City council to vote on Simplex re-zoning plan

By Katie Schwartz

The Cambridge City Council has advanced a re-zoning plan for MIT's Simplex property to the final stage. A vote is scheduled for Monday, with some councillors saying they may introduce last-minute amendments to cut the amount of development on the site.

Approval would pave the way for MIT's $125-million "University Park." This mixed-use proposal is the most successful of many attempts in the past 20 years to rename the former factory site.

MIT supports the re-zoning package—a compromise worked out between two different arms of the city council—but will object, as the landowner, to any further restrictions on development, stated a letter to the City Council from Wayne McLean, assistant to the chairman of the MIT Corporation.

The Institute has filed an objection as a "lodge" against any "strong or interference" in its right to control the property, and will withdraw the application if the package remains as it, McLean explained in an interview.

MIT knows how to complicate the negotiations among the stakeholders, said architect Robert P. Steinbergh, a member of the council. "We know how to make the process illegal if the councilors say they may refuse to vote for the plan if their concerns about traffic congestion and housing are not met.

Councillor Alice Wolf, who voted against sending the bill to the final vote, denied that she was "adulterating the group's philosophy." This is the most complicated zoning and related package in city history," she observed. Part of the plan for the Simplex site would involve altering nearby streets: Wexford expects 1200 cars to arrive at the site every day the day it is built. As of Wednesday afternoon, she reported, she said she did not have an estimate of how many development sites the city would pay for them.

Councillor Samuel Gershon, according to the Chronicle, thought that 100 housing units on the site should be exclusive for families making half the Boston area median income, and believed the traffic guidelines of the re-zoning package were too vague. Councillor Michael Whiteguard added there was saying, "If I don't get answers about housing and traffic, then I see trouble ahead.

On the other hand, the Chronicle reported that Mayor Waker (Please turn to page 2)

Perelman named new writing director

By Betty Prater

Leслиe Jaffe, assistant to the chancellor of the Institute Writing Program, has been appointed to the position of assistant director of the Writing requirement program. This change was proposed by the group chaired by the chairman of the Writing Requirement in the spring of 1984. Jaffe replaced Richard E. Wexford as coordinator of the Institute Writing Program. According to Jaffe, his role was a shift in responsibility evaluating the student's ability to find a piece of work or concern planning two important changes that will take effect next fall. The first is "not universal, but particular case," in which the philosophy of the writing requirement program will be adminstered on behalf of the College of Education, "where it should be." As part of this shift, phase II papers will no longer be evaluated by the writing requirement department.

Wellesley cross-registration declines

By Sally S. Varat

The number of MIT students participating in the MIT-Wellesley cross-registration program has fallen significantly, according to Mary Z. Entwistle, director of the Wellesley Exchange. One hundred and seventy MIT students took 180 Wellesley courses this fall, but only 40

Forrester model predicts economic downturn

By Jonathan D. Potter

The United States may be at the onset of a major economic downturn, according to Professor of Management Jay W. Forrester '45. In The American, 1987-88 James R. Killian, Jr. Faculty Award. Forrester said his work in system dynamics suggests that the nation may be headed for a serious downturn. Forrester and his colleagues at the Sloan School of Management have been pioneers in the field of system dynamics for the past 20 years. System dynamics is a method of developing models to describe how the parts of a system—social, biological, or physical—interact with the rules that govern that system in order to produce certain observed behaviors.

For example, a bicycle and its cyclist, including the mechanical parts and rules of operation, can be modeled to compute a relatively simple system. In the same way, system dynamics can be applied to social systems, economic problems, etc., Forrester said.

The Sloan School's System Dynamics Group has been developing a dynamic model of the national economy, according to Associate Professor John D. Sterman Ph.D.' 82, a member of the group. The System Dynamics National Model contains "over 1900 economic and decision-theory variables," Forrester said.

Economic indicators such as growth, unemployment, and inflation, are the so-called "parts" of the national model, Forrester said. The group uses computer models to simulate the complex behavior of the system (Please turn to page 13)"
Simplex zoning plan nears vote

(Continued from page 1)

Sullivan and Councillors Sheila Sullivan and Councillors Sheila
Russell and William Walsh will support the package unamended.
Obstacles to the re-zoning package arose last month when the city's Planning Board came into conflict with the Community Development Department, which drafted the package in cooperation with Forest City, MIT's developer for the site. The Planning Board called for a 25 percent lower ceiling on development, claiming the project would bring traffic congestion and pollution; a compromise was reached and sent to the council in mid-December.

