Major changes in store for Interphase

By David P. Hamilton

Motivated by concern about low grade point averages and graduation rates among minority students, Dean for Student Affairs Shirley M. McCay has announced major changes in Project Interphase, an eight-week summer program for disadvantaged students.

The experimental changes will place between 50 and 60 Interphase students — as many as ten of whom may be disadvantaged non-minority students — into six-person seminar groups which will study mathematics, physics, and writing together. The more intimate setting is designed to encourage individual participation and skills in oral presentation, according to Professor Arthur P. Mattuck, the faculty coordinator for the academic side of Interphase.

More significantly, Interphase participants will be expected to remain in their study groups throughout the first term of their freshmen year while taking a prescribed set of courses: Calculus I (18.03), Physics I (8.01), a non-written seminar to be selected, and an undergraduate seminar. Students will receive 54 units of academic credit, including credit for one 12-unit writing course that reflects writing done during both the summer program and the fall term.

Phase II, the physical renovation plan, will be complete by the end of May, he said. Phase I, the physical renovation of the fifth floor, will be complete by September, Nett felt that "hope and expect there will be no dropouts," stated an explanatory letter to minorities.

Center renovations continue

By Reuven M. Lerner

Renovations of the MIT Student Center will continue on the fifth floor through the fall, according to Campus Activities Complex Director Philip J. Walsh. He added that the upcoming expansion of the Student Center Athena cluster is the "primary reason" for the changes.

Walsh explained that there are "two phases to the project." Phase I, the physical renovation of the fifth floor, will be complete by the end of May, he said. During Phase II, he continued, the offices and activities on the fifth floor will move into their permanent homes. Walsh noted that Phase II is still "in the planning stages."

Center renovations continue

By Reuven M. Lerner

Renovations of the MIT Student Center will continue on the fifth floor through the fall, according to Campus Activities Complex Director Philip J. Walsh. He added that the upcoming expansion of the Student Center Athena cluster is the "primary reason" for the changes.

Walsh explained that there are "two phases to the project." Phase I, the physical renovation of the fifth floor, will be complete by the end of May, he said. During Phase II, he continued, the offices and activities on the fifth floor will move into their permanent homes. Walsh noted that Phase II is still "in the planning stages."

GSC polls grads on housing

By Irene C. Koo

Seventy percent of graduate students polled in a recent survey would want on-campus housing if it were offered, according to Robert D. Kiss, a member of the Graduate Student Council. Kiss commented that the purpose of the survey was to hear from the graduate student body as a whole on this issue.

The survey was held in late March to have produced a result of the low turnover rate, first-year students, "who would benefit the most, and the most part denied access to on-campus housing," Kiss said. "We just had to look at the number of applications and the size of the wait-lists." He could not recall when graduate students were last surveyed on housing, though he said that many of the questions in the February survey had never been asked.

Eighty-three percent of the respondents thought that new graduate students should receive priority to live on-campus. Kiss said that very few of them now do so because of the tenure policy, which allows students to stay on campus as long as they want once they are assigned there. As a result of the low turnover rate, first-year students, "who would benefit the most, are for the most part denied access to on-campus housing," Kiss wrote in The Graduate Student News.

As an example Kiss noted that the purpose of the survey was to hear from the graduate student body as a whole on this issue. Kiss commented that the purpose of the survey was to hear from the graduate student body as a whole on this issue.

PFC results said to deal blow to fusion claims

By David P. Hamilton

MIT researchers at the Plasma Fusion Center have produced a new fusion reaction which could be a blow to claims of "cold fusion" promulgated by University of Utah researchers Stanley Pons and Martin Fleischmann, according to PFC Research Scientist Richard D. Petrasso.

Fleischmann and Pons claimed in late March to have produced nuclear fusion with a laboratory bench apparatus consisting of palladium rods immersed in a bath of deuterium, or heavy water. The scientists said their device emitted neutrons and gamma rays, which are certain signatures of nuclear, as opposed to chemical, reactions.

Recent work at the PFC, however, raises serious questions about the data Fleischmann and Pons have used to support their claims. According to the theory offered by Fleischmann and Pons, the fusion reaction should produce a neutron for every fusion of two deuterium atoms. The neutrons in turn collide with a hydrogen ion from a water molecule to create another deuterium atom and a high-energy gamma ray, according to the theory.

Petrasso's research team placed a neutron-generating source in a water tank in order to observe the spectrum of gamma rays emitted from collisions between water molecules and neutrons. Unfortunately for the Pons/Fleischmann theory, Petrasso's research revealed the absence of the gamma ray.
MIT considers changes in Project Interphase

(Continued from page 1)

Students such as former Black Student Union co-chairman Sean Cadogan '90 have also complained that the policy decision was made too quickly and without taking student input into account. "A change this major shouldn't come out of the blue like this," he said.

The revisions to Interphase grew out of discussions McBay held with three faculty members—Mattuck, Professor Kenneth R. Manning, and Professor John G. King '64—early this year in order to explore ways of improving minority academic performance. In a matter of months, this working group hammered out a series of changes which will go into effect next year.

Although both McBay and Dean for Undergraduate Education Margaret L.A. MacVicar '65 explained that the changes are "well within the bounds" allowed in experimental programs such as Concourse or the Experimental Study Group, students are irritated by the seemingly unilateral nature of the decision. Members of the Black Student Union have already scheduled a meeting with McBay tomorrow to air their discontent.

Despite the student complaints, McBay, Karouna, and MacVicar all said they had great hopes for the program.

Grads want housing on-campus, survey says

(Continued from page 1)

"New students should not be thrown into the Boston housing market when they arrive," Kiss said. Fortunately the problems with English face even more difficulties, he added.

The new graduate dormitory being built on Albany Street will have 180 beds. Kiss felt that incoming students would continue to be in the housing shortage if the current policy continues.

The survey found that the rent for an off-campus single room averaged $433 per month; married couples paid an average of $480 per month. By contrast, rents for single rooms on campus ranged between $230 and $315 per month. As low rents may be one reason for the high demand for on-campus housing, the housing Office is trying to balance the idea of raising rents to off-campus rates in order to adjust demand, according to Kiss.

"The housing committee feels that the solution would be to increase the total number of beds, but this is not a viable alternative in the short run," Kiss said. "We can't have more beds overnight."

Another idea that the Housing Office is investigating is to limit the length of time a graduate student can stay on-campus housing to five years, Kiss noted.

Twenty-seven percent of the survey respondents—60 percent of the females and 20 percent of the males—said that they did not feel safe walking home. As the survey included students who live on-campus, probably not twenty-seven percent of students living off-campus have this concern, Kiss said. Fifty-four percent of the students said that their work required them to stay at MIT past 11 pm.

Student Center renovations to continue in fall

(Continued from page 1)

"advising contact" for student groups.

The Student Center is becoming more of a "college union," rather than just a building," Nett said. "Now that the building is finished, we will focus more on programs and community," she added. The CAC wants to create a "relaxed environment," and Nett hopes the Student Center will become a "fun, nice, useful place for everyone."

Join
The Tech
Sports Staff

Summer in the Sun

Summer Intern Assignments for Technical Students at this Summer.

Sun Microsystems is the world leader in network-based distributed computing systems, including workstations and UNIX® Operating System all using industry standards and an open system strategy. Sun's East Coast Division, located in Billerica, MA, designs, develops, markets and manufactures the 386i product family.

We are seeking students for the summer for the following:

EE/CS students with experience in the following areas:

- UNIX operating system
- MS DOS applications
- Networking
- X windows
- Extensive experience with UNIX or PC's in European (non-English speaking) countries

EE's with the following experience:

- ASIC design
- CAD
- Diagnostics
- Multi media technology

Please call Nancy Rogoff at Sun Microsystems, 508-671-0559 or send your resume to her at 2 Federal Street, Billerica, MA 01821. Student work permit required for foreign nationals. An equal opportunity employer.
**Nation**

**Atlantis lands safely**

Mission control welcomed the crew of the *Atlantis* back to earth yesterday with the comment "Commodore Magellan would be proud," after the space shuttle landed at Edwards Air Force Base in California. Mission control's mention of the 16th-century explorer Magellan was an indirect reference to the Venus space probe that the crew put into orbit shortly after launch last Thursday. As *Atlantis* rolled to a stop, Magellan was already more than 640,000 miles from Earth. NASA said a preliminary check found minimal damage to the ship's heat-resistant tiles.

**Wright house income raises questions**

Financial disclosures form show House Speaker Jim Wright collected upward of $25,000 in extra income by renting out his Fort Worth, TX, home while he and his wife lived in free housing given them by a business partner. The housing that George Mallick provided the Wright's forms the basis for some of the 69 House rules violations alleged against the Texas Democrat.

**Eastern will spend $24M to keep its planes**

Bankrupt Eastern Airlines is asking US Bankruptcy Judge Burton Lillibridge to approve a $24.5 million payment on the company's debts and loans for 104 airplanes. The request signals Eastern's intent to keep the aircraft for sale or lease to other carriers. Under US bankruptcy code, it has 60 days from the date of its filing for reorganization to declare whether it would honor or reject contracts for the purchase or leasing of aircraft. Without such a declaration, the lenders and lessors could reclaim the planes.

