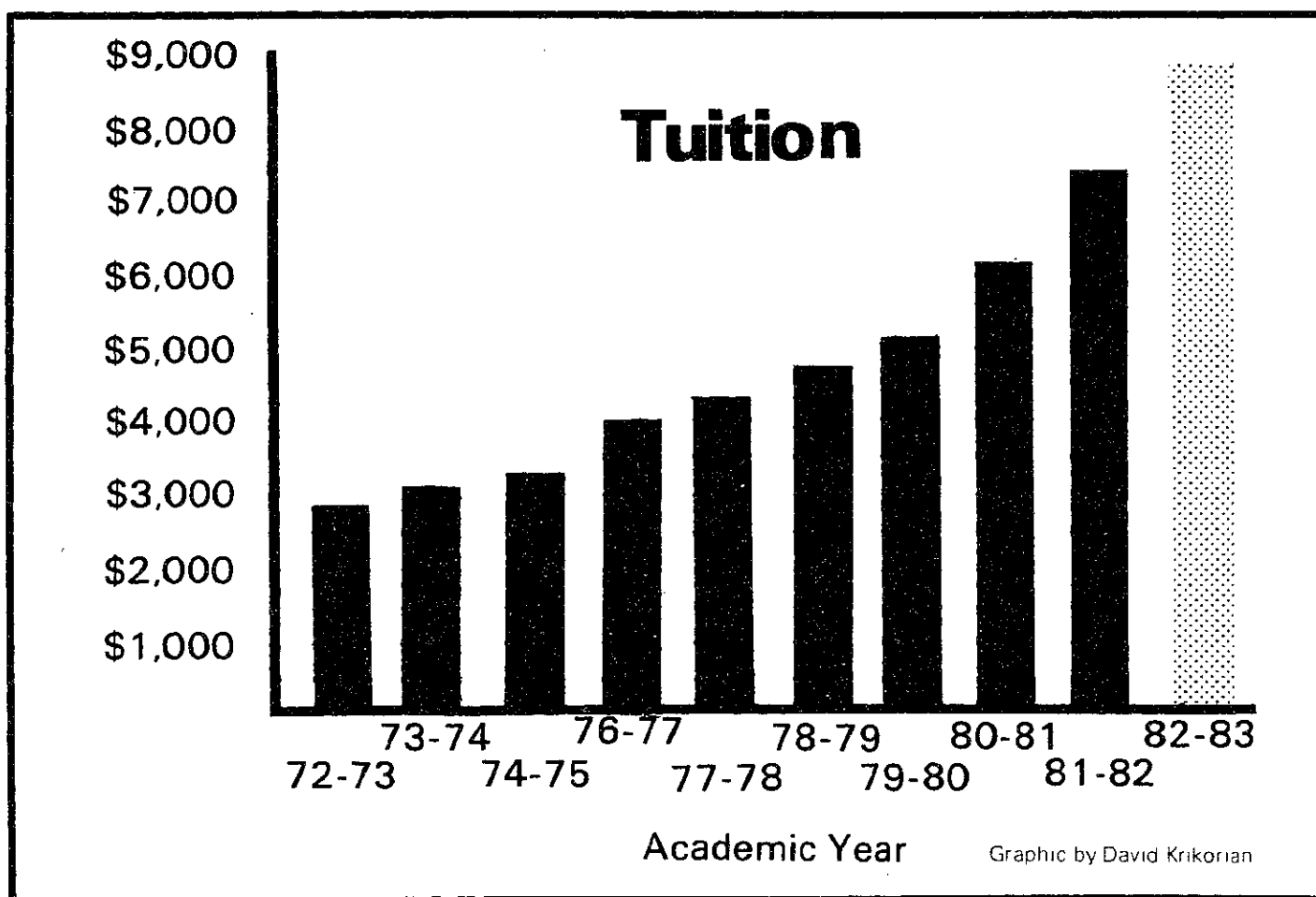
McBay explained, "As always, there is a concern for what kind of an impact the tuition increase will have on the student body." McBay noted that approximately 50 percent of MIT's undergraduates are on some form of financial aid.

McBay called the tuition forum held December 10 very valuable, but added that the turnout was disappointing. Less than 30 students attended the forum, held the Thursday before final examination week.

"Apparently the timing of the forum was not good," said McBay. "It could possibly have had more impact if more students had attended." McBay noted that the students who were present "asked some very good questions. If the [forum attendance] number had been more impressive, it would have shown a real interest among the students."

McBay said that she still felt that the tuition forum was a good idea and would like to see one next year. "This year, we were

(Please turn to page 2)



Med Dept move causes shuffle

By Richard Salz

The Medical Department's move to the new Whitaker Buildings at the east end of campus, coupled with newly-announced construction plans, has sparked a series of shuffles

among MIT facilities and departments.

One of the plans is the construction of an arts and media center at 25 Ames Street. The new facility will be a focal point for research and teaching in the arts, and advanced computer applications in the field. Another construction plan would result in the installation of a very-large-scale integrated circuit fabrication facility in Building 39.

The medical department is in the process of vacating its facilities in Buildings 11, 12, and W5. As a result, a number of groups within the Institute have requested portions of the soon-to-be-freed space.

The Infirmary, Building W5, will be used for graduate women's housing. "We considered using the building for a fraternity," said Associate Dean for Residence Programs Robert Sherwood.

"But we rejected it in view of the greater need for women graduate student housing."

"We haven't figured out yet how to pay for it," noted Vice President of Operations William Dickson. The building will probably remain empty until the necessary funds can be raised. "It's unlikely that we'll be ready for September of 1982," conceded Sherwood.

No final plans have yet been made for the other two buildings. Dickson said he expects to have a final plan by the end of the academic year, with all new tenants settled within a year. Consequently, a number of areas previously used by the Medical Department could be vacant for as long as a year.

Since MIT will probably go ahead with the VLSI plans for

(Please turn to page 8)

SCC finances discussed

By Max Hailperin

The Student Center and the Student Center Committee (SCC) were the topic of discussion at a luncheon sponsored by the Office of the Dean of Student Affairs Monday.

Steven F. Thomas '81, Chairman of the SCC, summarized SCC-sponsored activities, services it provides, membership requirements, and its financial status. Members of the SCC, the Dean's office, and other student activities discussed SCC funding of activities outside the Student Center.

In financial matters, Thomas said that a \$30,000 endowment was started from accumulated 24-hour coffeehouse revenues. The interest from the endowment will be used to refurbish the Student Center.

Thomas cited live band parties, the Mezz Coffeehouse, Friday

Afternoon Club activities, the midnight movie series, and Spring Weekend events as the SCC's main events during the past year. In addition, he listed the 24-hour coffeehouse, ping-pong tables, the television lounge, and the pinball and video game-room as the major ongoing services.

Other participants, including Dean for Student Affairs Shirley M. MacBay, questioned why the budgetary surpluses were not used to improve the conditions of the student facilities in Walker Memorial. Several participants pointed out that the SCC provides lounge furniture and other benefits only to activities located in the Student Center; therefore, these activities have an advantage over those activities not located in the student center.

Thomas said in a later interview that the SCC had not yet

decided to what extent it should take responsibility for Walker. Speaking personally, he said, "Walker is pretty dead. We should probably do something about that." He expressed his belief, however, that there should be a committee responsible for Walker similar in structure to the SCC. Thomas expressed his hope that the SCC will support such a group by providing initial funding and sharing some of the skills the SCC has developed.

New draft registration policy protested

By Stephanie Pollack

Draft registration opponents have questioned President Ronald Reagan's decision to continue indefinitely the program, contesting both his reasons for the action and the government's ability to enforce it.

Reagan's announcement last Thursday reversed his campaign position and his administration's previous policy. The estimated 800,000 young men who failed to register now have a 30- to 60-day grace period in which to sign up. Presidential counselor Edwin Meese 3d said that the Justice Department would have to prosecute those who failed to register after this time.

Meese also asserted that the major consideration in the decision was a discovery by a special Presidential commission that registration could speed mobilization by six weeks. The commission, headed by Secretary of Defense Caspar Weinberger, was named during the summer and made its recommendation early last week.

Meese repeatedly denied that the President's decision was related to the Polish crisis, but Administration officials said

privately that the abolition of registration now would send the wrong signal to Moscow. Elizabeth Stevens of the Anti-War Organizing League, however, contended that registration is designed to lead to a draft to raise a standing army "useful only for confrontation in third-world countries."

The main idea of registration, claimed Will Doherty '84 of MIT Students Against Registration and the Draft, "is to keep corporate interests, military interests and the interests of the elite rich class happy by protecting US interests in foreign lands."

Critics of the decision also disputed the Administration's position that non-registrants would be prosecuted. David Landau of the American Civil Liberties Union

predicted that "millions of dollars will have to be wasted in a vain attempt to enforce this law." Doherty noted that Reagan had created "over a million young felons in a single decision." He also claimed that federal courts and prisons are not capable of handling the huge number of men failing to register.