In the last week of December, two councillors said the revisions were too complex and the petition should be refiled, which would delay it up to three months. But on Dec. 28 the council voted 6-1, with two abstentions, to send it to a "second reading," i.e. a final vote, at its next meeting.

Tenting point in 20-year saga

This vote is one of the last steps in the breaking of a long stalemate over the development of the 27-acre area. MIT has owned the Simplex site since 1969, but did not name a developer until 1983. The re-zoning proposal is the concrete outcome of a Blue Ribbon Committee report to the council a year ago, which outlined recommendations for the entire Cambridgeport Industrial District, including Simplex.

Neighborhood activists have fought MIT for two decades, claiming that too many new high-tech professional jobs would drive rents up and disrupt the adjacent blue-collar community. Over the years, MIT has agreed to include housing on the site, with some reserved for low- and moderate-income tenants.
MIT plans to build a $250 million "University Park" including commercial space, research and development, light industry and housing on the site of the old wire and cable factory, which is now zoned for industry only. The re-zoning would create a new zone allowing mixed use, with a maximum set on development.

The proposed zoning ordinance specifies:
- 2.4 million square feet of development which must include at least 400,000 square feet of housing and at most 3 million square feet of commercial development.
- A minimum of 400 units of housing of which 100 must be for low-income families and 90 for moderate-income families.
- A maximum of 1700 vehicle trips to and from the development per day.
- 100,000 feet of open public space.
- The project will be reviewed at two intermediate stages of development, and must have certain numbers of housing units at these reviews.

The Planning Board is empowered to block building permits if traffic and housing requirements are not being met.

Hush little baby

don't you cry.
If someone doesn't do something, you'll just die.

Be a Peace Corps volunteer

This space donated by Peace Corps

$1200

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Then, add the ImageWriter II printer, and you'll produce crisp, impressive copies to prove it.

So whether next semester will have you writing sonnets or composing business plans, wrap it up on a Macintosh.

Then let the bragging begin.

MIT Microcomputer Center Room 11-209
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US joins in anti-Israel vote

For the first time since 1981, the United States has joined with 79 other members of the UN Security Council in a vote against Israel. The Security Council last night unanimously asked Israel not to deport Palestinians from the occupied territories. In recent weeks, the Reagan Administration has been voicing its unhappiness with Isra-
el's handling of the riots in the Gaza Strip and West Bank. At least 24 Palestinians have been killed.

In 1981, the United States voted to condemn Israel's bombing attack on an Iraqi nuclear power plant and for imposing Israeli law on the Golan Heights.

Riots in occupied territories continue

The Israeli army said shots were fired at Palestinian prisoners and sixரon Monday. The army said five soldiers were injured in stone-throwing incidents. Israeli troops have killed 24 Arabs in the wave of violence that began in the occupied territories on Dec. 8.

Hijackers admit guilt

Five Palestinians who are on trial in Pakistan have ad-
mited taking over a Pan American jetliner. Their admit-
tion came in a statement read by a lawyer at their trial yesterday. Four of the five are accused in the takeover itself; one is accused of masterminding it. The statement said they denied an American-owned airliner to Pakistan to draw attention to Palestinian demands. But the Palestin-
ians called upon Palestinian commandos for the deaths.

Commission reviews Central American plans

An international commission arrived in Costa Rica Monday to begin checking whether a Central American peace plan is living up to expectations. Costa Rica is the only one of the five nations the commission is checking on the peace plan. The commission will visit Nicaragua, El Salvador, Guatemala, and Honduras before returning to the presidents that signed the Central American peace accords last summer.

Crew of ill-fated ship too frightened to fire
to fight fire

One of two crewmen ordered on the ship collision near the Philippines said yesterday he and his shipmates were too terrified to fight the fire that followed the crash. He told a marine board of inquiry there was firefighting equipment aboard the tanker, but little effort was made to fight the fire that followed the crash.

Accused terrorist appeals

for hostage release

An Arab on trial in a kidnapping case appealed yester-

day for the release of a West Germain who is held hostage in Beirut. In a statement read by his lawyer during the opening of his trial in West Germany, Abbas Ali Hamadi also denied any role in the kidnapping of that hostage or another German who was later freed. Hamadi is accused of seizing the hostages in Beirut as a ransom for his brother, Mohammad Ali Hamadi, who faces a charge of hijack-
ing a TWA jetliner in 1985.