**School bus seat belts not cost-effective**

A panel of safety and transportation experts has told Congress the costs of school bus seat belts outweigh the benefits. It said safety efforts should concentrate instead on making bus loading zones safer. The panel reports nearly forty children are killed each year while getting on or off school buses compared to ten children a year killed while riding buses. The report says it would cost $40 million dollars to install seat belts, and might save one life a year.

**Mayor pessimistic about Exxon spill**

A congressional panel investigating the recent Exxon Valdez oil spill is winding up two days of investigations in Valdez, AK. In his appearance yesterday, the mayor of Valdez said he doubts Exxon can complete the cleanup before winter. Top Exxon executives told the panel that the federal authorities turned them down when they urged quick use of dispersants.

**Cryptic Crossword #6**

**Tropos seize Panana vote counts**

Thousands of opposition supporters marched in Panama's capital yesterday to protest the reported seizure of presidential election vote tallies by Gen. Manuel Noriega's troops. Armed men in civilian clothes attacked the protesters and fired guns into the air to break up the demonstration. At least three people have been reported wounded.

**Hijacking verdict expected next week**

A West German judge said a verdict in the case of TWA hijacker Mohammed Ali Hamadi will be delivered May 17 and that pressure from kidnappers in Lebanon will not affect the case. Reports have linked last week's abduction of a young West German in South Lebanon to the Hamadi case. Hamadi has admitted taking part in the 1985 hijacking but has denied killing a US Navy diver who was a passenger on the airliner.

**Nicaragua hopes for better relations**

Nicaragua's foreign minister said he is hoping for better relations with the United States, now that President Bush is in office. Miguel D'Escoto said former President Reagan had a "gut commitment" to destroy the Sandinista government. But he said Bush is more pragmatic. D'Escoto is in London for talks with British officials.

**Israel seals off West Bank**

Israeli troops have sealed off the West Bank and Gaza Strip in an effort to reduce violence during two Israeli holidays. Some 100,000 Palestinians are under an indefinite curfew in the Gaza Strip, and one million West Bank residents are forbidden to enter Israel until Wednesday night — after Memorial Day and Independence Day celebrations conclude.

**PLO leader criticizes Iran for terrorism**

The US State Department said it welcomes a statement by PLO leader Yasser Arafat distancing an Iranian call for attacks on Westerners. A PLO spokesman said Arafat's statement is consistent with his renunciation of terrorism.

**H-bomb fell close to Japan**

More than 23 years after a hydrogen bomb fell off a US aircraft carrier into the Pacific, new controversy is swirling. A research analyst said the bomb ended up much closer to Japan than the military first admitted — about 80 miles from the Motomachi Island chain. In 1965 the Navy acknowledged the accident and said the bomb ended up 500 miles from land. The bomb was aboard a jet that rolled the aircraft carrier in 1965.

---

**World**

**Cummings still on injured list**

The Milwaukee Bucks say Terry Cummings will probably not play in Wednesday's opener of their best-of-sevens second-round series against Detroit. Cummings, who has a doctor's appointment, sat out Sunday's game-five victory over Atlanta because of a sprained right ankle.

**Canseco to have surgery**

It looks like a mid-July return for Oakland's Jose Canseco, who will probably have surgery to remove the bone left wrist reaggartated during a minor league game yesterday. The injury, originally suffered in spring training, has sidelined Canseco all season.

**Buffalo hockey team wants Soviet defector**

A spokesman for the Buffalo Sabres reports "some progress" on the NHL club's bid to settle Alexander Mogilny's minus with American immigration authorities. Mogilny defected last week after his Soviet Union team won the world hockey championships in Stockholm.

**NY lineman to retire**

New York Jets lineman Bob Crable will announce his retirement today. A nine-year veteran, Crable spent seven years with New York and said out last season following reconstructive knee surgery.

**Weather**

**Rain ahead**

The weather in the Boston area will worsen over the next day or so as a trough of low pressure deepens to our west. As the disturbance deepens, its associated flow pattern will bring moisture from the Gulf of Mexico into the Northeast. Thus we can expect rain to develop by tomorrow and continue until Thursday. By Friday, we should see improving weather here in Boston.

**Today:** Morning sunshine will give way to increasing cloudiness during the afternoon. High temperatures will be near 45°F (7°C).

**Tonight:** Clouds with thin overnight and is a chance of showers by morning. Low temperatures will be near 55°F (13°C).

**Wednesday:** Mostly cloudy with rain likely. Highs near 55°F (13°C).

**Thursday:** Continued cloudy with a chance of showers. Highs 55-60°F (13-16°C).

**Forecast:** by Robert Black

Compiled by Seth Gordon and Andrew L. Fish
LETTERS TO THE EDITOR

Scientists should not quickly dismiss "cold fusion"

As a member of the MIT community, I am greatly concerned by the way cold fusion has been handled by some of our scientists. It is all right that we are not the first ones to report the discovery; it is also all right that we are still unable to duplicate the test, although our experiments are at least as sophisticated as those at Utah.

But it is not all right to dismiss the Utah researchers' claims because of envoy. And to attempt to block a congressional research grant for the project MIT professors doubt about cold fusion claims makes 100% sense to me. And I wish this whole cold fusion stuff was faulty, so that we could all sit back, relax, and enjoy watching our scientists score a few points for us. But I don't think it would be brilliant not because they discovered cold fusion first, but because we refused to hear them first. But this is not the issue here. Science is a lengthy process to discover the truth, which is not always obvious. Therefore, to remain open-minded and not at least to give it the benefit of the doubt — are not the only wise pieces of advice to repeat to some of our absent-minded professors. I find it hard to believe that scientists all over the world are wrong about cold fusion, ranging from the ones working in little basement laboratories in the Third World to the ones at Stanford, whose qualifications are at least as good, if not better, than those of the leading caretakers. If information on the validity of the cold fusion experiment is lacking at this time, then shut up! Please remember that the poor guy who was the Utah lab is not required to pay tribute to the MIT empire with his findings.

The pride of our community should not depend on whether we are the first to discover or refuse cold fusion. Working constructively with a proper sense of modesty, however, does help when the total scores are counted. If a small town mentality becomes dominant in our scientific community, is the fall of the MIT empire still far away?

Jun Zhang '90

---

Camel cigarette ads encourage sexual harassment

I have just cancelled my subscription to Omni magazine and I feel it is necessary to inform the MIT community of the problem. I think this is a giant step backwards in the fight for women's rights. While reading the May 1989 issue of Omni, I came across a pamphlet-type advertisement in the center of the magazine. I did not know that the ad was for Camel until I turned the page. The front of the ad showed a picture of a woman in a bathing suit, with a man looking at the woman's rear end, with the caption "Bored, lonely, restless? What you need is..." I was faced with Camel's "proof" on how to "impress someone at the beach" entitled "Smooth Move #334." First on the list was, "Run into the water, grab someone and drag her back to the shore, as if you didn't know she was there." The more she kicks and screams, the better. She is "having a little fun." Well, sexual harassment is not fun, nor should it be tolerated at any time.

Unfortunately Camel cigarettes plans to roll us on the more smooth moves in the near future. I certainly hope others will not sid Omn and Camel cigarettes in their plan to insult and degrade women. Please help stop this abuse of women and write to the R. J. Reynolds Tobacco Company or any publicit that disallows this offensive ad.

Laura Rynsky '91

---

Tetris addiction sweeps campus

We are writing to warn the MIT community of a deadly new addiction being swept on campus. This is no than competetive "Tetris" playing. This competition is not about the first, but it quickly develops into a mind-numbing battle. Players neglect their social lives, their schoolwork, and their families in a never-ending attempt to outdo each other by using their "Tetris" skills. This insidious electronic virus has invaded personal computers on campus and has been found even in the Student Centers. The problem is growing rapidly by quitting cold turkey can a "Tetris" player resume his/her normal lifestyle. Just say NO to "Tetris."

Tim Townsend '90

---

The Tech welcomes letters from its readers. All letters are subject to editing and are published solely at the editor's discretion. Please give your name, phone number, and MIT affiliation if you wish for identification, and should be kept: under 300 words. Letters should be submitted double-spaced for ease of editing. Letters are published anonymously only in rare circumstances, at the editor's discretion. In order to contact the MIT Student Center copy editors, please call the fourth floor of the MIT Student Center offices at 454-29, MIT Beaver, Cambridge, MA 02139, or to reach the Tech's copy staff, please call Tech's Office, 77 Massachusetts Avenue, Cambridge, MA 02139, or to reach the Tech's Production Manager, please call Tech's Office, 77 Massachusetts Avenue, Cambridge, MA 02139.
LETTERS TO THE EDITOR

UA played an instrumental role in keeping P/NR

During our campaign for Undergraduate Association president and vice president, we stressed the need for the UA to become proactive, to initiate action and follow through rather than react to administration actions. We met many students who were very blunt in their assessment of the UA: What is it? What has it ever done? Why should I care? Looking back at the manner in which the UA confronted the threatened elimination of second-term freshman pass/no record grading, we commend this incoming UA administration for successfully answering these questions.