Dr. Louis Menand 3d, Special Assistant to the Provost, said that "students are subject to the pains and penalties of citizenship" and added that MIT "would not go out of [its] way to intervene" if an Institute student were prosecuted for failure to register. He emphasized that MIT's policy on information requests about students was to release only that information appearing in the student directory.



SCC Chairman Steven F. Thomas '81 explained services provided by the SCC at Monday's ODSA luncheon. (Photo by Gerard Weatherby)

inside

US officials call for selected restrictions of the foreign exchange of scientific research. **Page 2.**

The Arts staff gets its annual chance to pontificate, and doesn't let the chance go by unnoticed. **Page 6.**



MIT President Paul E. Gray '54, "satisfied [with] the intentions" of his open office hours, says he plans to continue them starting January 26. (Photo by Gerard Weatherby)

Gray's open office hours to continue

Barry S. Surman

President Paul E. Gray '54, said that he will continue his open biweekly office hours because they have "satisfied the intentions I had for them."

Approximately 80% of those utilizing the open office hours have been students, according to Gray. Faculty and staff have also taken advantage of the office hours, he added.

"The largest group," Gray said, "... asks about something [ranging] from dining policy to graduate student stipends, admissions practice, or retirement pension policies." He continued, "Some individuals have come with a specific grievance... [and] the third group of folks... just wanted to get acquainted."

"There's been no issue or concern or question that really bowled me over... [but] the perspectives that I've gained have been valuable," said Gray. He cited concerns raised over the Hillel Kosher Kitchen, the needs of vegetarians on campus, and the use of Walker Memorial as examples.

Gray said the format and frequency of open office hours has worked well. "Typically," he said, "there were open slots until early afternoon for office hours starting at 4pm." He noted that "all the

available time was taken," with the exception of the session just before final exams and the session during the first week of IAP.

"It is a very low-barrier opportunity for access to the president..." said Gray, "available to anyone in the community." Gray's next open office hours will be Tuesday, January 26, from 4 to 6pm.

Technological leaks assailed

By Tony Zamparutti

High officials in the Reagan administration have publically called for restrictions on unclassified scientific research that could be used by foreign governments.

Frank D. Carlucci, Deputy Secretary of Defense, said in a letter to the American Association for the Advancement of Science (AAAS) that "the Soviets exploit scientific exchanges as well as a variety of other means in a highly orchestrated, centrally directed effort aimed at gathering the technical information required to enhance their military posture." Frank Press, President of the National Academy of Sciences, claimed that exchanges with the Soviet Union were of mutual benefit. "The big leakage is in the trade journals and the open literature and we're not going to stop that. It's the price we pay for a free society," noted Press.

Admiral Bobby R. Inman, Deputy Director of the CIA, suggested in a speech at the annual meeting of the AAAS that scientists allow security agencies to review their research plans before they begin work and their results prior to publication.

Inman said there would be a "tidal wave" of public outrage

and proposed legislation when this "hemorrhage of the country's technology" became known. In 1977, when Inman was director of the National Security Agency (NSA), that agency tried to stop publication of computer cryptography papers written by MIT researchers. MIT resolved the controversy by agreeing to send the NSA cryptography papers at the same time they are sent to fellow researchers at other colleges.

Louis Menand 3rd, Special Assistant to the Provost, declared "I'm opposed to any interference with the right of academics to publish."

He added, "I'm unimpressed with the evidence to support Admiral Inman's assertions, nor do I think it's appropriate to single out the universities; we are not multinational corporations."

Inman claimed that it was "thoroughly documented" that in the buildup of the Soviet military "the bulk of new technology which they have employed has been acquired from the United States."

He said "a potential balance between national security and science may lie in an agreement to include in the peer review process, prior to the start of research and

prior to publication, the question of potential harm to the nation."

The fields that should be reviewed, Inman declared, included "computer hardware and software, other electronic gear and techniques, lasers, crop projections and manufacturing procedures." The government noted that Inman's and Carlucci's comments were their own opinions, not official policy.

Tuition may be up \$1300; forum poorly attended

(Continued from page 1)

working under the assumption that the Academic Council would be making the decision at the end of January." Because of this deadline, the forum had to be held in December. "If there is interest, we could have another forum next year at a more opportune time," McBay concluded.

John A. Currie, Director of Finance, noted, "Tuition, housing, dining expenses, gifts and government money all enter into the decision-making process. The only income that we control directly is tuition."

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On Campus Interviews

Wednesday, February 3

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news roundup

World

Tortuga taken by Haitian exiles — A Miami filling station owner led a group of 300 Haitian exiles to invade and conquer the small island off the coast of Haiti. The group wishes to overthrow President Claude Duvalier, who is reported to be very ill.

Nation

Pooches perish at canine college — 37 dogs were killed as an early morning blaze struck the Canine College in Redding, Conn. Wire dog runs prevented firemen from rescuing the animals from the obedience school.

Paul Lynde dies — Paul Lynde, a regular on the television game show "The Hollywood Squares", died Saturday, possibly of a stroke. The 55-year-old stage-film actor starred in "The Paul Lynde Show" on television and made appearances on most variety and talk programs.

Florida citrus crops in trouble — Florida citrus crops are very extensively damaged because of freezing weather, reported Mark Belcher of the Florida Citrus Mutual. Although only 12 percent of Florida's projected orange crop has been harvested, Belcher predicted that if the flash-frozen oranges on the trees are picked fast enough, they can be turned into orange juice.

State

King talks of tax reduction — The repeal of the 7.5 percent surtax imposed on Massachusetts income taxes since 1975 was proposed by Governor Edward J. King in his State of the State Speech last night. He also endorsed a proposal to place a limit on local and state taxes.

Local

Dentist's ex-wife gets \$120,000 pay share — A husband's professional license is a marital asset and a wife is entitled to a share in its future value, ruled a Hampden County judge. As a result of this ruling, Marianne Reen of Springfield will receive \$120,000, a share of the estimated value of her husband's dentist license, as part of her divorce settlement. The first of its kind in Massachusetts, the ruling will be appealed by her ex-husband's attorney within 30 days.

Boston feels aftershock of earthquake — Boston felt a large aftershock 4:42pm Monday measuring 5.4 on the Richter scale from the earthquake that struck last Saturday. MIT professor of geophysics Nafi Tokosz said the aftershock was the largest of about 80 that occurred since Saturday. He added that the recording of an aftershock in this area is an unusual occurrence and there might be smaller aftershocks continuing for days or weeks.

Laura Farhie

Weather

A major winter storm will track up the mid-Atlantic coast today with the potential to drop nearly a foot of snow in the Boston area should the system take a path closer to shore. Light snow should begin this evening, becoming heavier overnight. Daytime temperatures will be in the 20's with increasing easterly winds. Snow will continue much of the day tomorrow, ending after probable accumulations of 3-6 inches. Turning colder Thursday with highs in the mid 20's with gusty winds. Lows Thursday night near 15.

James Franklin

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opinion

Stephanie Pollack

Advice and consent

Complaining is one of the most popular extracurricular activities at MIT. Students contend that the level of financial aid is inadequate, the bureaucracy is out to screw everyone, the professors can't teach, and the TA's can't speak English. Such criticisms are rarely accompanied by constructive suggestions for improvement, however. The average MIT student might be able to reply if Paul Gray were to appear at his door and ask "What is the single most important flaw in the current system of education at MIT?" Almost all would be hard-pressed to give him suggestions on dealing with the problem.

After three and a half years at the Institute, my choice for the worst flaw is obvious: the advising system. The best curriculum MIT can develop is useless unless students understand it well enough to take advantage of it. The current advising system is frequently unused, hopelessly disjointed, and poorly supervised. To most students, an advisor is simply a person who signs registration material and drop cards.

These inadequacies would be less damaging if students had access to other information sources. Unfortunately, the alternatives are equally incomplete. When not outdated, catalogue course summaries are hopelessly vague. Although a noble attempt, the recent course evaluation guide is little more than an abbreviated booklet on some freshmen courses. While sometimes helpful, advice from upperclassmen frequently perpetuates such conventional wisdoms as "Don't worry — you're only on pass/fail."

I have never had a terrible advisor at MIT, but neither have I received particularly valuable advice from any of them. Not that I asked for guidance — I am rather pig-headed and tend to do as I please, filling out the appropriate forms and forging ahead. I now wish someone had stopped me, forced me to listen, and made some suggestions. I have taken classes in the wrong order with disastrous results, and completely wasted my time in boring lectures only to find out later that an alternative course would have been far more useful. I now realize that my education is lacking in several areas and wonder how many other gaps I will discover if I ever try to apply anything I learned here.

Flaws in the advisory system have been mentioned and studied before but, aside from administrative re-organizations, little has been done. Improvements must be made soon, especially since the current curriculum review is likely to result in significant changes in Institute requirements. Alterations must both improve quality of departmental and freshman advisors and provide viable alternatives for students wishing to acquire information about courses.

A number of outstanding advisors mar the otherwise discouraging record of the current program. The advisors who are popular and praiseworthy are those who want to be advisors and are willing to spend the time to do their job correctly. People should not become advisors just because they think it may help them get tenure. One way to weed out such people is to require anyone wishing to be an advisor to attend a series of seminars on Institute and departmental requirements and other appropriate subjects. Regular attendance would at least indicate that the person was committed to the job.