USSR likely will not

boycott Seoul Olympics

It is becoming more and more likely there will be no Soviet-led boycott of the 1988 Summer Olympics sched-

uled for Seoul, South Korea. Although a final decision will not be made until next week, Marat Gramov, the top Soviet sports official and head of their Olympic commis-

sion, emphasized Monday that the Soviets were plan-

ning on attending both the summer games and the up-

coming Winter Olympics in Calgary, Canada.

Soviets move against unfair

psychiatric confinement

The Soviet news agency Tass reported Monday that the Soviet government is making it a crime to commit a healthy person to a mental hospital. New measures set up specific guidelines for psychiatric confinement. The report made an accusation of complaints that the government has used such confinement against political dissidents.

Carlucci tours Gulf

Defense Secretary Caspar Weinberger began his first tour of the Persian Gulf on Monday. Arab leaders reportedly will meet him in Baghdad Wednesday. At the start of the trip, a State Department official said the tour was planning on attending both the summer games and the up-

coming Winter Olympics in Calgary, Canada.

West German employee killed in Paris

A West German embassy employee was shot to death on a Paris sidewalk early Monday. There have been claims that the embassy employee'socoln was of Israeli law on the Golan Heights. Police said an envelope in the embassy employee's office outgrowths contained a threat.

News roundup

from the associated press wire

World

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Nation

Candidates receive federal funds

Monday was pay day for a dozen presidential candi-
dates. They each got $25 million in federal matching funds to the candidates. But the candidates had to meet the largest check — $4.8 million. Moun-

tain Gove, Michael S. Dukakis lead the Democratic
candidates with $3.4 million.

Republican Pat Robertson said it was with reluctance that he accepted more than $4 million in federal campaign money. He said he's still opposed to federal matching funds — but decided to take the money just in case he needs it to stay competitive.

Oil spill threatens water supplies

Utility workers are trying to patch together systems that will remove water to Pittsburgh suburbs. A diesel fuel spill over the weekend has contaminated the Monongahela and Ohio Rivers. Some drinking water from these rivers have to be bottled wa-

ter. In Wheeling, WV, which draws from the Ohio, offi-
cials are getting ready for a possible shutoff.

Test problems force shuttle delay

National Aeronautics and Space Administration offi-
cials said Monday that the future of a rocket satellite con-

tainer during a test last month likely will force a delay of six-to-ten weeks in the first post-Challenger space shuttle mission. That could push the resumption of flights to late-August.

Government beefs up AIDS budget

Health and Human Services Secretary Jack Kemp said he will not say how much money they are requesting for AIDS research until next week. The New York Times reported yesterday that HHS Secretary Orrin Bowen has requested $1.1 billion, a twenty percent increase from what it is this year's budget.

Frontiers of dentistry: dissolving cavities

There is a new technique in dentistry that patients seem to like but dentists may be slow to accept — dissolving cavities. A study has found that patients would rather have their cavities dissolved by the new drug Carisalix rath-
er than have them drilled. But the study says dentists haven't taken to Carisalix because drilling is part of their professional identity.

Local

Legislature ends session

without gay rights action

The Massachusetts legislature has wound up its 1987 session on the fifth day of 1988. The session ended at midnight last night. Among the bills that have to be re-
filed at the start of the next session is the controversial gay rights bill.

Flynn starts second term

Boston Mayor Raymond Flynn was sworn in for a sec-
term of office on Monday. He called for greater atten-
tion to neighborhood programs and affordable housing in his inaugural address. Flynn also cited a need for in-
creased job programs, in which the state will invest more money for neighborhood projects. He detailed a plan to offer jobs for Boston high school graduates.

Weather

Brrrr... 


Wednesday: Clear and still very cold. Low 0-10°F (-20°C to -20°C).

Tuesday: Very cold with bright sun. Highs 10-15°F (-20°C to -20°C).

Monday: Very cold with bright sun. Highs 5-10°F (-20°C to -20°C).
Column/Simson L. Garfinkel

Serving exile in the Big Apple

NEW YORK — in the waters of the Hudson I laid down and wept, I remembered Cambridge.

For the past four months, I have been living in exile in the Big Apple. I didn’t choose to live in New York; I chose to go to graduate school at Harvard. I knew the city would be bad, but I didn’t think it would be hell.

I didn’t get university housing. Priority in the Columbia graduate housing system is based on how far you live from New York when you apply — the further you live, the higher your priority. Boston just doesn’t cut it. I have friends from Colorado who didn’t get housing.