The faculty vote on pass/no record grading did not spring from a vacuum of apathy. It was the culmination of efforts begun over a year ago when the Student Committee on Educational Policy issued its Report on the Freshman Year, pre-empting the Committee on the First-Year Program's report. Then, this winter, the UA began a series of forums to gain port. Then, this Winter, the UA began a series of forums to gain a better understanding of the problems of the freshman year, and maintained the pass/no record grading system.

Last Wednesday, with over 100 students present in support of pass/no record, the Undergraduate Association threw its support behind the Groisser-Keyser-Meldman-Merritt-Vandiver amendment and took a definitive stand defending the educational merit and integrity of pass/no record grading system.

Amendments were introduced to cut it back further. Again and again, student representatives argued the merits of pass/no record. They pointed to evidence to expose the flaws in the CFYP proposal. They polled students. They formulated a strategy to defeat the CFYP proposal and worked with a growing group of concerned faculty members to promote an alternative proposal that addressed the problems of the freshman year and maintained the pass/no record grading system.

The UA works. It is the only really effective voice students have to achieve results. Any group of radicals can stage a sit-in or occupy a building. Sometimes injustice cries out for such measures, but the effectiveness of an organization rests on its accomplishments. We believe that the results speak for themselves, and we applaud this UA administration on this victory. Furthermore, we challenge students who feel the UA is worthless, or a waste of time, or a greasy clique, to describe the team as light and young. The weight average cited above is deceptive because it is the aggregate of the first, second, and third varsity boats. The third varsity is lighter than the JV, which itself is lighter than the varsity. Furthermore, we do not have a particularly young crew. There are eight seniors, ten juniors, and nine sophomores on the team, including the coxswain. The three seniors in the first varsity by no means slow the boat down. Instead it speaks very highly of their strength, endurance, and technique.

Syracuse is a fast crew and somewhat faster than MIT. But MIT did not go out expecting to beat them. The team fought for margins. Our first varsity and first freshman crews were closer than they have been in recent years. Although MIT did not win, the team was pleased to gather such improvement against Syracuse. MIT competes as a Division I school and consequently has the opportunity to race the fastest collegians in the nation. The crew makes no excuses for the present MIT crew team was disappointed that the article in last Friday's Tech implied that we did. MIT crew has a first-rate program with as much training, dedication, and water time as any school in the country. By any measure, such as 2500 meter ergometer score, one-hour ergometer score, technique, sheer strength, and endurance, this year's first varsity crew is faster than any in recent years.

Jay Damnak '90
Heavyweight crew

WHAT WILL YOUR LIFE BE LIKE AFTER GRADUATION?

What skills and information do you need to do what you believe is right in the work place or graduate school?

Help design a subject that will meet your needs

New Subject: Ethical Issues in the Work Life of Engineers & Scientists
Fall 1989
2.95J, 16.996J, 18.096J, TPP09J, & SIS061J with HASS credit

This subject examines ethical problems that commonly occur in the work life of engineers, scientists, and architects, and gives students practice designing constructive means for solving or at least coping with those problems. In small recitation sections, students will develop scenarios involving ethical concerns that might arise on the job or in graduate school and then investigate the norms and policies that exist in particular settings for developing a satisfactory resolution of the problem.

Topics to be addressed in lecture:
- Designing for safety
- Premarital and homosexuality
- Environmental protection
- Freedom of choice
- Television and sex
- Knowledge of medical research
- Biological testing of workers on the job or as a condition of employment (e.g. drug testing)

Tell us if other issues (e.g. data retention & data sharing, doing business in cultures with different social norms) are particularly important to you. We have an extensive list of corporations and research facilities that have agreed to work with students. Tell us if there are other kinds of work and study environments that you are interested in investigating. Please leave your name, course, year, and information about the issues and environments that you wish to investigate by calling x-1631.

For more information call any of the course faculty or x-1631.
 faculties: Caroline Whitebook, David Atkin, Stephanie Beld, Irey Paul, and Leon Trilling, with John Ehrenfeld and Chuck Culler.
PFC finds no fusion evidence

(Continued from page 1)

ray spectrum could not have resulted from the reaction they described. "It does not work," Petrosino said. "The claim that they saw gamma rays from fusion is specious."

Furthermore, Petrosino said that Pons and Fleischmann had overestimated the number of emitted neutrons by a factor of 40. Calculations based on Petrosino's "absolutely calibrated" neutron source revealed a rate of gamma ray emission 40 times higher than a rate that can be calculated from the Fleischmann/Pons results, Petrosino said.

The PFC research gave no indication as to the reason for the Fleischmann/Pons error except to suggest that an instrumental artifact might bear the blame. The experimental results have been submitted to the refereed British Journal Nature for publication.

Petrosino's refutation of the Fleischmann/Pons neutron-gamma ray interaction does not completely rule out the possibility that cold fusion might be occurring. The Utah experimenters also reported observing an energy increase of four times over that supplied to the experimental apparatus, a result obtained by complicated heat measurements. The PFC results offer no insight regarding the possibility or impossibility of these calorimetry claims.

Similarly, these experiments do not significantly affect the viability of the theoretical model of cold fusion offered by MIT Associate Professor Peter L. Hagelstein '76, who has proposed that a very rare reaction dominates the fusion process. In Hagelstein's theory, two deuterium atoms fuse to create a helium-4 atom and excess energy, which is absorbed by the palladium lattice structure as heat instead of radiating away as a gamma ray. Hagelstein said he's been advised not to speak to the press, but did say he has not withdrawn any of the four papers outlining his theory. He has submitted to Physical Review Letters.

Petrosino said Hagelstein's theory could still prove to be true, although he said he remains skeptical. For one thing, the rare reaction Hagelstein describes happens in free space only about one ten-millionth as often as the more common reaction Pons and Fleischmann used. For another, the absorption of excess energy by the palladium lattice is unsupported by much physical evidence.

"It's two incredibilities," Petrosino said. "Most people think that's unlikely to have been correct, although it is now being "heavily questioned."

Another research team at the PFC, led by research scientist Stanley C. Luckhardt, has been attempting to duplicate the actual Fleischmann/Pons experiment, so far without success.

Solutions to Cryptic Crossword #6

ACROSS
1. GRAIN OF TRUTH
3. APT
5. SIMULATA
7. SIMULATE
11. DWELT
12. LANCE
13. NUTHATCH
14. ONA
19. GIANTS TICKET

DOWN
1. GLASS-BLOWING
2. ANTIMONY
3. OSTEAL
4. TAGGED
5. USA
6. HEART TO HEART
10. MEATHOOK
13. ENDUST
14. SYRING
15. IRA

Translating into your native language are needed for industrial literature. You will be well paid to prepare these translations on an occasional basis. Assignments are made according to your area of technical knowledge. We are currently seeking translators for:

- Arabic
- Chinese
- Danish
- Dutch
- Finnish
- French
- German
- Greek
- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese
- Romanian
- Spanish
- Swedish

Into-English translations from German and French. Many other languages also available.

Foreign language types also needed. All this work can be done in your home!

Linguistic Systems, Inc. is New England's largest translation agency, located a block north of the Central Sq. subway station.

For application and test translation call Ms. DePhillips

864-3900

Your foreign language ability is valuable!

FREE COURSE

SPECIAL 497-2053

SURE LOCK

SELF-STORAGE
39 Medford, Somerville

OPENING SPECIAL
- Hundreds Of Storage Units
- Pick-Up & Delivery
- Easy Access — Loading Dock
- Open 6 Days A Week!

CALL FOR FREE ESTIMATES

ALL SIZES TO FIT YOUR NEEDS
* RESIDENTIAL AND COMMERCIAL STORAGES

[Advertisement for Sure Lock]

SOMERVILLE
Kendall Sq. 779-9241
Harvard Sq. 661-8386
Brookline 864-4748
Boston 731-8300

[Advertisement for Somerville Pizzeria]

Bertucci's Brick Oven Pizzeria

Let us teach you how wonderful an authentic, wood burning brick oven pizza can taste.

Write your name and phone number on the back of this ad and bring it to Bertucci's. We'll give you 85.00 off any Large Specialty Pizza. (Limit one ad per pizza. Expires 5/31/89)

[Advertisement for Somerville Pizzeria]
**Counseling**

Counseling and HTLV-III blood screening services are available for individuals infected with or suspected of being infected with AIDS. For more information about the HTLV-III blood screening service sponsored by the Department of Public Health and Counseling Services, call 522-4600, weekdays from 9 am to 5 pm. Outside Boston call collect at 775-6441.

Parenting is a tough job. If you need help with your parenting experience, the Family Support Network and Parents Anonymous are sponsoring a support group for isolated or overwhelmed parents. Every Tuesday night there is an open meeting from 7 to 8 pm at Roxbury Children's Service, 22 Elm Hill, Dedham. 

**Getting Help or Getting Desperate?**

If drugs are becoming a problem, call or write: Narcotics Anonymous, 261 Main St., East Boston, 672-0221. Local meetings held at the MIT Medical Service, B-34, on Mondays from 3-7 pm.

**The Cambridge Dispute Settlement Center**

They have announced that it is making an experimental free service available to the Cambridge area. Those interested in using CDSC's service to resolve a roommate dispute or any other dispute should contact the mediation center at 876-5756.

**Reflective Listening**

There is a list of reflective listening being provided by the Pico Chan Foundation of Health and the Hispanic Health Coalition. This hotline is to provide information and help on the nature and causes of food addiction, and gives tips on the prevention of food addiction. The hotline number is (617) 735-8579.