Many departments have students evaluate professors at the end of the term; advisors should be subject to a similar review. Those with poor ratings would be given the option of additional training or retirement; those with high marks could be asked to provide the training. Running these evaluations through the Undergraduate Academic Support Office, rather than the departments, would insure fairness and uniformity.

Finally, MIT should develop other information sources for students. The data currently collected by departments could be assembled into a useful curriculum guide. The placement office could consolidate information on course requirements for graduate schools and gather information from alumni on the relative value of courses for jobs and graduate school. Upperclassmen could serve as departmental associate advisors, rather than assigned to work with individual professors.

The Institute is rightfully proud of the quality and variety of its course offerings, and advisors must serve as the students' guide to this curriculum. The present unsupervised system of untrained advisors will never prove adequate to this task.



Richard Salz

Boston 3, New York 2

Like most MIT students, I come from what local television advertisements refer to as the "greater New York Metropolitan area." I've noticed that many of us greater-New-York-Metropolitan-area folk like to put down Boston at the expense of the City, which is how we refer to New York City.

In an effort to determine the truth behind the folklore, I compared The City and The Town, rating them in a number of areas.

Subways: New York's subways run all night. Boston's close a half-hour before you're ready to go home. At first glance, an easy win for New York. However,

while it's possible to ride a New York subway at 4am I'm not sure I'd want to do so. I'd call it a tie, then, but give the edge to The City: much better graffiti.

Combat Zones: Give New York greater credit for creativity, but give Boston the round for greater conviviality. Besides, it's closer to the Chinese food.

Pedestrians and bicyclists: As any driver can tell you, one pedestrian is too many. New York pedestrians spill into the street because there's so damn many of them. Boston pedestrians flow out into traffic because they're students, and convinced that since the world revolves

around them, the cars will get out of the way. A half-point to New York, for Boston's obnoxiousness.

Have you ever been whistled out of the way by a bicycle rider? (A police whistle, I mean.) I've almost been run down while crossing the Harvard Bridge, but at least I've never had a bicycle rider use a rape whistle to justify swerving out in front of me. For New York's obnoxiousness, a half-point to Boston. Call this round a tie.

Entertainment: New York has Broadway, off-Broadway, off-off-Broadway, and So-ho. New York has the Metropolitan Museum of Art, the Museum of Modern Art, the Guggenheim, and the Cooper-Hewitt. New York has premiere movie houses. Boston has the MFA, the BSO, and LSC movies. A clear win for Boston.

Education: Boston has MIT, BU, Tufts, Simmons, BC, and countless others. New York has NYU, Columbia, Parsons, and countless others. Too close to call, perhaps, but... Boston has Harvard. A clear win for New York.

Media: New York has the Times, the Wall Street Journal, the Daily News, and Village Voice. Boston has the Globe, the Herald, the Phoenix and The Tech. A clear win for Bean-town.

The final tally? Boston 3-2 over New York. Eat your heart out, greater-New-York-metropolitan-area folk.

→ feedback

Writing class should not be required

To the Editor:

Amy Axelrod argued in favor of a writing requirement at MIT (Tuesday, Dec. 1), expressing the view that "Every student at MIT should take a writing course." Probably most of the opposition to the proposed requirement centers on that word "SHOULD." Few would dispute the importance of written communication skills. Certainly many students would benefit from some

type of writing course. But should all entering students, including those confident in their writing ability, be required to take such a course?

The proposed writing requirement may be satisfied by receiving high scores on the English Achievement Exam or the English Advanced Placement Exam, or by submitting a ten-page paper for evaluation. Ms. Axelrod asks if

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opinion

feedback

An ode to Andy

To the Editor:

A Christmas thought:
Ode to Andy

Difficult as it is to find a true gentle spirit in this den of hardened cynics and technocratic desperadoes, one need hardly look past the front door to sight the genuine article. Rocking from side to side, his face occasionally obscured in the steam that escapes from his metal pulpit, Andy preaches a sermon of simple goodness from his hot dog stand on Mass Ave.

As the phalanxes of young capitalists march by, the Institute drawing them in for still another caress of their frightening egos, Andy beckons, provoking a moment of hesitation in the impatient routines of deified careers. The weather is frigid, yet

the glib elitism all seems to melt away in the long lines that form beside that stand. Smiles crease faces normally set in a grimace of determined greediness. Laughter tinkling out from the nearest disciples makes its way through the rest of the line like Tinkerbell's magic dust, enchanting the entire group with a kind of general good will. Even the most soulless of 20th century automatons cannot refuse the call.

The sign in front says "Some of the Smartest People in the World Eat Here." Ironic, isn't it, that all those smart people so badly need tutoring from the man behind the sign? But luckily, Andy conducts classes every day — for the price of a chili dog with cheese.

Bob Geiger G

Force won't bring improved writing

(Continued from page 4)

this system is too lenient. Yes and no. Yes, the English Achievement tests only grammar; but the ability to structure a sentence is certainly a good indication of a student's writing background. Can a student develop strong grammar skills without having had a good deal of practice writing? For those who disagree, perhaps requiring a high score on the College Board English Achievement Exam with *Composition*, given every December, would more convincingly reflect a student's writing skills.

If students could too easily have someone proofread their ten-page papers, or, worse, could copy someone else's, perhaps this part of the proposal should be abandoned. Couldn't MIT instead administer its own English composition exam after Rush Week, with the Advanced

Standing Exams? Many other colleges use this method.

A high score on the English Advanced Placement Exam guarantees that the student can write adequately. This requirement, along with the other two in the proposal, allows any student not needing an expository writing course to satisfy the writing requirement.

Yes, every student *should* take a course that gives practice writing. However, *requiring* incoming students to use valuable elective time for a writing class which some may not need could prove futile. I can envision a class of unwilling freshmen taking the course "to get it out of the way" on Pass/Fail, receiving no benefit from it. Every effort should be made to encourage writing improvement; but I doubt "force" will work.

Anita Wahi '84

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

Columns are usually written by members of *The Tech* staff and represent the opinion of the author only, 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 will attempt to publish all letters received, and will consider columns or stories. All submissions should be typed, preferably triple spaced, on a 57-character line. Unsigned letters will not be printed. Authors' names will be withheld upon request.

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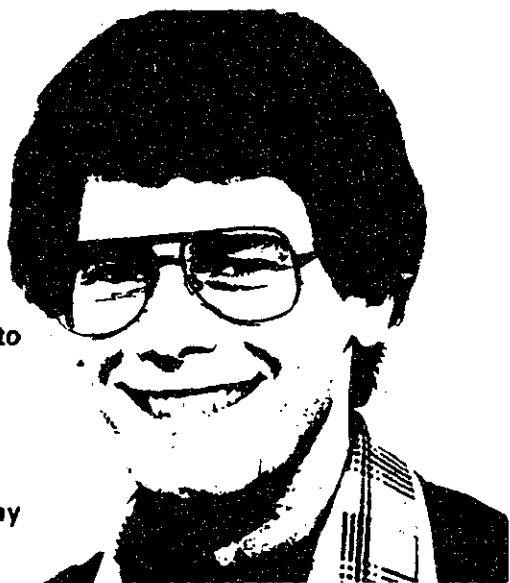
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The Best of '81

Once a year, the august critics of the Arts section get to express their opinions without having to justify them. The following lists represent the top ten albums of the year as chosen by each critic, plus a best single. Rather than dismiss this compilation as a gratuitous ego exercise, find a critic with whom you agree with (at least in part) and let him know what a great job he's doing. We'd love to have a Jan club.

A few of these discs first appeared in 1980, but only as imports. I include them in my list because of their late-breaking impact in the States.

1. **Closer**, *Joy Division* (Factory)
Angry, anguished, brooding, brutal, and beautiful.
2. **Throbbing Gristle's Greatest Hits**, *Throbbing Gristle* (Industrial/Rough Trade)
The very best from the inventors of electronic industrial foreboding.
3. **Discipline**, *King Crimson* (EG)
The band of Robert Fripp's dreams makes the music I'd always dreamed he'd make.
4. **Boy**, *U2* (Island)
The most stunning debut since *Meet the Beatles!*
5. **Killing Joke**, *Killing Joke* (Editions EG)
A *tour de force* from the best heavy metal punk band.
6. **Trust**, *Elvis Costello* (Columbia)
Another wealth of riches; Elvis is still king.
7. **Black Sea**, *XTC* (RSO)
Quirky pop for quirky people.
8. **Sound Affects**, *The Jam* (Polydor)
All the power and rage of the early Who, plus the excitement the Who now lacks.
9. **JuJu**, *Siouxsie and the Banshees* (PVC)
Siouxsie's spellbinding voice and her most accomplished band yet make this disc an irresistible combination.
10. **The Flowers of Romance**, *Public Image Ltd.* (Warner Brothers)
Everyone loves to hate this disc, but I think John Lydon *et. al.* have once again stretched the bounds of conventional music.