The first month, I lived in the sublet den of a 42-year-old co-op caller at 48th and West End Avenue. She had dropped out of college in the 1960s to escape New York. The summer for $14.00 per year. Third Class by Third Class in another unannounced early morning raid.

The worst chapter in the city is spending millions of dollars on shelters. This is in a city that gives hundreds of millions of dollars in tax credits to builders of office buildings and luxury condominiums. For the past four months, I have been living in exile in the Big Apple.

She didn’t need to work, since she only paid $300 a month for a 2-bedroom, rent-controlled apartment. New York is like that. I didn’t have a lease. When I told her I was moving out, she had her lawyer call me up and threaten a lawsuit. New York is like that too. I’m told that such rent-controlled rentals are not typical in the city.

On my way home each night, three or four people would ask me for money. New York has nearly 100,000 homeless people and nearly an equal number of vacant apartments owned by the city. New York has always been a city of excess.

When a slum lord fails to pay taxes and the city takes possession of an apartment building, it breaks up the whole out the plumbing and the electrical system and does its best to make the building uninhabitable. Ostensibly, the practice keeps drug addicts from using the building. It also keeps the homeless from taking it over.

Can’t have the homeless living in abandoned apartments when the city is spending millions of dollars on shelters.

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To the Editor:

I have followed the case of Adam L. Danko '89 with great interest. Unhappy with the ruling, I am especially dismayed by the letter from Harvey A. Silverstein of the Civil Liberties Union of Massachusetts ["CLUM applauds Dershowitz ruling," Dec. 4]. It is naive for Silverstein to assume that any group in power is going to change in pursuance of pleasure by "encouraging free and vigorous debate on the subject within the MIT community."

A number of our individual rights are balanced against the needs and desires of other individuals. Those who are in power set the standards. Men have been setting the criteria for "acceptable" activities for many generations and then protecting those activities, such as pornography, with ideas such as "right to free speech" or "freedom from censurability."

It is time to remind some of these people that they are wasting their power at the expense of exploitation and oppression of other people. It is a sick mind — or one interested in flexing its muscles — that challenges a policy by exploiting other people.

Discussion about pornography has too long been caught in the terms of "freedom of expression." But pornography is exploitation and abuse, in its production, sale, rental, and viewing. Its discussion must take place in the context of discussions about justice and power and how no person should be held up as an object of exploitation and abuse.

Pornography should not be tolerated with recognitions such as "oh, boys will be boys" or "you don't have to watch if you don't want to" or "they're only having a good time."

No one has the right to the exploitation of others. I hope that out of this "free and vigorous debate" will come a policy that will hold up under the scrutiny of lawyers and will help students and the rest of the community proud to be a member of the MIT community.

Barbara A. Peterson
Student Programs Coordinator
Alumni Association

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Wall Street

To the Editor:

According to Director of Career Services Robert K. Weatherall ["Career office changes student interview policy," Dec. 4], the "changing ambitions of MIT students" is leading to the changing of interview policies. The implication here is that the rural backcountry, and that the roads to pieces and railroad design (2.70) and Project Daedalus (9.40) are much in demand on Wall Street as a whole seems to be a concern of MIT students simply because they find themselves as much in demand on Wall Street as in Detroit or Pittsburgh. I only hope everyone enjoys the charmed branch on the upper deck of the Titanic.

Steve Semken 

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SOFTWARE ENGINEER

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While New York has more subway problems than most other cities because New York has the largest city subway system. The New York subway represents 10 percent of the world subway market. Nothing else even comes close.

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In 1940, I was a young man of 27. I asked him about the dangers of living there. "You mean we're going to be blowing things up?" I asked. He has developed a cough from the dirt and chemicals in the air. A month ago, the EPA announced that it was rolling back the deadlines for New York (and several other cities) to reduce smog. The subway is just as bad on the streets as it is indoors. And then there are the special New York hazards. I spent an afternoon talking to a subway conductor. He said the metal dust in the air from the trains turns his nose black.

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NARRATIVE FAULTS SAVED BY JOY OF LILLIAN GHISH AND BETTE DAVIS REUNION

THE WHALES OF AUGUST

Directed by Lindsay Anderson. Starring Bette Davis, Lillian Ghish, Vincent Price, and Anne Sothern. At the Nicholsford Theater.