**CALL**

A self-service information service, providing a free 24-hour information line for graduate school, college students, financial information and more. (617) 491-3565. Monday through Thursday from 3:00 to 7:00. All services are free.

**Study Help**

The professional tutor staff of the MIT Writing and Counseling Center (143-1233) is available for any writing or oral presentation project. (617) 253-5160. Monday through Thursday from 3:00 to 7:00. All services are free.

**Meeting Times**

Every Tuesday at 4 pm in Walker 202, there is a Japanese Lunch Table. Bring a bag lunch, make friends and join this lively group. All levels are welcome.

**Anonymous**

Anonymous is co-sponsoring a support group for isolated or overwhelmed parents. Every Thursday night from 7 pm to 8 pm at Roxbury Children's Service, 22 Elm Hill, Dedham. 

**Fellowships, Scholarships, Grants and Awards**

The Massachusetts Risk and Insurance Management Society is offering an educational scholarship available to business administration majors with a strong interest in this management. For more information and an application, please contact Lauren Furey at (617) 864-1132.

The MIT-Japan Science and Technology Program is pleased to host the third "MIT Japan Science and Technology Prize." The application deadline is March 15, 1989. Further information and all applications must be received by Kyoto Society in Japan by April 15, 1989.

**PC's & CRT's**

Printers

Sales-Service-Lease-Supplies

Bedford Computer Systems Inc.

6 Executive Park Drive

N. Billerica, MA 01862

(603) 671-0870

**Get Packing!**

Make The MIT Coop at Kendall and Stratton Center your one-stop shopping spot for all your packing needs.

**PACKING SUPPLIES CHECK LIST**

Scotch Brand tape

Including Strapping Tape, Paper Tape and Duct Tape

Stick in assorted widths and lengths.

Kraft paper, 2/1/2"x250"

Corrugated Cartons:

21 1/2"x12"x12" 1/2

24 1/2"x12"x12" 1/2

600 pieces per second—plus proven Data Analysis for Solving

High Speed Motion Problems

• Stream Film & Processing

• Stream H.S. Movie Cameras

• Stream H.S. Stripper

For more information call 522-4600.
CONCERNED ABOUT
GLOBAL WARMING?
ACID RAIN?
TOXIC POLLUTION?
WATER SHORTAGES?
THERE IS A REAL SOLUTION
Fact: fossil fuel consumption and the industrial activity it supports are primary causes of global warming, acid rain, toxic pollution and other types of environmental deterioration.
Fact: the US uses far more fossil fuel and generates more pollutants per capita than most nations of the World.
Fact: As the United States' population continues to grow and the demands for fossil fuel use and industrial production increase, our environmental problems worsen, and the possibility of ever solving them becomes more and more remote.
As the Global Warming Prevention Act introduced last year states: "Even comparatively smaller populations increases in industrialized nations add significantly to the pressures for expanded energy use, industrial activity, and other factors which accelerate climate change."
Conclusion: We must stabilize the United States' population if we are ever to effectively solve these problems. We should start at home and provive an example for the rest of the world.

CONVERT YOUR FRICTIONS INTO ACTION AND HELP DEAL DIRECTLY WITH THE UNDERLYING CAUSE OF THESE SIDE EFFECTS- OVERPOPULATION.

JOIN THE CAMPAIGN TO STABILIZE THE UNITED STATES' POPULATION.
Contrary to popular belief, the U.S. population is growing rapidly. It's time to realize the facts so we can deal effectively now with our environmental problems.

1. The U.S. has the fastest growing population of any country in the industrialized Western World— approaching 300,000,000 people.
2. In the next 31 years, by the year 2020, if current trends continue, our country's population of 247 million will increase to nearly 500 million and continue to grow—we will add two and a half times more people than the rest of the industrialized western countries combined.
3. Last year alone, California's population grew by 650,000 people— that's almost as equivalent to adding another San Francisco or Los Angeles to the state.

...If we don't act now to stabilize U.S. population.

POPULATION ENVIRONMENT BALANCE, INC. is a non-profit, non-competitive organization dedicated to actions that will stabilize America's population.

Population-Environment Balance, Inc. is a non-profit, non-competitive organization dedicated to actions that will stabilize America's population.

We must act now to stabilize our population by dealing directly with population increase.

POLLUTION ENVIRONMENT BALANCE promotes programs that encourage rationalization of our nation's carrying capacity, including protection of our environment and support for small family size.
"HOW I MADE $18,000 FOR COLLEGE BY WORKING WEEKENDS."

When my friends and I graduated from high school, we all took part-time jobs to pay for college. They ended up in car washes and hamburger joints, putting in long hours for little pay.

Not me. My job takes just one weekend a month and two weeks a year. Yet, I'm earning $18,000 for college. Because I joined my local Army National Guard.

They're the people who help our state during emergencies like hurricanes and floods. They're also an important part of our country's military defense.

So, since I'm helping them do such an important job, they're helping me make it through school.

As soon as I finished Advanced Training, the Guard gave me a cash bonus of $2,000. I'm also getting another $5,000 for tuition and books, thanks to the New GI Bill.

Not to mention my monthly Army Guard paychecks. They'll add up to more than $11,000 over the six years I'm in the Guard.

And if I take out a college loan, the Guard will help me pay it back—up to $1,500 a year, plus interest.

It all adds up to $18,000—or more—for college for just a little of my time. And that's a heck of a better deal than any car wash will give you.

THE GUARD CAN HELP PUT YOU THROUGH COLLEGE, TOO. SEE YOUR LOCAL RECRUITER FOR DETAILS, CALL TOLL-FREE 800-638-7600* OR MAIL THIS COUPON.*

MAIL TO: Army National Guard, P.O. Box 6000, Gtison, NY 11713

NAME: 
ADDRESS: 
CITY/STATE/ZIP: 
AREA CODE/PHONE: 
SPECIAL DESIGNATION: 
SOCIAL SECURITY NUMBER: 
OCCUPATION: 
STUDENT/UNIVERSITY/COLLEGE: 
BIRTHDATE: 
ARMY NATIONAL GUARD
NATIONAL GUARD

© 1980 United States Government as represented by the Secretary of Defense. All rights reserved.
Laura Pitone '91 finds humor in the midst of the contest

"Are you ready?..."

Quite a few machines fall victim to the ditch

A projectile knocks over the can before the arm reaches it

Katie Lilienkamp's machine keeps the arm out of her "backyard"
Aaron Flores '91 looks a little uncertain.

Flores' winning machine.

"Get set..."
Help identify and research emerging technologies. A Boston affiliate of a leading West Coast venture creation (aka seed capital) firm seeks an individual (student, faculty, staff) to assist in identifying and researching emerging state-of-the-art technologies around which new companies can be formed. A technology generalist with proven research and analysis skills who has knowledge of biology, physics, hardware, software, AI, multimedia, lasers, new materials, etc., is preferred. The job consists primarily of library and telephone research. This will initially be a flexible 10 hrs/wk engagement, and could grow if significant results are achieved. Contact Scott at (617) 648-6985.

Experienced Translators Japanese and German Language translations into or from Japanese and German for technical documents. Excellent pay for reliable, accurate work. Positions available for experienced translators. Call Caroline, 617-864-3900.

Summer Jobs Central America Outreach Canvass. 4-10 pm weekdays, Saturday 12-5 pm. $40-$80/day. Full- or Part-time, Summer or Year round. Call Marian at CASA in Harvard Square, 492-8699.

Government Homes from $1.00. "U Repair." Also tax delinquent property. Call 805-644-9533, Ext. 901 for info.

Some long distance companies promise you the moon, but what you really want is dependable, high-quality service. That's just what you'll get when you choose AT&T Long Distance Service, at a cost that's a lot less than you think. You can expect low long distance rates, 24-hour operator assistance, clear connections and immediate credit for wrong numbers. And the assurance that virtually all of your calls will go through the first time. It's the genius of the AT&T WorldNet. When it's time to choose, forget the gimmicks and make the intelligent choice-AT&T. If you'd like to know more about our products or services, like International Calling and the AT&T Card, call us at 1 800 222-0300.

Greg Riley-University of North Carolina-Class of 1989

"I don't want a lot of hype. I just want something I can count on."
It was a busy Spring Weekend...
By HALVARD K. BIRKELAND

THE DOCTOR AND THE DEVILS is not just about anatomists, beggars, murder victims, and a few mislaid bodies during Britain's industrial revolution. It is also a piercing and morbid look at modern society, success, and the price of progress.

The 19th Century's Rock is a passionate teacher and student of anatomy who attempts to attract attention from everywhere. The Academy of Anatomy has grown to such an extent that the supply of raw materials (the bodies) cannot keep up. With little concern for the consequences, Rock figuratively turns to the devil for the progress, and the bodies, that he needs. (Christopher Coon '90 plays Rock with energy and aggressiveness.)

Brozen (Derek Clark '89) and Fallon (Matt McCarty '89) play the devil's pawns, poking holes searching only for their next drink. Although the two begin grave robbing, money is their goal for money, while women quickly consume their souls. Eventually, they misread the poor, the uptight, and the travelers, selling the fresh bodies to the Academy. Clark and McCarty performed as a team with gusto, drawing the audience into their bawdy tavern existence.