* * * *

Top Single: **Signals, Calls and Marches**, *Mission of Burma* (Ace of Hearts)
Alright, I know it's an EP, but I defy you to find a better collection of singles.

David Shaw

There weren't ten records released in 1981 that I would list as "great". Here are five:

1. **Fresh Fruit for Rotting Vegetables**, *Dead Kennedys* (IRS)
Ultimate American punk.
 2. **JuJu**, *Siouxsie and the Banshees* (PVC)
Finally, another record as good as *The Scream*.
 3. **Fire of Love**, *Gun Club* (Ruby Records)
White California punks learn the Blues.
 4. **Wild Gift**, *X* (Slash)
A breath of fresh air.
 5. **Psychedelic Jungle**, *Cramps* (IRS)
Goes along with one of the best live shows of '81.
- Here are three colossal disappointments:
1. **Flowers of Romance**, *Public Image Ltd.* (Warner Brothers)
The wrong answer to the question, "What can you do after 'Metal Box?'"
 2. **Pleasant Dreams**, *Ramones* (Sire)
My heroes' final downfall.
 3. **Solid Gold**, *Gang of Four* (Warner Brothers)
Completely devoid of their former power and emotion.

* * * *

And my favorite smash single of the year:
1. **Homosapien**, *Pete Shelley* (Import)
Jon von Zelowitz

1 **What We Do Is Secret**, *The Germs* (Slash)
Churns up the unspeakable, which is all I ask.

2. **JuJu**, *Siouxsie and the Banshees* (PVC)
Another success, as piercing as ever.
3. **Damaged**, *Black Flag* (SST/Unicorn)
Raw power's gotta hold on me.
4. **A Minute to Pray, A Second to Die**, *The Flesh eaters* (Ruby Records)
Completely unexpected, completely furious, but in a compellingly controlled way.
5. **Fire of Love**, *Gun Club* (Ruby Records)
Companion to #4 — new ideas merge with old forms, forcing X off the throne.
6. **Still**, *Joy Division* (Factory)
An icy epic compilation, the very voice of despair.
7. **Tom Tom Club**, *The Tom Tom Club* (Sire)
Funk/rap/disco with an intellectual texturing.
8. **He Who Dares Wins**, *Theatre of Hate* (Burning Rome Records)
The only way I survived early 1981 — grim, bleak, but mad with transcendence.
9. **The Adolescents**, *The Adolescents* (Frontier Records)
So hard, so fast, your *body* can't keep the beat.
10. **Love at First Sight**, *Peter Dayton* (Shoobop)
Poor recording, but Dayton artfully maneuvers the line between saccharine and bittersweet pop. And why don't all bands just release EPs from now on?!

* * * *

Top Single: **Love Action/Hard Times** *The Human League* (Virgin)
Perfectly satisfies this particular need.

Sheena

1. **Rage in Eden**, *Ultravox*, (Chrysalis)
One of the best creative synth works since *Who's Next*.
2. **Fresh Fruit for Rotting Vegetables**, *Dead Kennedys* (IRS)
The first release from the granddaddy of hardcore; double time vehemence, well-done.
3. **Sound Affects**, *Jam* (Polydor)
Perfect pop from England's best.
4. **Closer**, *Joy Division* (Factory)
Beautifully haunting.
5. **Taking Liberties**, *Elvis Costello* (CBS)
A collection of gems previously unreleased in the U.S.
6. **Sandinista!**, *The Clash* (Epic)
Incredibly diverse: reggae, soul, disco, rock tunes, and even a waltz.
7. **Let the Power Fall**, *Robert Fripp* (EG)
An entire album of mellow Frippertronics.
8. **Wild Gift**, *X* (Slash)
Rockabilly overtones make this a worthy successor to *Los Angeles*, their first album.
9. **Discipline**, *King Crimson* (EG)
Simply put, a superlative reunion disc.
10. **League of Gentlemen**, *Robert Fripp* (Polydor)
Dorotronics, roscotronics, call it what you will. This is dance music for the 80's.

* * * *

Top Single: **Love Will Tear Us Apart**, *Joy Division* (Factory)
For the title, if no other reason.

Eric Sohn

1. **Boy**, *U2* (Island)
Probably the best debut album since *Talking Heads* in 1977.
2. **East Side Story**, *Squeeze* (A&M)
Elvis Costello's production finally fulfills the promise of a top-rate pop band.
3. **Sound Affects**, *The Jam* (Polydor)
Great title, great record, still a great group.
4. **Pleasant Dreams**, *Ramones* (Sire)
Seriously!
5. **Abacab**, *Genesis* (Atlantic)
Progressive rock ain't dead yet.
6. **Sails of Silver**, *Steeleye Span* (Takoma)
Perhaps the only great reunion album ever made.
7. **Sandinista!**, *The Clash* (Epic)
The proverbial "nice try."
8. **Trust**, *Elvis Costello* (Columbia)
More musical forays with ol' four eyes.
9. **Wha'ppen?**, *The English Beat* (Sire)
A nice avoidance of the sophomore jinx.
10. **Discipline**, *King Crimson* (Warner Brothers)
An album of possibilities and potentialities.

* * * *

Top Single: **To Cut a Long Story Short**, *Spandau Ballet* (Chrysalis)

Tom Anderson

on the town

This week's LSC movies:
Forbidden Planet, Wed., 7 & 9:30, 26-100
Lawrence of Arabia, Fri., 8 only, Kresge
Cartoon Festival, Sat., 7 & 10, 26-100
Oliver!, Sun., 6:30 & 10, 26-100

The Handel and Haydn Society presents the **Water Music Concert Arias** tomorrow and Friday at Symphony Hall. Both performances are at 8pm. Call 266-3605 for more info.

The Clarence Kennedy Gallery features an exhibition by photographer **Bill Burke** now through February 12.

Edwin Hymovitz will perform a piano recital at NEC's Jordan Hall Wednesday, January 20. The 8pm performance features the music of Scriabin. Admission is free.

This Friday, in honor of Martin Luther King's birthday, at the Blacksmith House, the film **King: A Filmed Record, Montgomery to Memphis** will be shown at 7 and 9pm. Tix are \$2.50.

This Thursday's **Noon-Hour Chapel Concert** features Bernard Brauchii at the clavichord. This week's performance features Bach music, by Johann Sebastian, Johann Christian and Carl Phillip Emmanuel Bach.

Lush Life, a jazz duo, will perform at the Blacksmith House, 56 Brattle Street, tomorrow at 8pm. Tix are \$3. Call 547-6789 for more details.

For something slightly different, go to Agassiz Theatre in Radcliffe Yard Monday at 8pm. The principals of Louis Malle's **My Dinner with Andre** will have a brief conversation, then answer questions from the audience. Free admission, too.

Paul Earls' **Modulations: An Installation of Lasers and Music in Space** will be on view through the end of the month at the Hayden Gallery. In conjunction with the exhibit, several lectures and presentations will be given in the gallery. Today's lecture is by Harriet Casdin-Silver on holography at 8pm. For more details, call x3-2701.

Fresh from the Great White Way (Broadway, not Boston), **Children of a Lesser God** is at the Colonial Theatre now through for a four week engagement. Performances Monday through Saturday are at 8pm and matinees Wednesday and Saturday are at 2pm. Tickets start at (gasp) \$12. Call 426-9366 for more details.

The **Hayden Corridor Gallery** will be displaying the paintings of Robin Bruch and Stephen Mueller now through February 7.

Nucleo Eclectic presents **Nora: A Portrait of James Joyce as a Jung Man** now through February 6. Performances are at 8pm Wednesdays through Saturdays. Call 367-8056 for more details.

The Peoples Theatre presents **Ceremony of Innocence** starting tomorrow. The Thursday through Sunday evening shows continue through February 14. Performances are at 8pm Thursday through Saturday and at 6pm Sunday. Tickets start at \$5.50. Call 354-2915 for more info.

Black Dog Productions present an evening of Southern music and dance at Sanders Theatre at Harvard tonight. The **Red Clay Ramblers**, Robin and Linda Williams and Beverly Cotten will be performing at 7:30pm. Tickets are \$7.50; call 491-2067 for more information.

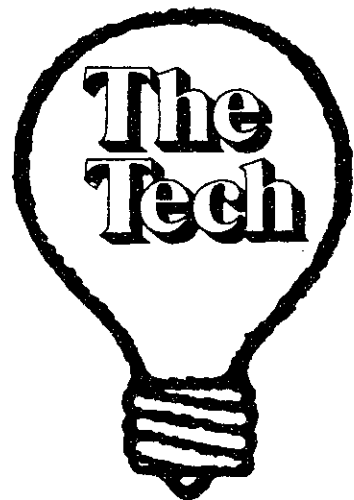
This Saturday, The Blacksmith House presents **The Swan Soliloquy**, a one woman show. Tix are \$4. Call 547-6789 for more details.

The Lyric Stage presents Ibsen's **The Master Builder** now through February 14. Tix start at \$5.50. Call 742-8703 for more details.