BY MANAVENDRA K. THAKUR

WHEN TWO SCREEN LEGENDS like Lillian Ghish and Bette Davis appear together in a film like The Whales of August, it is virtually impossible not to take notice. The problem when stars of this caliber collaborate together is, of course, that respect and admiration can easily degenerate into heroine worship. While it is necessary to retain a healthy awareness and appreciation of the past, each individual performance and film should be evaluated on its own merits. Even accepting that premise, however, it is difficult to criticize The Whales of August without appearing heartless or insensitive. Given all the odds and barriers against such a film being made in the first place, the fact that The Whales of August was completed is a minor miracle in its own right. And yet, it must be acknowledged that such a feat by itself isn't necessarily enough. This film is more of a codex or a resurrection of the careers of Ghish and Davis, rather than a crowning artistic triumph of the skills of two remarkable actresses. While it is a sheer joy to see Ghish and Davis back on the screen, their return is less than satisfactory due to failures in the narrative vehicle.

The film continuously develops its premise and introduces its characters, with dramatic conflict arising only in its final third. The script, adapted by David Berry from his own stage play, concerns Sarah (Lillian Ghish) and Libby (Bette Davis), two elderly sisters who have, without fail, spent the past 60 summers together in the same house on an island near the coast of Maine. Their favorite pastime since childhood has been to watch for whales that appear each year late in the summer. Their chemistry with the other actors is somewhat staid at a few points in the film, but it is always believable and in several moments quite touching.

Gish and Davis both shine in their roles during these parts, doing contrasting personalities complement each other quite well. Their chemistry with the other actors is somewhat staid at a few points in the film, but it is always believable and in several moments quite touching. When Sarah cautiously leans over to pick up an item that has fallen to the floor, it is almost heartbreaking to realize just how old and frail she really is and the toll caring for her inner must have taken. Similarly, when Libby is first seen, she almost looks like a ghost with her long flowing white hair and dark beady eyes. But instead of appearing frightening or startling, Davis makes Libby endearing and strangely sympathetic, even as she macabrely brushes her cheek with a lock of her long-deceased husband's hair.

However, instead of simply letting this sensitive portrayal speak for itself, the filmmaker decides to spread the most fascinating aspects of their character study. They make the all-too-typical mistake of trying to inject drama and plot into the course of events. Libby keeps insisting to Sarah that their lives are over, although, ironically, the very vehemence with which she makes this proclamation belies her faith and shows the life remaining behind those unseen eyes. Sarah, to the other hand, must decide whether she will risk her commitment to care for her sister or whether she will leave Libby in the unwilling care of her rich daughter. This conflict is, however, a wholly transparent one.

Lillian Ghish and Bette Davis in The Whales of August.

Lillian Ghish and Bette Davis in The Whales of August. Davis has fought tooth and nail much of her way through Hollywood, and Ghish has always been scoffing and forgiving, so too is the appropriately named Libby Strong an acerbic, independent, and abrasive companion to the kindly Sarah Webber, whose happy spirits are rarely perturbed. After Sarah and Libby are first seen, the supporting characters are introduced and developed one by one. All of them fit into the elderly stereotyoe of enjoying a quiet and passive existence without much direction or interest in life. With a plethora of scenes describing their day to day activities, the filmmaker's introduction of the supporting cast into the flow of the film creates an intelligent and three-dimensional depiction of the relatively isolated lives Sarah and Libby lead together on the island.

Gish and Davis both shine in their roles during these parts, doing contrasting personalities complement each other quite well. Their chemistry with the other actors is somewhat staid at a few points in the film, but it is always believable and in several moments quite touching. When Sarah cautiously leans over to pick up an item that has fallen to the floor, it is almost heartbreaking to realize just how old and frail she really is and the toll caring for her inner must have taken. Similarly, when Libby is first seen, she almost looks like a ghost with her long flowing white hair and dark beady eyes. But instead of appearing frightening or startling, Davis makes Libby endearing and strangely sympathetic, even as she macabrely brushes her cheek with a lock of her long-deceased husband's hair.

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(Please turn to page 11)
A delightful recital from John Oliver's two choristers

YUE/GOODSON RECITAL


PRO ARTE


BY JONATHAN RICHMOND

John Oliver knows how to work wonders with the human voice. Hot on the successful Killian Hall debut of his MIT Chamber Chorus, two of his choristers — Cheney Yue G (also in the Tanglewood Festival Chorus) and Kenneth Goodson '89 gave a delightful recital, accompanied by An-Na Liu at the piano.