The murders go unnoticed — nobody cares that the poor are disappearing — until Rock's fellow anatomist Murray (Bobby Pizanek and John Fogle) finds the chilling, bone-grating scalpel needed for the cold, doury academy and helps capture the warmth and liveliness of the tavern. The intricately detailed set captured the emptiness of Rock's house, the squalor of Fallon's flat, and the warmth of the tavern. The technical ingredients, demonstrably successful, supported the cast but did not dominate.

The staging, however, sometimes intruded. In the first act, the show was carried by the narrators, who upstaged the actors during many of the opening scenes. Fortunately, the narrators' roles diminished by the second act. A downstream stretcher proved too disquieting and again distracted even so, The Doctor and the Devils remains an enjoyable and enlightening production.

A scene from The Doctor and the Devils.

Tuesday, May 9

PLANNING A:

- concert?
- ballet?
- movie?
- book?
- art exhibit?
- opera?

The Tech Arts Hotline

253-1541

On The Town

Compiled by Peter Dunn

THEATRE

May 11

Thursday, May 11

POETRY

Shiela Clavert, reading her poems. The Boston Society of Poets presents the 16th Street Poetry Showcase. The event is sponsored by The Boston Society of Poets, the Charles Street Theatre and the American Poetry Review. 8:30-10:30 pm. Telephone: 594-2180.

EXHIBITS

The Gorton House presents The Figure Eights. The exhibition features the work of 16 artists. 11 am-5 pm, Tuesday-Thursday. Telephone: 536-1542.

Monday, May 8

Wednesday, May 10

FILM & VIDEO

The Boston Society of Poets presents "An Evening with Poets." Two readings: 8 pm and 10 pm at the Alden Memorial Library. Performances are free. Telephone: 436-3442.

Tuesday, May 9

FILM & VIDEO

Saturday, May 13

FILM & VIDEO

The Boston Society of Poets presents "An Evening with Poets." Two readings: 8 pm and 10 pm at the Alden Memorial Library. Performances are free. Telephone: 436-3442.
Musical Theatre Guild's weak Forum is far from funny

By DEBBY LEVINSON

TRAGEDY TONIGHT would have made a fine lead-in for MTG's production of A Funny Thing Happened on the Way to the Forum. The MIT Musical Theatre Guild presented the musical on Friday and Saturday nights, with a matinee performance Sunday afternoon. The production was directed by James Logan, and was held in the Through Street Theatre on the east side of the Undergraduate Building, 12-561. Admission charge varied.

CLASSICAL MUSIC
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
An early design for Papageno which Pamina fears that Tamino — bound to silence at one of his trials — has deserted her. Baker's singing had an enduring pretentiousness, but a heart-piercing directness.

Feelings of sorrow and suffering were communicated with a ravishing vocal sweetness, and consummated by the softly-characterized bassoon and cello. Christopher Kramer's flute, wooden-sounding period flute provided a quintessentially Mozartean sound, but spiritually uplifting, balm. String playing was strong here, too.

As the aria progresses, Pamina turns to B-flat major to recall earlier happiness, making the plunge back to the soul-searching depths of Mozart's most intimate key — G minor — all the more arresting. Baker's evocation here of Pamina's contemplation of death — "so wird Ruhe, so wird Ruh' im Tode sein," — was done with a frightening seriousness, yet a transcending beauty.

If Baker's singing clearly topped the list for female soprano, Stanford Sylvan — as Papagena, Mozart's evocation of the godly-man-in-the-godly-man — showed the greatest appreciation for the beauty of the words he was singing. There were elements of Billy Fischer-Dieskau both in his clarity of articulation and in the illumination of meaning resulting from his diction and phrasing. His voice, moreover, had a fullness and glow to it, which facilitated the individual well-differentiated orchestral voices to reach us on many different levels. Although Der Vogelfänger bin ich ja was effectively spritely; this was a fresh account. Yet, if this performance failed to set special meaning to this Kallmann. This worked well, for the most part, although the acting by the singers as Tamino, they also showed precision in singing and a good sense of phrase.

The Queen herself was sung by Rebecca Sherman. Her Höhle Rache was effectively evoked vantage point of Papageno. And, if her voice, more of an international quality, was mostly from the less rarified vantage point of Papageno. And, if Mozart used the Three Boys' parts performed well by Daniel O'Toole, Ian Zilla and Robert Mancini from the Boston Archdiocesan Choir School at St. Paul's. While singing was in German, dialogue was performed in English, using the wry commentary by W. H. Auden and Chester Kallman. This worked well, for the most part, although the acting by the singers was certainly on the deep levels of Tamino and Sarastro well-sung. But Herbert Eckhoff was certainly nice enough, but lacked sensuality. Although towards the end — in duet with Baker's Tamina — Kelly did become more involved, he remained distant for much of the evening, and his portrayal of Tamino only rarely departed from superficiality.

Listening to Sylvan's Papageno, it seemed that he would have been better suited than Kelly to portraying the sense of both purpose and spiritual earnestness so essential to the role of Tamino.

Darnelle Scarbrough, Marilies Bull and Pamela Dellal sang the Three Ladies of the Queen of the Night, and they also showed precision in singing and a good sense of phrase. The chorus sang strongly. But despite several passages of pure magical music, Banchetto's orchestral performance did not consistently operate at a deep Mozartean level. The sounds were certainly heartfelt, this was a fresh account. Yet, overall, Pearlman was not a great interpreter, doing too little to offer insight into the symbolic and humanitarian aspects of the opera.

Too much attention was paid to the sonic quality, too little to the message those sounds should convey. Recalling the greatness of this production's Ach ich fühl's, one can only speculate on the wonders Pearlman might have wrought with a more mature conception of the score as a whole.

Yet, if this performance failed to set new standards, it was highly enjoyable nonetheless. Mozart operates — and can reach us — on many different levels. Although one would have liked an account on the deep levels of Tamino and Sarastro as well, Pearlman brought us a Magic Flute which was mostly from the less rarified vantage point of Papageno. And, if Pearlman cast Papageno after the feelings of his own heart, in the grand scheme of things, that is valid, too.
Deepest levels of musical experience touched in Killian Hall

Chung-Pei Ma, Joyce Wong, and Jee-Lian Yap

MIT CHAMBER MUSIC SOCIETY
Works by Beethoven, Saint-Saëns and Shostakovich.
Killian Hall, May 8.
KENNETH GOODSON
Baritone, Senior recital,
With Laura Dahl, pianists.
Works by Durante, Donizetti, Schubert, Fauré and Ravel.
By JONATHAN RICHMOND

Only rarely is there a concert in Killian Hall which moves one quite helplessly with astonishment; that touches the deepest levels of musical experience; which is rich with pungent emotional flavor; that has a completely natural sense of chamber ensemble; which is a joyous and renewing experience, at once intimately human and spiritually sublime.

Such a performance greeted the lucky audience who heard Chung-Pei Ma, Joyce Wong and Jee-Lian Yap ’90 in Shostakovich’s Trio for Violin, Cello and Piano, Op. 67 at the conclusion of yesterday afternoon’s Killian Hall concert by the MIT Chamber Music Society. There was no need to attend to the technical level of performance; it was so accomplished, one heard only the music, that message that technique exists to transmit. And that message overwhelmed the imagination.

Chung-Pei Ma’s violin tone, rich and warm, was wondrous as it glided on silk, yet colored with music with fantastic hues and infused with bold character. Joyce Wong drew very intense, beautiful sound from her cello. She dramatically launched into the concerto, her instrument seeming to mimic a disembodied voice; she then proved one with the message that technique exists to transmit. That message overwhelmed the imagination.

Chung-Pei, Ma’s violin tone, rich and warm, was wondrous as it glided on silk, yet colored with music with fantastic hues and infused with bold character. Joyce Wong drew very intense, beautiful sound from her cello. She dramatically launched into the concerto, her instrument seeming to mimic a disembodied voice; she then proved one with the message that technique exists to transmit. That message overwhelmed the imagination.

That message overwhelmed the imagination.

KENNETH GOODSON ’89 may be graduating this year with a degree in mechanical engineering, but he has spent a summer studying German. His approach here, with a gossamer touch. The approach was magical, heightening the rapture of a brilliant performance of Brahms’ Fourth Piano Concerto.

The second movement was the most overwhelming. Axs fingers coasted across the keyboard, creating a transcending lava with a gossamer touch. The approach was not in a refined way, but there was no lack of sensuality. Contrasts were drawn with much imagination.

The concerto began with much heroic bravura; the concluding movement was intensely aloof and imaginatively sung. And was sung superbly. The question central to Wihoan? was also nicely brought out. Ungodshul was characteristic, too.

There were, however, signs of strain at many points during the Schubert performance, and several missed notes. His singing was also, at times, overly aggressive, sometimes to the point of being unpleasant. I have heard Goodson sing German baritone, and this looks like a case of nerves; quite understandable, given the massive challenge of this extremely ambitious program.

Goodson came back after intermission seeming much more relaxed, and provided strong accounts of four songs by Faure and Don Quichotte à Dulcinée by Ravel. Faure’s Cécile De Lame was gently and romantically sung; Prison and Mandoline were both sensitively expressed, and with a complete natural sense of chamber ensemble.