YOUR NAME IN LIGHTS

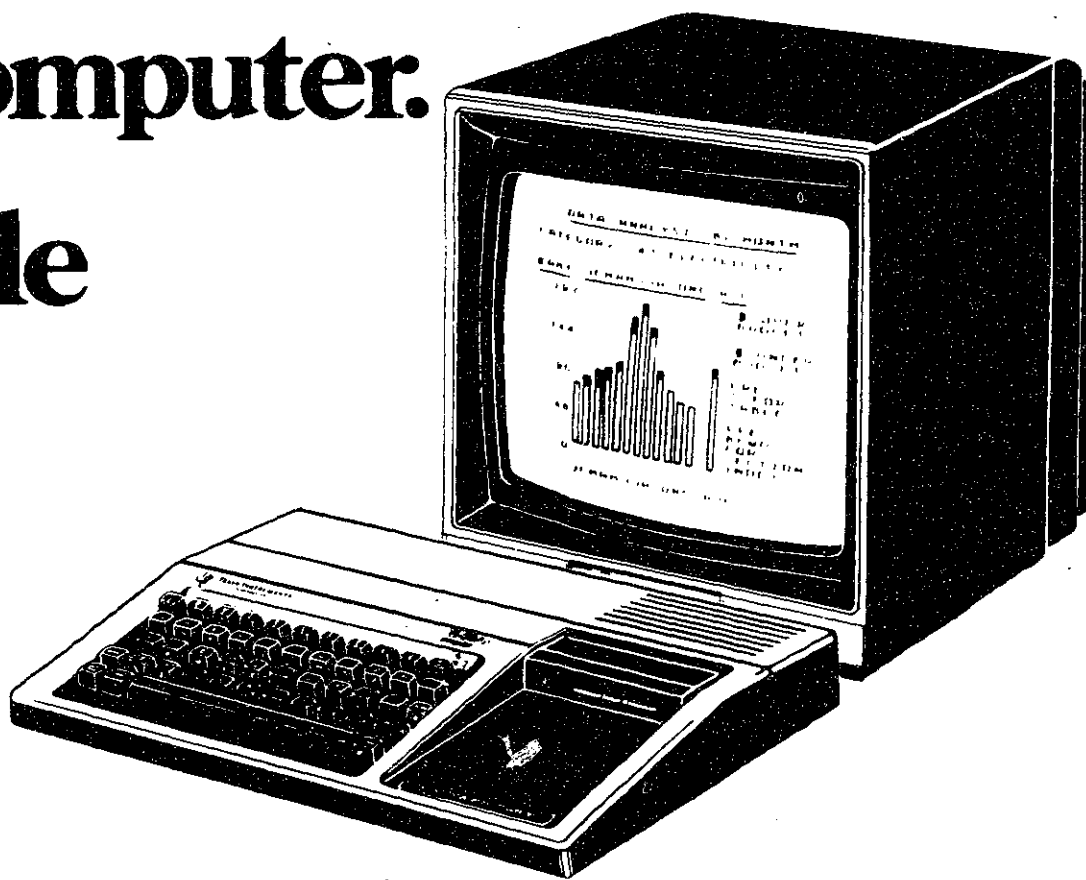
is but one of the benefits of writing for the Tech Arts Department. Pop by for pizza Monday evenings during IAP and ask for Dave.

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Three MIT scientists develop new artificial skin for burns

By Howard Trachtman

MIT researchers have made advances in the development of artificial skin for use on burn victims which improve the cosmetic appearance and patient survival compared with the previous type of artificial skin.

The biomedical engineering team that invented both forms of artificial skin includes Professor of Polymer Science and Engineering Ioannis V. Yannas, Research Associate Eugene M. Skabrut, doctoral candidate Dennis P. Orgill, and chief of the Massachusetts General Hospital (MGH) burn unit Dr. J. F. Burke.

Over thirty patients at MGH and Shriners Burn Institute, many with severe burns covering most of their bodies, have been treated with the original artificial skin. Dr. Burke says he strongly believes several patients would probably have died without the treatment.

The earlier method, developed in the past year, consists of grafting an upper skin membrane onto the open wound, thereby sealing it. Since the lower layer of protein fibers is very porous, the artificial skin helps in reducing the chances of infection and the loss of bodily fluids.

The previous artificial skin treatment presented cosmetic problems, because the lower (dermal) layer of the skin organ is regenerated naturally, whereas the upper (epidermal) layer is not. Skin from other parts of the body must be grafted onto the injured region.

The new artificial skin development, called a polymetric

template, reported in the January 8 issue of *Science*, solves the cosmetic problem and increases the chances of survival of burn victims. The new skin acts as a guide to the growth of epidermal skin tissue. The research group has had an unblemished success rate on guinea pigs in recent months. The new artificial skin obviates the need for a final skin graft, and leaves little scar tissue. The technique should be available for experimental use on human patients in about one year, according to Yannas.

Yannas and Burke believe similar techniques could possibly be used on internal human organs to stimulate tissue regeneration.

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Building 39 operations will move

(Continued from page 1)

Building 39, a number of operations currently housed there will have to move, according to Dickson. He mentioned the Information Processing Center (IPC) and the Industrial Liason Office as two possible candidates for space in either Building 11 or 12.

"I haven't heard anything about Building 11. I thought the Department of Architecture and a couple of others had it claimed," said Wes Burner, Director of IPC.

A number of groups within the Architecture Department will be housed in the new media building, however. Julian Beinart, chairman of the department, could not immediately be reached for comment.

"We're exploring alternatives: I'm taking it as the Gospel truth that we have to get out of 39." Citing possible expansion of the Center for Cancer Research, Burner added, "I've been told it would be very pleasing if we vacated our facilities in E19 as well." Burner mentioned the possibilities of putting the bulk of the computer hardware in an out-of-the-way building such as W91 or N51/52. The user-oriented services could then be put into "some first-floor space in Building 12."

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Man beaten on Mem. Dr.

By Laura Farhie and Daniel Lerner

Three assailants beat and robbed a man on Memorial Drive near the MIT Infirmary at 4:10am, January 5, according to Campus Police Chief James Olivieri.

Olivieri said the victim was taking a taxi cab from the Combat Zone to the Boston Sheraton Hotel, when the taxi driver made a wrong turn and stopped on Memorial Drive. The victim left the cab, and as he began walking to the Sheraton Hotel, he was approached by three people in a red sedan. The two men and one woman in the car asked him if he wanted any cocaine or marijuana,

according to the Metropolitan District Commission (MDC) Police. The three assailants, one of whom carried a knife, then got out of the car, beat the victim, and stole \$170 and the key to his hotel room.

The victim fled to the infirmary and called the Campus Police, said Olivieri. Campus Police Officers took the victim to Massachusetts General Hospital and contacted the MDC Police. Campus Police Sergeant Anne Glavin noted that since the crime occurred outside the MIT premises, an investigation will be conducted by the MDC Police.

The victim, who is not affiliated with MIT, was unavailable for comment.

notes

Announcements

February degree candidates will be mailed notices requesting they schedule appointments for Exit Interviews with the Student Loan Office. These interviews are mandated by the US Department of Education and are required by the Institute to maintain good standing on the degree list. The notice also serves to activate the repayment status and terms of the loans. Contact the Student Loan Office in E19-225, x3-4087, with any questions.

The Bursar's Office — Student Accounts has extended the hours at the "half door" at E10-215. The office will be open Monday through Friday, from 9:00am to 4:45pm to accept payments, disburse refund checks, answer general questions, issue Dean's Loans, and make appointments with Account Representatives. Account Representatives will continue to be available to meet with student between 9am and 4pm. The extended hours will not be in effect for the first two weeks of the fall and spring terms.

The I. Austin Kelly III Competition in humanistic scholarship is now receiving entries. Two prizes of \$250 will be awarded for the best scholarly or critical papers in Literary Studies, History, Musicology, Anthropology, or Archeology. All full-time MIT undergraduates are eligible, except previous winners. Submissions must be at least 4000 words long (14 standard typed pages). Papers may be written expressly for the contest, or papers from classes may be submitted, either as they stand, or in revised or expanded form. Submission deadline is April 30, 1982; rules and guidelines are available in 14N-305. The competition is administered by the Course XXI Office of the Department of Humanities.

During IAP the Civil Engineering Department will be conducting a competition for undergraduates (particularly freshmen) who would like to join faculty members in research opportunities. Up to ten \$600 traineeship awards to support this involvement will be awarded on the basis of a proposal written by the student in cooperation with a faculty member. To aid in linking students with potential research, an extensive directory of activities will be sent out to all freshmen and sophomores along with an announcement of the competition. Deadline for the submission of proposals is the end of the January IAP period. Students desiring more help in definition or in meeting faculty can attend a January IAP course (see the Bulletin) or contact Professor David Marks, Undergraduate Officer, x3-1992, or Professor Harold Hemond, x3-1637. Numerous topics

ranging from earthquake engineering to the rebuilding of America's infrastructure are presented.

The Massachusetts Association of Student Financial Aid Administrators' toll-free financial aid hotline will be in service from 5pm to 9pm, weeknights, now through January 29. Call 1-800-952-1001 with questions on financial aid programs and eligibility. The hotline will be closed on Martin Luther King Day, January 15.

