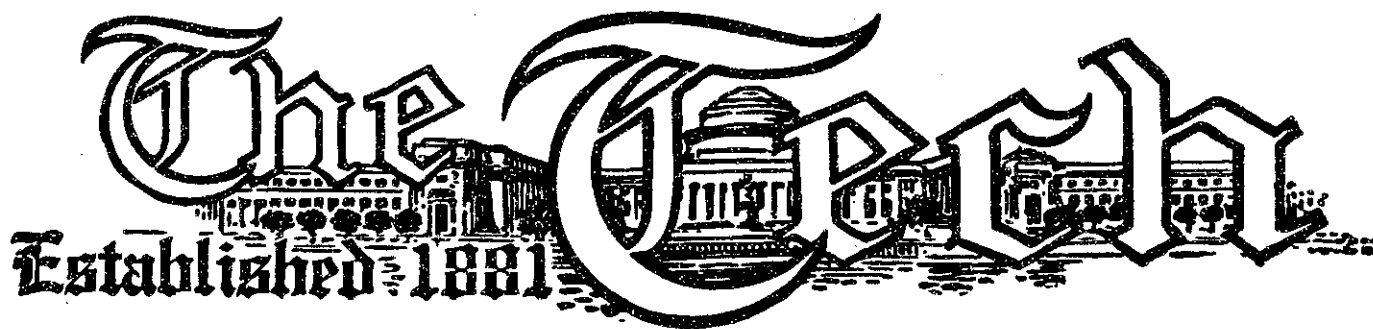


MIT's
Oldest and Largest
Newspaper



The Weather
Today: Partly sunny, 86°F (30°C)
Tonight: Clear, dry, 64°F (18°C)
Tomorrow: Chance of rain, 80°F (27°C)
Details, Page 2

Volume 113, Number 30

Cambridge, Massachusetts 02139

Wednesday, July 21, 1993



Sheila E. Widnall ScD '64

Widnall Nomination Expected Soon

By Eva Moy
NEWS EDITOR

President Clinton announced his intention to nominate Professor Sheila E. Widnall ScD '64 to be the Secretary of the Air Force July 2. If confirmed, she would be the first woman to head one of the military services.

Widnall is currently associate provost and professor of aeronautics and astronautics at MIT.

"I am very proud to be making this announcement," Clinton said in his announcement. "Sheila Widnall

is a woman of high achievement — a respected scientist, a skilled administrator, and a dedicated citizen. I am confident that she will do an outstanding job of guiding the Air Force through this period of post-Cold War change."

Nomination timetable unknown

Although Clinton's announcement came on July 2, the actual nomination and confirmation processes take much longer. Thus, the schedule of events is not entirely clear.

Currently, Widnall is in Washington, D.C., receiving briefings to "get her up to speed on the state of the Air Force," according to Major Connie Custer from the Air Force press desk.

Widnall is also paying courtesy calls to the 22 members of the Senate Armed Services Committee, who will investigate her background and make a recommendation to the full Senate, Custer said. After a 24-hour grace period, the full Senate will vote on her nomination.

There are many obstacles hold-

ing up this process. First, the White House has not sent the paperwork to officially nominate Widnall. Second, Congress will close session after August 6 and reconvene after Labor Day.

"There's a possibility that if the White House sends the paperwork in the next few days and if everything works" Widnall can be confirmed before the recess, Custard said.

Although Widnall has never

Widnall, Page 8

90 Spaces to be Available In Huntington Hall This Fall

By Eva Moy
NEWS EDITOR

In an effort to relieve undergraduate dormitory crowding, MIT expects to sign a one-year lease for part of a dormitory at 620 Huntington Avenue in Boston within the next week or two, according to Arthur C. Smith, Dean for Undergraduate Housing and Student Affairs. The Institute also expects to need to rent the dormitory for a second year, Smith said.

The dormitory, called Huntington Hall by MIT, has 150 rooms distributed over five floors; MIT is renting 90 of these rooms. The other two floors will house students from the Massachusetts College of Art.

Huntington Hall is currently known as Baker Hall, but MIT changed the name to avoid confusion with another MIT dormitory, Baker House, according to Smith.