The Ravel was the hit of the evening, with Goodson showing his abilities at coloration and expression. His pronunciation of the words “O Dulcinea” was full of dreamy passion; quite alluringly beautiful.

The Tech Performing Arts Series presents.
SINFONIOA MOZART CONCERT
Sunday, November 17, at 8 P.M.
In conjunction with the Performing Arts Series, a service for the entire MIT community.

Tickets are on sale at the Technology Community Association, W28-430 in the Student Center. Office hours posted on the door.
Call 23-4485 for further information.

The Tech Performing Arts Series, a service for the entire MIT community.

Alex’s romance with lyricism shines through in Brahms

By JONATHAN RICHMOND

EMANUEL AX
 Piano recital,
Works by Beethoven, Schoenberg, Liszt and Ravel.
Symphony Hall, May 3

EMANUEL AX likes the Sibelius because of its predisposition to sing. His romance with lyricism came through masterfully in his performance of Brahms’ Sonata No. 3 in F, the great success of his Symphony Hall recital last Friday.

The second movement was the most overwhelming. Ax’s fingers coasted across the keyboard, creating a transcending lava with a gossamer touch. The approach was not in a refined way, but there was no lack of sensuality. Contrasts were drawn with much imagination.

The concerto began with much heroic bravura; the concluding movement was intensely aloof and imaginatively sung. And was sung superbly. The question central to Wihoan? was also nicely brought out. Ungodshul was characteristic, too.

There were, however, signs of strain at many points during the Schubert performance, and several missed notes. His singing was also, at times, overly aggressive, sometimes to the point of being unpleasant. I have heard Goodson sing German baritone, and this looks like a case of nerves; quite understandable, given the massive challenge of this extremely ambitious program.

Goodson came back after intermission seeming much more relaxed, and provided strong accounts of four songs by Faure and Don Quichotte à Dulcinée by Ravel. Faure’s Cécile De Lame was gently and romantically sung; Prison and Mandoline were both sensitively expressed, and with a complete natural sense of chamber ensemble.

The Ravel was the hit of the evening, with Goodson showing his abilities at coloration and expression. His pronunciation of the words “O Dulcinea” was full of dreamy passion; quite alluringly beautiful.

The Tech Performing Arts Series presents.
SINFONIOA MOZART CONCERT
Sunday, November 17, at 8 P.M.
In conjunction with the Performing Arts Series, a service for the entire MIT community.

Tickets are on sale at the Technology Community Association, W28-430 in the Student Center. Office hours posted on the door.
Call 23-4485 for further information.

The Tech Performing Arts Series, a service for the entire MIT community.

Tickets are on sale at the Technology Community Association, W28-430 in the Student Center. Office hours posted on the door.
Call 23-4485 for further information.

The Tech Performing Arts Series, a service for the entire MIT community.
Lack of energy afflicts 'til tuesday Spring Weekend concert

'Til Tuesday
May 5 at the Johnson Athletic Center.

BY ALFRED ARMENDARIZ
and PETER PARNASSA

IN A SHOW THAT PROVED TO BE A MELANGE OF TWO DIFFERENT STYLES, 'TIL TUESDAY PERFORMED AT THE JOHNSON ATHLETIC CENTER FOR MIT'S ANNUAL SPRING WEEKEND CONCERT.

The band played the first half of the show on acoustic instruments, weakening the electricity that the songs have on the band's records. Aimee Mann's excellent voice prevented the first half from becoming dull or predictable, but she seemed to be the only one on stage trying to connect with the crowd. The band, though talented and humorous to watch, perhaps should have concentrated less on jokes and more on music. As the show progressed, the band loosened up, turned up the volume on their instruments, and chose more appealing songs. The second half showed that the band can really rock when it wants to — I only wish that they had done so sooner.

Mann opened the show with two new songs which she performed on an acoustic guitar. She was accompanied by a member of the opening act on piano and pan flute. The rest of 'til tuesday joined her on stage for a gentle, acoustic rendition of "(Believed You Were) Lucky" from their most recent album Everything's Different Now. "Will She Just Fall Down" lost some of the energy that it had on Welcome Home as the band tried a little too hard not to get in the way of Mann's voice. Then they played a mixture of new and old with "I for Julie" and their latest single "Rip In Heaven" (both from the current album) and "Coming Up Close" and "Have Mercy" from Welcome Home.

"The Other End (of the Telescope)," a song written by Mann and Elvis Costello, lacked fire when performed live even though it is perhaps the best and most moving song off of their new album. Despite this misstep, 'til tuesday gave the crowd a taste of what was to come with an intense version of their hit "Voices Carry" to close the first half.

The show changed dramatically with the first of their four encores. The crowd came alive and really began to cheer when the band turned up both volume and tempo for "What About Love" and "Everything's Different Now." They used their new-found energy in playing some great cover versions, including the Hoodoo Gurus' "Death Defying." With the energy 'til tuesday displayed during the second half of the show, one can only wonder why they played so timidly at the beginning. The band should have chosen a better selection of songs to open the show instead of relying solely on Aimee Mann's voice to pull them through.

Had the band opened the show with the intensity they displayed in the second half, MIT would have heard a truly excellent show, not just half of one.
Claude Chabrol's homage to Hitchcock better than most

Based on the novel by Patricia Highsmith. Starring Christophe Malavoy and Odile Barski. Plays Thursday and Friday, at 5:30 and 7:30pm, at the Museum of Fine Arts. Directed by Claude Chabrol. Based on the novel by Patricia Highsmith, the film tells the story of a man named Robert (Christophe Malavoy) who has moved from Paris to Vichy during his divorce proceedings. While drawing owl illustrations for scientific textbooks, Robert spies on a young woman named Juliette (Matsilda May). Juliette senses that someone is watching her, but she conceives her fears when she confronts Robert. She soon begins to pull aside her flanc to pursue Robert, who retreats from her advances after Patrick angrily threatens him. The resulting conflict among the three lovers eventually leads to mysterious gunshots fired in the dark, an apparent murder, a definite suicide, and a curious climax.

The plot summary shows that the film could easily have degenerated into a slash
er film, an absurd romantic-triangle comedy, or perhaps a violent melodrama. Fortunately, Chabrol does not permit this to happen; rather, he creates a fascinating if unresolved subplot that keeps casting an ever so slight doubt on the sanity of the characters, and Robert in particular.

Like Hitchcock, Chabrol understands that creating suspense is more effective than shocking viewers, and so Robert reveals early on that he once had a curious breakdown and pointed a loaded shotgun at his sleeping wife. This creates an eerie tension because Robert currently acts like the most rational people would: he goes to the police after Patrick physically attacks him and cooperates fully when the police subsequently investigate Patrick's supposed death. Christophe Malavoy's restrained, almost detached, acting is particularly instrumental in conveying the subtitle, once that Robert has recovered from his breakdown.

At the same time, Chabrol infuses his film with a visual motif consisting of three components, all of which are based on owl iconography. The basic goal of all three components is to create a gripping sense that Robert's mental balance is an unstable one. The first way Chabrol does this is to show Robert working in rooms with large pictures of beady-eyed and sharp-beaked owls on the wall — a rather unusual, if not particularly informative choice.

Secondly, Chabrol adds the housing of an unseen owl onto the soundtrack in the opening and closing sequences of the film. In both sequences, characters (Juliette in the first, Robert in the last) make an important and dangerous, and irrevocable choice. The owl hoots highlight a key difference between Juliette's decision and Robert's. The effect during the opening scenes is more or less causal and routine. The owl hoots at the film's end, however, help make the climax much more dramatic: Robert, making his decision, the film passes on a shattering freeze-frame, four or five owl hoots are heard, and the film fades to black.

The third component of Chabrol's visceral motif consists of rare en scene based on the perspective of an owl. Owls have to move their entire head (which can rotate a full 360 degrees) if they want to look in a different direction, and they tend to stare without blinking for large periods of time. Chabrol translates these facts into unusual shot compositions and camera movements. For example, Chabrol shows characters engaged in conversation with typical over-the-shoulder shots. However, he tends to hold to a single perspective without switching back and forth between speakers, thereby evolving an owl's stare and penetrating gaze. On at least one occasion, Chabrol includes a tracking shot that duplicates the likely flight trajectory of an owl: the camera flies into the air from a tree and comes to rest beside a dead body lying in a field of grass.

Clearly, Chabrol's own imagery and mental stability metaphor is elaborately constructed, and it is by far the single most interesting element of the film — which is, paradoxically, its fundamental problem. As a whole, the film is not very satisfying precisely because the motif has been thoroughly relegated to the background. The motif is effective enough to raise the film above the usual psychological thriller, but it is not sufficient in and of itself to raise the film's impact to that of Hitchcock's Vertigo (1958) or Psycho (1960).

What's worse is that Chabrol ends the film just as the most final and decisive break to the foreground. Certainly, Chabrol's ending does avoid the silly and pat restoration of the moral order that concludes so many Hitchcock films. However, Chabrol offers nothing better instead; the film simply ends. Consequently, the film would work well as a prequel to a future thriller, but the film is more problematic on its own.