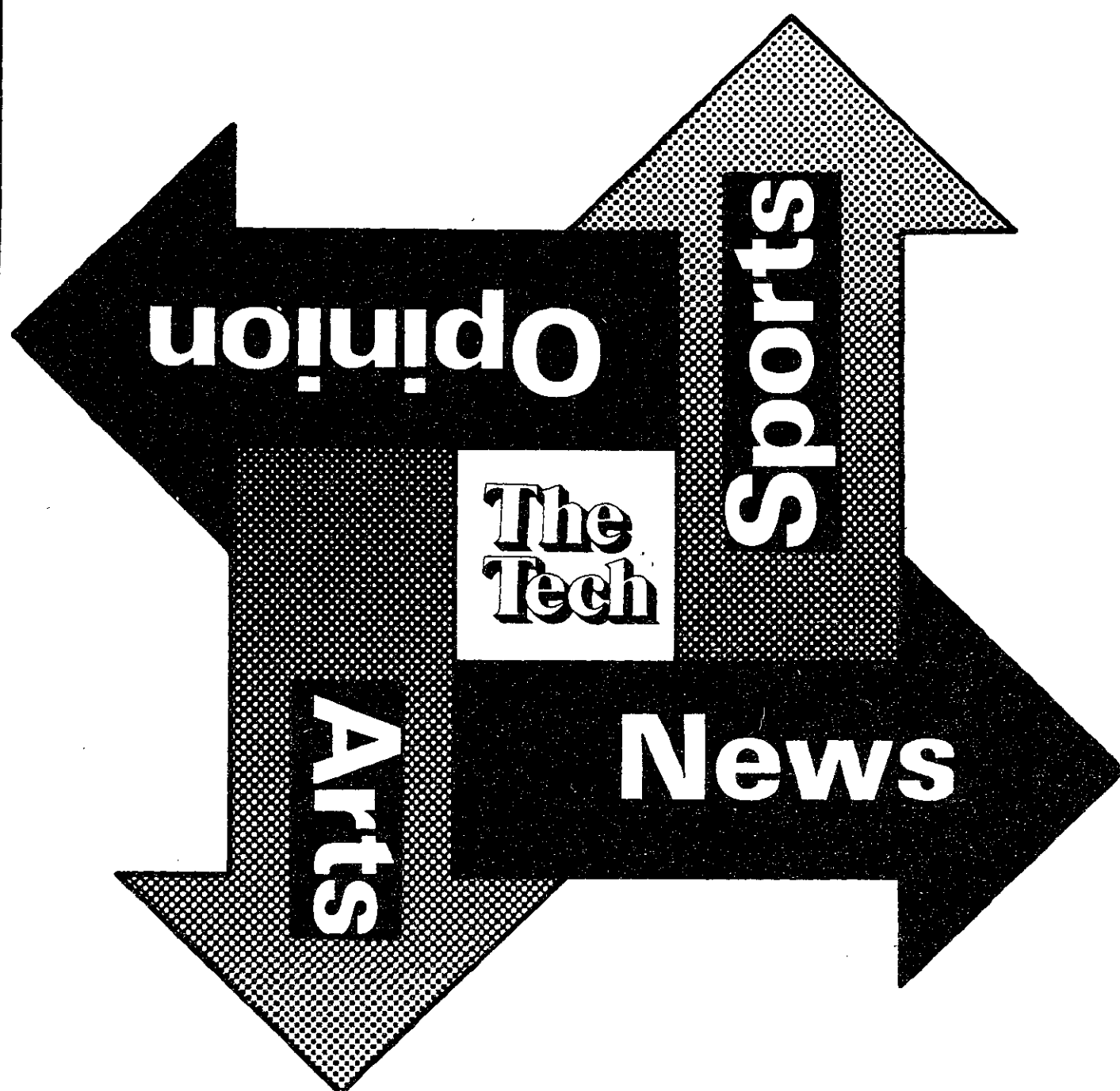
The Massachusetts State Federation of Women's Clubs (MSFWC) is sponsoring an annual scholarship program for graduate study in the fields of business and dentistry. Applicants must maintain official residence in Massachusetts for at least five years to be considered and obtain a letter of endorsement from a local MSFWC club president. Two scholarships in the amount of \$2,000 are being offered. For further information and applications contact Associate Dean Jeanne Richard, 3-136, x3-4869. Deadline for applications is March 1, 1982. Beinecke Memorial Scholarship Program: For college juniors who have demonstrated unusual ability in a field of study they intend to pursue at the graduate level. Preference to students in the arts and sciences with an eventual goal of college teaching. Candidates must have demonstrated financial need and only one nomination can be made from MIT. For further information contact Associate Dean Jeanne Richard, Graduate School Office, Room 3-136, extension 3-4869. Nomination deadline: February 1, 1982.

Lectures

New York Times columnist Anthony Lewis will be questioned about US foreign policy by an international panel of journalists at the Cambridge Forum tonight at 8pm at 3 Church Street, Harvard Square. Admission is free.

Internships

Finance and Management Internship — United States Trust Company, Boston, MA Internship runs from January to June, 8 — 15 hours per week. Seniors wanted to serve as Conversion Team Coordinators to work in the commercial lending operations to handle expanding portfolio. Course exp. in organizational behavior/management structure and accounting preferred. For more information please contact Myrna Parkin, Personnel Assistant, 726-7125, apply immediately.