Yue's supple soprano shone out during the afternoon's opener, Purcell's Sound the Trumpet. Colloquium was rendered with an appreciation of the music's intricacy and beauty and with grace. Goodson, meanwhile, contributed a firm baritone: the two went well together.

Purcell's Lost is My Quiet was sensitively sung, with an intimate sense of pathos. Goodson followed with selections from Schubert's Die Winterreise, Op. 89. He demonstrated an affinity for the words of the text, pronouncing the German with clarity and an understanding of its meaning.

Goodson has a voice that can wax lyrical to illuminate the beauty of each word. At the same time, he understands the importance of discipline, and has the control to generate suspense. The feeling of desperation, the urgency generated in Erstarung, was particularly notable.

Cheney Yue sang Fii, chi sapete from Le Nozze di Figaro predictably, but blandly. There was none of the electric boyish eroticism, none of the painting of a cherub sighing for the impossible love of a Countess. But in Le Spectre de la Rose from Les Nuits d'Eté by Berlioz, Yue came into her own, showing surprising maturity in an involved and beautiful performance. There were fine shades of coloration, too, in Faites-lui mes aveux from Gounod's Faust, underlining the meaning of the text with a glowing expressiveness.

The official ending of the concert came with La ci darem la mano, a seduction scene from Mozart's Don Giovanni. It was nicely sung, but rather too cutely. Goodson acted the diffident youth, rather than the experienced lecher. Vocaly he seemed to be more of a Schubertian dreamer than a Mozartian womaniser.

Up to this point An-Na Liu had been providing a close and attractive accompaniment. For the encore, Summertime, by Gershwin, Goodson took the pianistic driving seat, propelling Yue into a radiant rendition of this much-loved work. Her singing was full of suggestion; she provided a tour of the piece, providing views from many angles and leaving everyone feeling warm about John Oliver's two talented students.

ARRY HILL'S PRO ARTE CHAMBER ORCHESTRA is one of Boston's musical treasures, so it is tough to have to report that their final concert of 1987 was a disappointment.

Perhaps part of the problem was that the work on offer, Haydn's The Creation, had been given the ultimate euphoric treatment during the Boston Early Music Festival the previous summer, and Hill's presentation, though good, simply paled in comparison. The fact is, though, that I left Sanders Theatre unmoved, struck with the overall flatness of the performance.

Jayne West had put in some lovely lines, but the other soloists, Frank Kelley and John Osborn, seemed unable to enter into the spirit of the piece. And there was little sense of interaction between Osborn's Adam and West's Eve.

The Back Bay Chorale appeared to be on good technical form, but uninspired: they read the notes, but not between the lines. The orchestra played well, too, with some moments of delight, particularly from the woodwinds. The ensemble was, nonetheless, too subdued for the most Part, unwilling or unable to enter into the effervescent world of Haydn's jubilant music.

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Steven Spielberg's *Empire of the Sun* fails to live up to its powerful potential


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**ARTS**

By MANAVENDRA K. THAKUR

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Tickets are on sale at the Technology Community Association, W20-470 in the Student Center. Office hours posted on the door. Call x3-4885 for further information.

The Tech Performing Arts Series, a service for the entire MIT community, from The Tech, MIT's student newspaper, in conjunction with the Technology Community Association, MIT's student community service organization.

Muted but surprisingly effective film style from director of Whales

(Continued from page 8)

because both the filmmakers and the audience know that Sarah realizes what her only acceptable choice is. Thus, efforts to create suspense and drama simply unraveled and fell flat.

The filmmakers' failure in this approach is all the more striking since they separate the essential questions facing Sarah and Libby completely from the other characters. It is Libby, and not Sarah or any other character, who allows the conflict to be smoothly resolved. This virtual indifference of the supporting characters to the drama reduces the conflict to a hackneyed, obligatory, and insulting level, especially considering how roundly all of the characters are portrayed. Director Lindsay Anderson and Berry would have accomplished a great deal more if they had subordinated the film's conflict into the character portrayal rather than bringing it to the forefront so clumsily.

On a technical level, the film does have a few minor errors. For instance, the lighting scheme is inconsistent from one shot to the next, and, in at least two instances, the technical trickery used to overcome visual or acting defects is apparent. But these are relatively minor flaws, and the film of Gish and Davis back at work overwhelms them that do appear.