Chabrol is more successful in emulating a Hitchcockian psychological thriller, since his film is definitely more noteworthy than its borrowings from Fatal Attraction and Body Double. Having made Le Cri du Hibou, Chabrol can rest easy knowing that he has built on the strengths of Hitchcock's work while avoiding Hitchcock's worst excesses. Of all the filmakers who have followed in Hitchcock's footsteps, Chabrol is the one who has come closest to improving the original.
MIT Coop At Kendall 2nd Anniversary Celebration Sale!

NEW RELEASES

AT VERY SPECIAL PRICES

THE COOP'S VALUE PACKED PRICES MEAN YOU NOT ONLY GET GREAT SAVINGS, BUT KNOWLEDGEABLE, FRIENDLY SERVICE, TOO.

$11.99 CD'S

Love And Money
Strange Kind Of Love

The Wonder Stuff
The Eight Legged Groove Machine

Michelle Shocked
Short Sharp Shooked

Waterfront

$6.99 LP/TP'S

Waterfront

Bobby Brown
Don't Be Cruel

Tom Petty
Full Moon Fever

Big Bam Boo
Fun, Faith & Fairplay

Jody Watley
Larger Than Life

Pixies
Doolittle

Bob Mould
Workbook

The Cure
Disintegration

The Zulus
Down On The Floor

Throwing Muses
Hunkpapa

Joe Jackson
Blaze Of Glory

Indigo Girls

Terri Lynne Carrington
Real Life Story

MIT COOP AT KENDALL
3 CAMBRIDGE CENTER
M-F 9:30-7 THUR 'TIL 8:30
SAT 8:15-9:45

COOP CHARITY, MASTER CARD, VISA AND AMERICAN EXPRESS ARE WELCOME!
FREE PARKING AT KENDALL, 2 HRS M-F 1 MEMORIAL DRIVE PUB. GARAGE OR AFTER 5 WEEKDAYS AND ALL DAY SAT AT CAMBRIDGE CENTER GARAGE.
WITH RECEIPT SHOWING $5 MIN. COOP PURCHASE, VALIDATE AT CASHIER'S DESK AT THE COOP.
It took Galileo 16 years to master the universe.

You have one night.

It seems unfair. The genius had all that time. While you have a few short hours to learn your sun spots from your satellites before the dwindling of your vision.

On the other hand, Vivarin gives you the definite advantage. It helps keep you awake and mentally alert for hours. Safely and conveniently. So even when the subject matter's dull, your mind will stay razor sharp.

If Galileo had used Vivarin, maybe he could have mastered the solar system faster, too.

Revive with VIVARIN:

Natalya Negoda and Andrei Sokolov in a steamy scene from Little Vera.
**Monday, May 15**

Robert Q. Mahoney will give a lecture entitled "Can We End The Cold War? Would We Try?" on Monday, May 15 from 7:45-10 pm at the Sanders Theatre, Harvard University, at the corner of Quincy and Kirkland Streets. For more information, call (617) 497-1552.

**Wednesday, May 17**

Paula Gould, Secretary of Consumer Affairs and Business Regulation, will speak on "Bridging the Gap: Consumer Protection with a Health Respect for Business" on Wednesday, May 17 from 8:30 am to 10:30 am at the Sanders Theatre, or via US mail to "News Notes, The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139." Notes run on a space-available basis only; priority is given to official Institute announcements and MIT student activities. The Tech reserves the right to edit all listings, and makes no endorsement of groups or activities listed.

**Tuesday, May 9**

The Department of Electrical Engineering and Computer Science has scheduled a meeting for Course 71 sophomores to discuss admissions to Graduate School, Graduate Financial Aid and Employment prospects. The meeting will be Tuesday, May 9 at 4 pm in 24-456. For more information, call (617) 354-008.

**Wednesday, May 10**

There will be a lecture entitled "O.R.: Experience & Preparation" on Wednesday, May 10 from 8:30 am at the Massachusetts Archives building off Morison Blvd., Dorchester.

**Friday, May 12**

Dr. Harold Edgerton will give a lecture entitled "Sonar Experiences" on Friday, May 12 at 4 pm in 20-514. The lecture is presented by the Department of Ocean Engineering.

**Sunday, May 14**

Natax Assault and Ames Center will speak on "Constitutional Law in the Middle of the Ocean" on May 14 at 7:30 pm at옴 Nineteen嗲d. The discussion will be held in the Common Room, 22-101. A $3 donation is suggested. For more information, call (617) 354-9008.

**It's never too late to join**

---

**MUSICAL THEATRE GUILD PRESENTS**

**A FUNNY THING HAPPENED ON THE WAY TO THE FORUM**

---

**Tuesday, May 9**

The Mobilization for Israel will host a dinner on the US and the Israel-Palestinian conflict. The course will be Saturday, May 20 from 7-10 pm at the Central Square Library in Cambridge, 45 Pearl Street. For more information, call (617) 338-3000.

**Monday, May 22**

There will be a discussion on Soviet Re- pressions followed by the Beth Israel Hospital. A plastic surgeon and patients will lead the presentation on Monday, May 22 at 7 pm in the Grossman Conference Center at Beth Israel. For more information, call (617) 732-4413.

---

If you’ve worked hard on it, make it show!

Your term paper or resume deserves high quality laser printing.

The Graphic Arts Copy Center in W20-028 provides full graphics-oriented Macintosh II Workstations with color monitor, laser printer, and scanner. Rent use of system for 15-minute intervals—reserve time or use on a first-come, first-served basis.

**Also in the Copy Center:**

- Self-service copying 24 hours per day.
- Full service copying by our operator from 8 am to 5 pm, including GBC and Velobinding.
- FAX Service—we can send or receive material anywhere in the world.

Graphic Arts Copy Center
Location: Stratton Student Center in Room W20-028.
Phone: 258-7375 or 258-7376.
Softball beats Elms, ends season

(Continued from page 28) Blazer(s) made one mistake that hurt them," MIT Coach Jean Heiney said. "We just made the plays."

Heiney praised rightfielder Laura Brader '89, who has hit very well in the last two games and made "the best catch of her career" in Friday's contest, which was the last of her career. Elms tried to battle back, but MIT restrained them to one run in the fourth, fifth, and sixth innings. The Engineers picked up an insurance run in the bottom of the sixth to complete the scoring.

The team ended the year with a 9-6 record in New England, and a 3-5 record on their Florida road trip. All of their losses have been at the hands of only four teams, Heiney noted.

Lacrosse beats RW

The lacrosse team won 19-14 at Roger Williams College on Saturday. Team stars Dave Chang '89 and Phil Kim '89 are now fourth and sixth, respectively, in Pilgrim League scoring statistics. Chasing and sixth, respectively, in Pilgrim League scoring statistics. Chasing

The New England basketball coaches Association recently named the men's team the most improved in New England; the Engineers, who were 11-15 last year, finished at 14-8. Head Coach Lou Osgood was named coach of the year by the Association.

Compiled by Harold A. Stern, Michael J. Garrison, and the Sports Information Office

**SPORTS**

**Crew has frustrating regatta**

(Continued from page 28) crew teams lost to their opponents from Dartmouth College and the University of Wisconsin at Madison in the Cochrane Regatta on the Charles River last Saturday.

The varsity record now stands at 0-9. The Engineers have had a frustrating season, losing to opponents which they should have beaten (such as Columbia University and US Coast Guard Academy), according to heavyweight coach Gordon Hamilton. However, Saturday's races showed that the Engineers were rowing cleanly.

Racing conditions on Saturday were less than ideal. The water was rough, almost unrowable and the cross wind occasionally gusted up to 40 mph.

The MIT varsity heavyweight eight suffered visibly as they went into the middle 1000 meters. Errors made by MIT during the first 400 meters to keep even weren't enough in the strong crosswind, enabling Dartmouth and Wisconsin to make very effective use of their weight and leave MIT behind. Wisconsin won the race in 6:28.2 while Dartmouth finished second in 6:35.4. MIT finished last in 6:42.4.

The JV had similar troubles with the racing conditions. Even during their starting stroke, the Engineers were quickly left behind as soon as they settled into the race. Dartmouth and Wisconsin began the long contest for the lead.

Near the 1000-meter mark, Wisconsin's four-man crew caught a boat-stopping, over-the-head crab and gave Dartmouth a fourteen-seat lead. The Badgers recovered quickly and were once again even by the 1500-meter. MIT gained some distance on Wisconsin but wasn't close enough to regain contact with the leading boats.

Dartmouth edged out Wisconsin to win the race in 6:57.7. Dartmouth's time was 6:57.3; MIT finished a distant third in 7:00.0.

The third varsity eight did not race in the regatta, instead they competed against Harvard's third varsity lightweight eight. However, their race proved the most exciting during the day, trading the lead by a bow ball with the Crimson crew.

The "dead heat" result (the boats were even as they crossed the finish line) proved how well MIT rowed. MIT took the lead at the start. Harvard's lightweight eight refused to give up the lead so easily, and the two boats began to pull away the lead on every stroke. MIT executed two perfect power moves against Harvard during the third 500 meters but still couldn't pull away.

The arduous fourth 500 meters were also closely contested. Every surge made by MIT was answered by Harvard; the two bows crossed the finish line at the same time.