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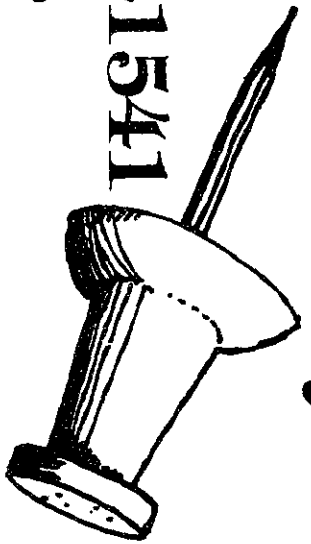
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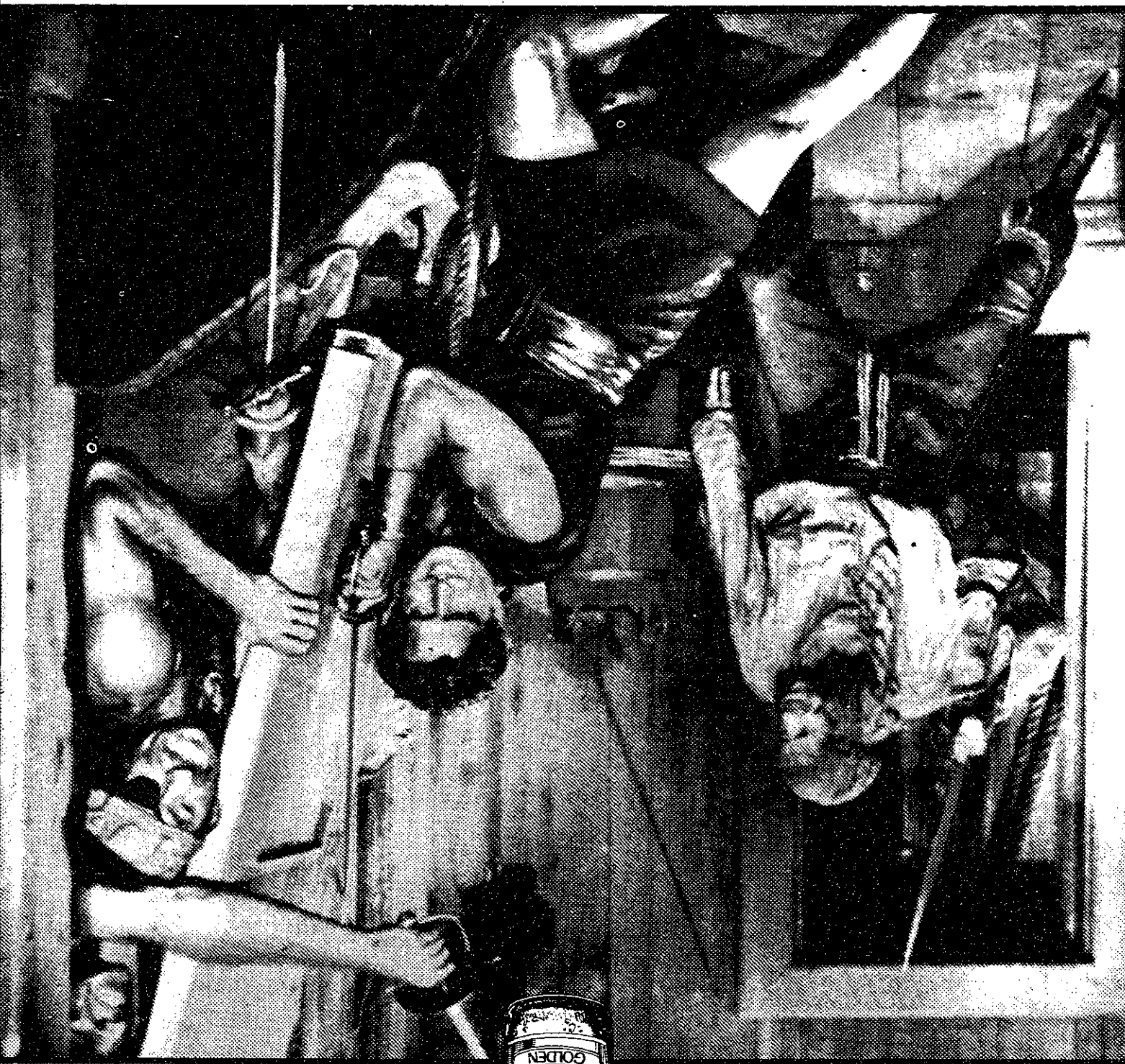
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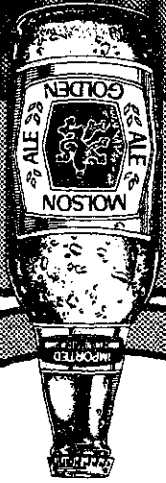
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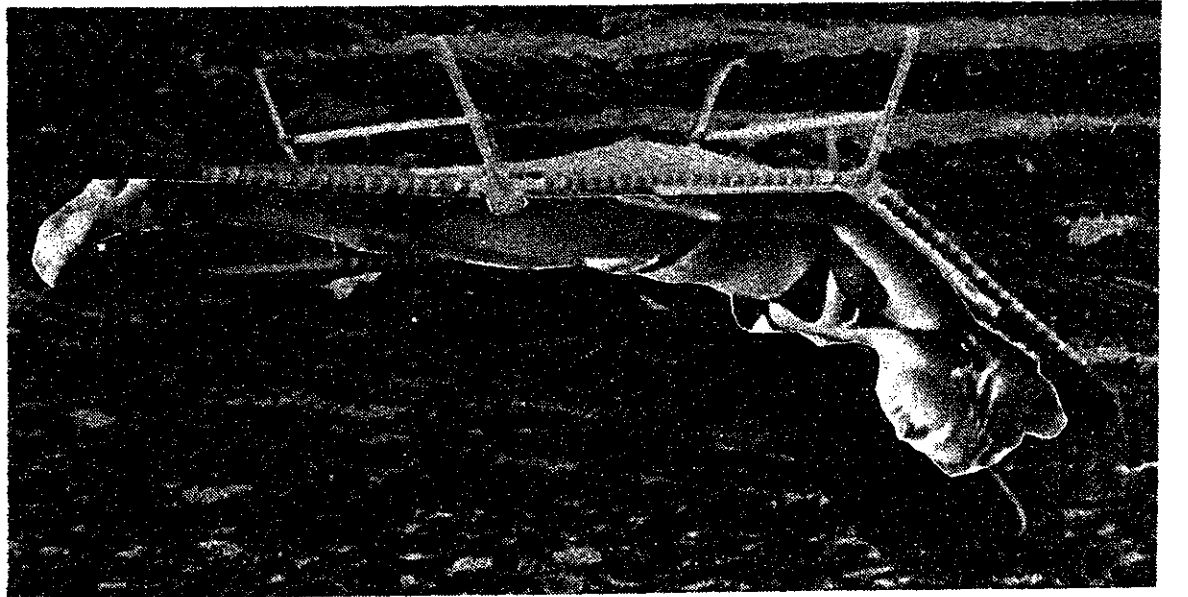
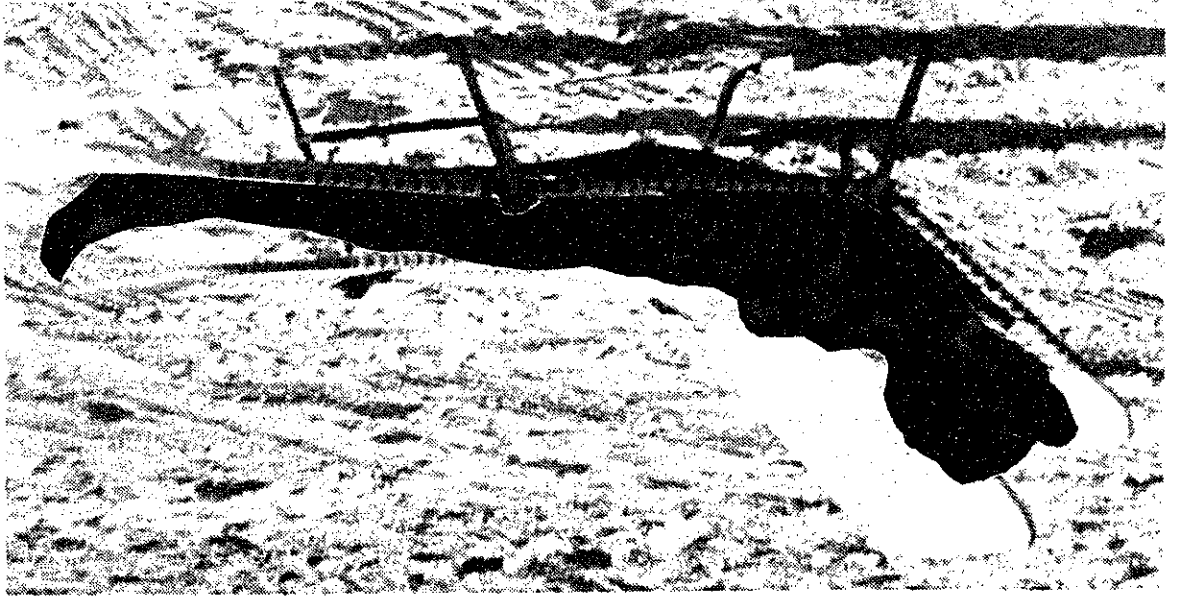
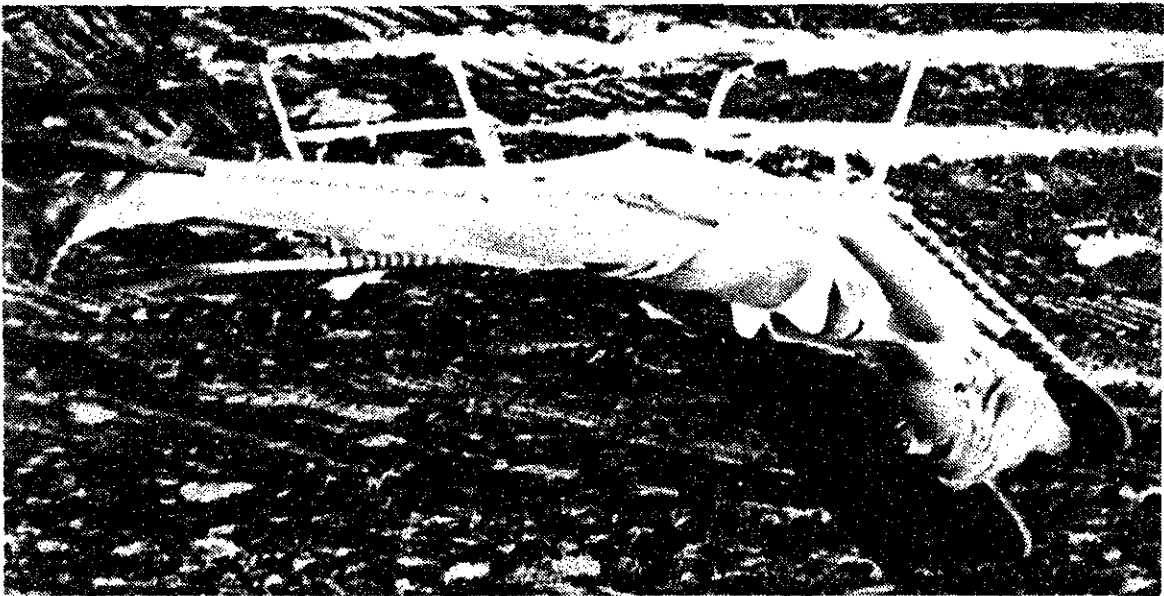


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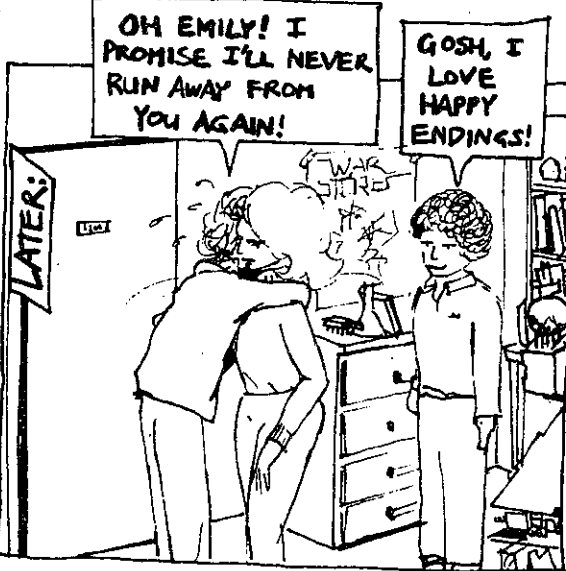
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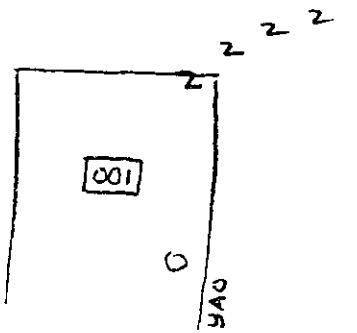
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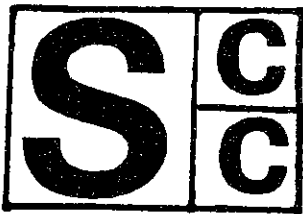
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Bball has tough week on road

By Eric R. Fleming

The road was not kind to the men's basketball team as it dropped four games in Florida and Maine last week.