The one worthy of comment is the iconic style of the director. Anderson is aware that the emphasis of this film is properly on the actors, and he accordingly tones down the cinematic devices. The result is quite conventional but surprisingly effective. Particularly representative of this is the film's pro-poor sequence in black and white. It depicts Sarah, Libby, and Tisha in their childhood, waiting and watching for whales on the same island. The film then dissolves from a black and white image of a bell-ringing buoy in the harbor to a full-color image of the same bell more than half a century later. This is a rather obvious technique, but it manages to convey at once both the passage of time as well as the sadness and calm of the island's changing features. The rest of the film is photographed in the same restrained yet skillful style. Anderson deserves credit for maintaining his sensitivity to the cinematic devices. The result is a film that can be easily overlooked by another director. Also noteworthy in the face of the crepitating influence of video is his use of the entire 1.85 frame to full effect.

What Anderson deserves the most credit for, however, is the reunion of audiences with Gish and Davis. Directing is hardly ever an easy task, and Anderson's courage in agreeing to direct a film fraught with so many possibilities for mishap must be recognized. His film does offer many memorable pleasures, which fans of these two legendary actresses will no doubt appreciate. Gish and Davis are two of the few remaining stars who warrant enough respect to enable audiences to indulge the glaring narrative faults of the film's script. Still, it is unfortunate that these two luminaries of the silver screen are forced to rely on their capital already deposited with audiences, rather than demonstrating their considerable talents to a new generation of viewers. It is only fair that Anderson and Berry bear the bulk of the responsibility for that failure as well as the lion's share of accolades for returning Gish and Davis to their fans.

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Perelman accepts writing post

(Continued from page 1)

staff. Instead, each department will be responsible for evaluating the papers of its own students.

Secondly, Perlman is working on writing projects. He will revise the courses in which sophomores and juniors take Phase II of their writing requirement. Currently, courses which satisfy the Phase II requirement only teach the content of Phase II material. In the future, these texts will also provide instruction on how to effectively present that content in prose.

Although Perlman intends to do everything in his power to help students fulfill their writing requirement, he is adamant that seniors who do not finish the requirement on time will not graduate. A few seniors have asked him if they could meet the established deadlines for turning in papers were allowed to "squeak by," according to Perlman.

This spring deadlines will be rigorously enforced, Perlman said.

Perelman has noted that, as a general trend, each entering class is filling the writing requirement "more than adequately" by senior year.

Forrester predicts recession in US

(Continued from page 1)

system.

A Sloan professor on the national model has led the researchers to hypothesize the existence of economic "long waves," also known as the Kondratiev cycle. The long wave represents a periodic rise and fall in economic growth phases, which are roughly separated by some 45-60 years, Forrester said.

Forrester believes the cycles emerge in the model according to the innate rate of technological progress in the national economy as well as the resulting change in the American economy. According to Forrester, the "pattern of years" between the writing interest and apprenticeship is included in the model, as is a consumer's decision whether or not to purchase a new house.

By contrast, most standard economic models use statistical approaches, producing cycles accurately, Forrester said.

Perlman has developed a simplified version of the national model in the form of a computer game. An economic long wave emerges in the game despite the players' actions that could result in a rational decision making. Nearly ten years have passed, and in fifty cases, whether the player was "right" or "wrong," the game's result was the same, Perlman said.

The object of the game is quite simple: to maintain a balance between capital production and consumption. Consisting of about twenty rules, the game accounts for about 90 percent of the national economy as depreciation (10 percent per year) and production and time (ten years). This requires the player to increase or decrease the flow of new capital each simulated year in accordance with expected consumer demand.

At the start of the game, the player is informed that consumer demand varies. Yet, in truth, the demand level increases only once to initiate a small imbalance. After that, the player finds himself incapable of ever maintaining a balance. Instead, the game cycles in and out of overproduction and underproduction, Perlman said.

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These skills are analogous to the basic skills, strength and coordination that a superb athlete will learn in preparation for a lifetime of competition, skills that will serve him in a variety of different sports. For the scientist or engineer the heart of the learning process is finding and solving interesting problems. This is as true if the subject is quantum physics as it is in managing a company. With proper mentoring, the mental struggle of dealing with a difficult and important problem results in the development of mental skills that cannot be learned in any other way and that are applicable to a wide range of new situations.

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Tufts deals Engineers 7-1 loss

By Peter Dunn

The MIT men's hockey team finished the 1987 year on a disappointing note, losing its last game to Tufts on Thursday, Dec. 16. The only uplifting note was that MIT lost the contest not because of a lack of effort but because of sheer bad luck.