The first freshmen eight raced against Dartmouth and was completely outrowed. MIT was left behind to row their own race after having kept contact for the first 400 meters. Dartmouth won the race in 6:52.5 while MIT finished in 7:04.5.

The men's heavyweight and lightweight teams will travel to Lake Quinquagandah to compete in the Men's Eastern Association of Rowing Colleges Squads Championship next Sunday, May 14. The heavyweights then will travel to Syracuse, NY, to compete in the Intercollegiate Rowing Association Championship in June.

The Office of Minority Education invites you to

**TGIF. & OPEN HOUSE**

**The RACHEL PAPERS**

When: Fridays, 4/28, 5/12
Where: The OME, Room 7-143 (x3-5010)
Time: 4-5 p.m.

Charles' computer file can tell him everything there is to know about Rachel—except how to get a date.

**STARTS FRIDAY, MAY 12th.**
Poor weather mars NE Championship Regatta

By Ash Tan Vu

The women's crew teams traver-
sed to Lake Quinsigamond in
Worcester to compete in the
women's New England Cham-
pionship Regatta last Saturday,
May 6, only to have the regatta
rescheduled for Sunday due to
high gusting wind and rough wa-
ter. The racing conditions were
barely workable on Sunday, so the
regatta officials called off the
race as races with only a few
events completed.

Among those events canceled
were the varsity eight's, JV
eight's, and novice eight's and
four's. Each event had at least
one heat and/or a final. MIT
made it to the finals in all three
events with the novice four op-
typing their race, bringing in the
only satisfying moment during
the frustrating weekend.

Despite the almost unworkable
conditions, the novice four got
out their opponents from the
University of New Hampshire,
University of Massachusetts, US
Coast Guard Academy, and
Wesleyan College. They broke
open water after the first 30
strokes of the race and simply
crowed off with the win.

Rowing for the four were
Jennifer Hill '92 (stroke), Barba-
ra Sigmund '92, Rachel Hargre-
's, and Cynthia Holcroft '92
(bow). In '92 coxed. MIT's varsity eight easily de-
feated their opponents from
Wesleyan Polytechnic Institute,
Simmons College, and Tufts Uni-
versity in their qualifying heat.
According to varsity coxswain
and team captain Tracy Ross,
'89, the eight left their opponents
behind after the first 500 meters.

Rowing was more of a factor
than usual as the wind gusts
delayed the race and caused
several boats to capsize, includ-
ing UMass. They broke open wa-
ter after the first 20 strokes of
the race.

The varsity eight was deter-
mined to win. They rowed off
their opponents from earlier
heat and the second and third
finishers from their own heat.
This proved insurmountable for
MIT; it would have been bet-
ter if they had been placed among the faster qualifiers.
According to UMass, Wesley-
ian, and Wellesley College.
The start went well despite the
officials' decision not to use a
shark boat. MIT kept up with
the three faster shells for its first
ten high strokes, using a twenty
strokes high start. However, MIT
did not settle well and lost some
time to UMass, Wesleyan, and
Wellesley. By the 500-meter
mark, UMass had pushed their
lead to one length while Wesleyan
had gained four seats on MIT.
Wellesley had also taken a set
up on MIT.

Having won against Wellesley
two weeks earlier in the Brunei-
ville Cup on the Charles River,
the varsity eight was determined
to give their best. MIT kept up with
Wellesley's pace during the
distance. They made sev-
eral unsuccessful moves during the
next 1000 meters to shorten the
lead held by Wellesley, only to
be put in a position by their oppo-
cent. By the 1700-meter mark,
Wellesley had lengthened their
lead to a four-seats.

Coming into the sprint during
the last 500 meters, the varsity
eight brought their rating up and
shortened the distance down to
one seat behind Wellesley as they
covered the finish line. UMass
and Wellesley placed second.

Roanas explained that the crew
had trouble keeping their 34
moving. Due to the strong
headwind during the race. The
crew was able to bring their
speed down to a 32 and had to be
to hand back up by the

Race officials rescheduled the
race to Saturday. They were
forced to complete as a final
when the weather deteriorated
by late morning. The wind was pick-
ing up, and white caps were rac-
ing down the length of the lake.
Regatta officials considered can-
celing the races and actually
cancelled the fixture. They
called an unscheduled event and
announced several boats who
didn't have a race.

The JV eight final was eventual-
ly scratched since the crew
from UMass protested the race,
citing confusion made by the of-
icials who were calling the outs
in the race. UMass left only after
protesting, preventing another
match.

The contested final was eventu-
ally raced, and Wellesley edged
out UMass, followed by MIT and
WPI.

The women's crew teams will
have a rematch against Wellesley
College this Saturday, May 13.
They will then travel to Lake
Waramaug in Connecticut on
May 20-21 to compete in the
Women's Eastern Association of
Rowing Colleges Sprints Cham-
пи#$

Men's crews fare similarly

The MIT men's heavyweight
(Please turn to page 25)
Kelly also gave Singh's a good chance to win in the ninth inning, and he speculated that the 4x400 relay team might take home a victory if placed in one of the nation's top six teams. Kelly said that the team goal for this year was to place inside the top five.

It was a rigorous week for Singh, who is still sore after having competed in 18 events over the past seven days — the decathlon and four other events at Williams as well as four at the Greater Boston Championships last Sunday.

At the Division III Championships, Singh was benched in the second game of the deciding series against the Engineers, and he came on in relief of Patterson in the bottom of the eighth.

In the Brandeis loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.

In the Brands loss, pitching was the main problem. MIT pounded out 12 hits, including a home run from Day (his fourth of the season) and Scott Williams' first this season. Unfortunately, the Brandeis attack was too much for the Beavers and they lost 12-7.

Day popped out to the shortstop. Murray walked and Murray walked, and the game ended 5-4.
By Michael J. Garrison and Harold A. Stern

MIT swept victory in Saturday's New England Division III Outdoor Track and Field Championships, setting new meet records for highest score and winning margin. The Engineers scored a whopping 150 points (Brandeis was second with 69) led by Bill Singhose '90 with 26 points and Boniface Makatiani '90 with 25.

New England
Div. III Championships
at Williams

By Shawn Mastrian

Many Engineers qualified for nationals in the meet, including: Mark Dunzo '91, Singhose in the decathlon (6806 points, first place); both the 4x400-meter relay (Doug Wright '89, Dave Arpo '89, Dave D'Angelo '90, and Tim Collins '89) and the 4x400-meter relay (Curtis Potts '89, Dave Arpo '89, Tim Collins '89, and Mike Wright '89); the decathlon (Dave Wright '89, Doug Arpo '89); the pole vault, which he won Saturday by clearing 4.29 meters; Scott Deering '89 and Mike Pepergerd '89, who qualified for nationals (3:52.15, first, new MIT freshman record); and Mike Pipeclo '89 with 25.

Singhose had previously qualified for nationals in the pole vault, which he won Saturday by clearing 4.29 meters. Scott Deering '89 had also previously qualified in the hammer throw — his performance Saturday of 53.88 meters was good for second place.

Some Other Wins

The Suffolk game started out strong with the Rams bolting out to a 4-0 lead after four innings. This should come as a surprise to no one, since it is customary for the Engineers to stake their opponents an early lead before mounting a late-inning charge. Sloppy fielding was to blame this time, as all four runs were unearned.

The Engineers finally scored in the sixth inning. With two outs, Pillan Thirumalai '89 singled to left. Mike Wright '89 then attempted to sacrifice, but was caught stealing second. Tim Collins '89 started the inning by walking (he walked twice in the game) and was out at second. However Tim Collins '89 struck out, and the rally was held to just the one run.

MIT went right back on the attack in the sixth inning. With two outs, Cote walked again.

By Shawna Mastrian

Despite three late season losses, at the hands of Curry College, Suffolk University, and Brandeis University, the baseball team still remains in the hunt for a playoff spot. They have improved their chances of competing in post-season play for the first time since 1974 by beating the Newporters, 4-1, and now they can wait for the verdict of the selection committee.

The Suffolk game started out strong with the Rams bolting out to a 4-0 lead after four innings. This should come as a surprise to no one, since it is customary for the Engineers to stake their opponents an early lead before mounting a late-inning charge. Sloppy fielding was to blame this time, as all four runs were unearned.

Mark Dunzo '91 (right) hangs on to Boniface Makatiani '90 in the 4x100m relay last week.

Baseball defeats Salve Regina

Ho, Brown to play in nationals

Sports Update

Ho to team up with Brown

Two MIT men's tennis player, Kai-Yee Ho '89 and his doubles partner Brian Brown '89, have qualified for the NCAA Division III National Tournament, the tournament, which will be held in Kahaloomo, MI, will be May 14-17.

Ho, who is ranked 30th nationally, will compete in singles. Ho and Brown, ranked 14th as a pair, have qualified for the doubles contest. MIT as a team is ranked 13th nationally and number two in New England (behind Brandeis University).

Softball ends with victory

By Marc Wutrich

M.I.T. scored four runs in the bottom of the third to take the lead, 5-3, in the opening game against Salve Regina.

The softball team ended its season Friday with a 5-3 victory over the team from Elms College. The Engineers scored four runs in the bottom of the third to take the lead, 5-3, in the opening game against Salve Regina. He struck out ten of his opponents.

(Please turn to page 27)