MIT participated in the High Tech Classic hosted by the Florida Institute of Technology during its first visit south in five years. Monday night the Engineers fell at the hands of tournament winner New Jersey Tech 73-53. After falling behind early, MIT could never get close to the Division III Highlanders, who came into the tourney lightly-regarded but played two good games to win the title.

Tuesday's consolation game pitted MIT against Division II school Illinois Tech, which had lost to host FIT in overtime the previous night. MIT again fell behind at the outset, but managed to putt within three (25-22 at 9:54 of the first half). At this point, Illinois Tech took control of the game and cruised to a 53-38 half-time lead and a 98-73 win.

After facing the tough competition in Florida, MIT hoped its fortunes would change with Division III rivals Thomas College and Bates. However, Friday's contest against Thomas looked much like a repeat of the games in Florida as MIT again found itself looking at a large deficit (39-16 at the intermission). Thomas' 6-7 senior center Chris Blodgett did the job inside (11 first-half points en route to a game-high 27) while Don Meader and Steve Busque scored from the outside. Tech worked the Thomas lead down to 20 with 15 minutes remaining, but the job was too much, and Thomas won 76-55.

MIT played its best game of the trip the next night versus Bates, which had been riddled by injuries to several key players. The game was reminiscent of last year's contest at MIT: a close first half, with the Bobcats moving up early in the second half, then seeing MIT charge back. Bates took a 52-42 lead with just 8:26 left in

the game, but forwards Robert Joseph '83 and Mike Greer '83 led a 13-6 Tech run, cutting Bates' lead to 58-55 at the four-minute mark. Bates held a four-point advantage at 1:22, but two big buckets by junior guards Mark Branch (20 points) and John Shivanandan (subbing for Mike Weiss, who fouled out) tied the score at 67. Rob Dodson, who had a big second half after a non-existent first, put Bates up again by two with 31 seconds left. However, Branch came through again, putting up an impossible blind shot to knot the game at 69 with five seconds in regulation. The Bobcats could not get the ball down the floor in time, and for the second year in a row, the two schools went into overtime.

Greer (19 points, including two key jumpers down the stretch in regulation) and Branch gave MIT five points during the extra session, but Dan Wrenn countered with five of his own to keep the game tied. After an MIT miss,

Bates called time-out with 14 seconds remaining. After working the ball for a few seconds, Bates, Fred Kirby took a shot from the corner, which fell short. The rebound eventually came to guard Herb Taylor, who pushed the ball up and in at the buzzer to give Bates the win.

Despite the loss, this was by far MIT's best game of the trip and one of the best this season. Tech shot almost 50 percent from the floor, as opposed to a 40 percent clip this season, and out-rebounded Bates. Coach Fran O'Brian termed the game "an example of what we can do."

At 2-8, MIT will be hard-pressed to come up with a .500 season, as teams such as Division I Harvard (last night's opponent), Amherst Clark, and Connecticut College stand in the way. Games such as Saturday's, however, will make the quest for a third straight .500 or better year easier to attain.



Young rifle team improves

By Martin Dickau

MIT's rifle team competes in a league made up of seven schools — MIT, Dartmouth, the University of Maine, Norwich Military Academy, United States Coast Guard Academy, the University of Connecticut, and the Wentworth Institute of Technology. This year the squad is at a slight disadvantage because seven of the eight people on the team are freshmen, and only one of the seven, Cliff Eskey, has ever

shot before.

The team has a 3-7 league record, its first two wins coming in the season opener on November 14 against UConn and Wentworth. Even so, MIT is presently in fifth place in the league, and Cliff Eskey is showing great promise. In a match at Norwich on November 21, he swept the tournament with the highest overall score and the highest score shooting from the standing position.

On December 5, MIT attended the USMA Invitational Rifle Match. Eskey led the team with a score of 1120 out of a possible 1200 points. Other qualifiers were Greg Bulivac '83, the team's only upperclassman, with a 1068; Bob Cooley '85, who had a total score of 1015 and was the first freshman besides Eskey to break 500 out of 600; and Peter Ning '85, who shot a 940. Other shooters at the match were Adrian Wang '85, Danny Orange '85, and Gary Driik '85.

Despite a last place finish at the tournament, coach Tom Perry was pleased. "The match went very well," he commented. "The team shows a lot of promise for the spring and should be a serious threat next year."

On December 12, MIT hosted the last match before the Christmas break. The shooters lost to Dartmouth and Maine, but managed to defeat UConn for the second time this season. Once again Eskey had the highest score at the match; he now seems destined to capture the league scoring title.

The rifle team will not compete until February 3 when Tabor Academy will pay a visit.

sports update

After the long break, a review of some of the winter sports action to date is in order.

Wrestling — Tim Walsh' group continues to shine, sporting a 5-2 record. Three MIT matmen were standouts in the Upsala Invitational tourney held this weekend. Tom Fawcett '82 finished third overall in the 190 pound weight class, while juniors Steve Leibiger and Bob McElheny took fourth in the 167 and 134 pound classes, respectively. MIT hosts Maine-Presque Isle Saturday at 1pm.

Fencing — Both men's and women's squads spend the greater part of IAP gearing up for a busy February schedule. The two teams travel to Southeastern Massachusetts for action Saturday the 23rd. Eric Sollee's men are 1-1 (win over SUNY-Purchase, loss to Harvard) while the women have lost to the Crimson (and the weather, as a tournament scheduled here was canceled due to the snowstorm of December 5).

Track — Last year's Division III champions are on their way to another good season. The Engineers defeated Williams last Saturday 79-57 to boost their record to 4-0 after having previously beaten WPI, Brandeis, and Holy Cross.

Top standouts from last year's team include lettermen Dave Kieda '82, Jeff Lukas '82, Colin Kerwin '82, Martin Taylor '83, Joe Pressing '84, Lance Parker '84, Dave McMullen '83, and John DeRubeis '83.

All-American Paul Neves '83, Ron Smith '84, Bob Walmsley '84, and Lyman Taylor '85 have already set new school records in the 1000-meter run, 5000-meter run, 3000-meter run, and the 55-meter dash, respectively.

Head coach Gordon Kelly is pleased with the team's progress. "The veterans are starting to get into shape, and the newcomers are making a nice contribution," he says. However, he adds, "We face our biggest test of the season at Bates Friday night. We'll need everybody at their best to win the meet."

The next home track meet will be Saturday January 23, when the Coast Guard and Colby will be visiting.

Gymnastics — The men's gymnastics team opened its season with a solid pair of wins over Northeastern and Harvard December 12. Saturday, the team goes north to face the Green of Dartmouth College, and returns home Saturday January 23 for a match with Yale.

The women's team opens at Dartmouth Saturday, and hosts Bridgewater State a week from tonight at 7:30.

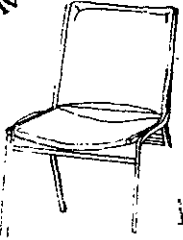
Women's Basketball — Our lady hoopsters stand at 1-4 after losses to Gordon and Bates last week. UMass-Boston invades the chilly confines of Rockwell Cage tomorrow at 7pm.

Other teams and their 1982 openers include: Hockey (2-1) Jan. 13 at Gordon; Squash (1-5) Jan. 21 at Bowdoin; Pistol (4-0) Feb. 13 with Tabor Academy (home); Skiing Jan. 8-9 at Norwich; Swimming (Men 1-1, Women 0-2) Jan. 20 at Tufts.


Eric R. Fleming and Marty Dickau

Student Sale

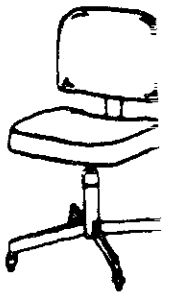
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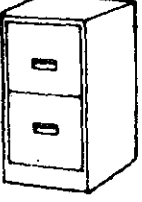
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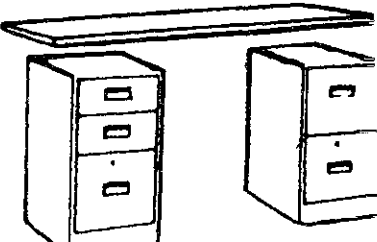
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