The Engineers left behind the lethargy they had shown against Southern Maine in their previous home game, and the final tally of the 7-1 loss hardly reflected the gusto and perseverance with which they played.

Although the MIT players started the game slowly, they kept Tufts from running away with the game in the early going. Tufts had the upper hand but the game in the early going. Tufts started the game slowly, they kept MIT rendered their opponents' far up the ice on transition, and the Engineers being caught too energetic as they were caught too far up the ice, but caught resulted from rough and tumble play sometimes a little too energetic play (sometimes a little too energetic as they were caught too far up the ice on transition, and Tufts converting on the resulting two-on-one break.

Despite MIT's tight playing, the game got out of hand in the second period, both in terms of goals and penalties: Tufts scored three unanswered goals and six penalties were awarded in the last five minutes of play.

All of Tufts' three goals came from loose pucks near the front of the MIT net, pointing to an area the MIT defense needs to work on. But the real heartbreak came at the other end of the rink; the Engineers' hunger for a goal was evident from their energetic play (sometimes a little too energetic as they were caught too far up the ice on transition, and Tufts converting on the resulting two-on-one break.

Tufts scored its goals on quick drives up the wings as the now frustrated Engineers had a little trouble keeping pace, and the MIT squad could not convert on several other power play opportunities.

Perhaps the MIT squad lacks manpower (certainly for the meta two lines of defense which does triple time moonlighting on power plays and penalty killing), but continued hard work — such as that shown in their last game of the first term — and a few breaks falling MIT's way, will inevitably lead to victories against tough teams such as Tufts. The frustrating 7-1 loss to Tufts was less than — a frustrating loss — than a brief look at some good things yet developing.

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- Dr. Unger ’69 is Vice President and Chief Operating Officer of Datacube, Inc., a digital signal processing systems company. He is also co-founder and vice-chairman of the M.I.T. Enterprise Forum and has been a founder/officer of several technology-based companies.
- Ms. Plantholt GM ’71 is a Senior Investment Analyst at Massachusetts Technology Development Corporation.
- Mr. Kelley is Managing Partner of Zero Stage Capital Equity Fund of Cambridge.

Monday, January 11

Room 9-150

1:00pm
STARTING AND RUNNING A COMPANY: THE INSIDER'S VIEW
- C. Wayne Griffith, Chairman, College Counsel, Inc., and former President of Xylogics Corp.
- Frank Manning '70, President and Founder, Zoom Telephonics, Inc.

Tuesday, January 12

Room 9-150

1:00pm
PLANNING AND FINANCING THE BUSINESS
- Venture Capital and Other Financing Alternatives for the Startup Company
  - Michael E. A. O’Malley, Investment Analyst, Massachusetts Technology Development Corporation and Paul M. Kelley
- Creating the Business Plan
  - Barbara A. Plantholt

Wednesday, January 13

Room 9-150

1:00pm
MARKETING AND SALES FOR TECHNOLOGY BASED PRODUCTS
- Principles and Practical Approaches
  - James H. Geismann, President, Market Share Inc.
- Sales Lessons They Never Taught Me in Business School
  - Kenneth F. Morse '68, President, RDM Enterprises

Thursday, January 14

Room 9-150

1:00pm
JOINT VENTURES BETWEEN SMALL AND LARGE COMPANIES
- Richard C. Laflin ’68, Executive Vice President, Medical Market Specialties and former Manager of Business Development, Johnson and Johnson Co.
- RESOURCES FOR THE ENTREPRENEUR: FINDING GOOD PEOPLE AND ADVICE
- Building Your Management Team: Finding and Motivating Business Partners and Employees
  - Glenn J. Walters, President and Founder of A. D. TECH, Inc.
- Creating and Effectively Utilizing a Board of Directors
  - Dr. Judith B. Obermayer, Director, MOLECULON Inc.
- Formal and Informal Resources within the MIT Community
  - Paul E. Johnson, National Director, MIT Enterprise Forum

Friday January 15

Room 9-150

1:00pm
PROTECTING YOUR TECHNOLOGY: Patents, Trade Secrets, Relationships with Previous Employers, and Other Issues Concerning Intellectual Property
- Barry D. Rein ’60, Partner, Pennie & Edmonds

2:00pm ★★ LIVE ★★
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Panel: Barry Unger, Paul M. Kelley, and Betty F. Kadis, President, JL Clark Associates and Co-founder and former President of Wakefield Software Systems, Inc.

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