MIT will be renting these rooms from MCA, which in turn is renting the entire building from the Wentworth Institute of Technology with the intention of purchasing it in two years, according to Smith. MCA hopes that with the revenue from renting to MIT, it will be able to buy, and then renovate, the dormitory.

With rent set at \$750 per term, MIT will not break even on this deal. In fact, the Institute will lose "a reasonably significant amount," said Andrew M. Eisenmann, assistant dean for Residence and Campus Activities. However, MIT is willing to absorb this loss to relieve the undergraduate housing crunch.

In addition to the low rent to attract MIT students, "Students who live in the dorm for one year are guaranteed return housing after that, as long as they are eligible for undergraduate housing," Smith said in the memorandum. "Students who live there for two years will be guaranteed one of their top two choices for MIT housing, as long as they are eligible for undergraduate housing."

As soon as a contract is negotiated between Director of Special Services Steven D. Immerman and MCA, Senior Vice President William R. Dickson is expected approve it in time for the fall term.

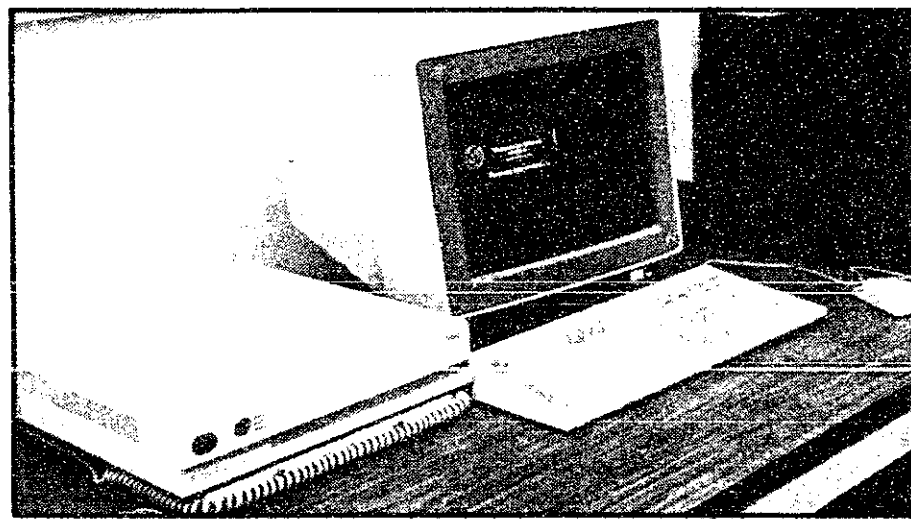
Students must respond by July 28 to an information mailing sent last Friday to reserve a room at Huntington Hall. The housing office will wait until these returns before making further decisions, according to Eisenmann.

Distance may be an issue

The main attraction for students will be the low rent, Eisenmann said. Rooms cost \$750 per term as singles, about one-half of the cost of other dormitory rooms. If two students opt to live in a room as a double, each student would pay only \$375 per term.

Smith is presenting the dorm's location as another incentive. "While you will live farther away from the Institute, you will be closer to students from other schools and be able to meet new people," according to the memorandum he signed. "It's an opportunity to have the independence of living off

Dorm, Page 8



New Athena workstations are in place in Building 2

Athena Upgrades To SPARCs, DEC's

By Michael A. Saginaw
ASSOCIATE NEWS EDITOR

Old computers never die; they just become the butt of jokes by MIT students. That is the fate in store for the IBM PC-RTs that comprise 20 percent of the Athena computer workstations.

During the remainder of the summer and the fall, Information Systems (IS) will replace the outdated computers from 1989 with Sun SPARCclassics, IBM RISC System/6000 Power-Station 220s, and Personal DECstation 5000 Model 25s, which are all about 10 times faster. The IBM and DEC computers are already familiar sights in Athena clusters, but the Sun machines are new. The upgrade is part of the standard IS program to replace computers after they have been in service for four years, according to Gregory A. Jackson, director of Academic Computing.

All three computers have 24

megabytes of Ram and at least 400 megabyte hard drives. They all use augmented brands of the UNIX operating system. The IBM machines use an operating system known as AIX and the Sun computers use Solaris. Both will continue to be adequate operating systems in the near future. But the DEC machines use Ultrix, which is "definitely on its way out," Jackson said. For that reason, MIT has bought very few new DEC 5000s this year and will not buy many in the future.

DEC VAXstation 3100s will also be removed from public clusters by Independent Activities Period. The VAX 3100s in Hayden Library are especially high on the list to be replaced, according to Jackson.

Way beyond capacity

IS closely monitors how many unique users log on to Athena every

Athena, Page 9



YUEH Z. LEE—THE TECH

This is the Huntington Avenue side of MIT's future dorm, Huntington Hall.

Daily Confusion To Appear In The Tech

The Tech will publish the full text of *The Daily Confusion*, the guide to Residence/Orientation Week events, on the back page of daily editions during R/O Week. This effort is in cooperation with the Office of the Dean for Undergraduate Education and Student Affairs. The ODUESA will continue to publish separate editions as in past years.

INSIDE

- Religious groups to move to W11; W2 may be used as housing. *Page 8*
- Sea Grant's human-powered submarine places third. *Page 9*
- MIT joins in Bay State Games. *Page 11*

WORLD & NATION

Clinton Nominates New York Judge Freeh to Head FBI

NEWSDAY

WASHINGTON

President Clinton nominated New York federal Judge Louis Freeh to head the FBI Tuesday, moving quickly to replace William Sessions after taking months to force the former director from the job.

At a Rose Garden news conference, Clinton said, "It can truly be said that Louis Freeh is the best possible person to head the FBI as it faces new challenges and a new century."

Calling the former FBI agent and federal prosecutor "experienced, energetic and independent," the president predicted that Freeh, 43, "will be both good and tough — good for the FBI and tough on criminals."

After introducing his wife and their four sons, Freeh said, "At its bedrock, the FBI must stand for absolute integrity, be free of all political influence, be free of any racial or other bias and work solely in the public interest."

Freeh, a Jersey City, N.J., native who recalled wanting to become a FBI agent as a young boy, said, "Our country must be made safe again," adding that children and young people "all too often are now trapped in virtual war zones controlled by vicious criminals."

Administration and congressional officials expect Freeh to be confirmed quickly by the Senate. Sen. Alfonse D'Amato, R-N.Y., told reporters: "He (Clinton) made a great appointment here. This will instill tremendous confidence" within the FBI.

Post Office Scandals Move Focus To Internal-Management Issues

THE WASHINGTON POST

WASHINGTON

House Democratic leaders tried for more than a year to shift public attention from its own affairs to the business of writing laws, but new evidence of embezzlement at the House Post Office has turned the focus back on internal-management issues.

Speaker Thomas S. Foley, D-Wash., said he found "deeply distressing" Robert V. Rota's courtroom admissions that he illegally gave several House members cash for postage vouchers during his two decades as the House's elected postmaster. Rota, who resigned last March, pleaded guilty Monday to three misdemeanors and agreed to cooperate with federal investigators.

"Well, obviously I am surprised by the extent of them and distressed by them," Foley said of Rota's allegations. "You know, I have a deep concern that the public confidence in the House needs to be strengthened."

Republican leaders, as they did last year amid the House Bank and Post Office scandals, pressed for the disclosure of confidential documents to distance themselves from any instances of wrongdoing.

"Public disclosure, like with the bank thing, is the best thing to do," said Rep. Pat Roberts, R-Kan., who participated last year in an internal investigation of the post office.

Roberts, for instance, said House leaders should release the numbers of 19 postage vouchers cited in court papers as ones that Rota exchanged with "Congressman A" and "Congressman B" for more than \$30,000. The dates, amounts and descriptions of the vouchers match those of Ways and Means Committee Chairman Dan Rostenkowski, D-Ill., and former Rep. Joe P. Kolter, D-Pa.

"No comment," Rostenkowski told reporters before going to a White House lunch, where he sat next to President Clinton. Rostenkowski, a leader of House negotiators on Clinton's economic package, indicated he was following lawyers' advice to remain silent about Rota's allegations.

WEATHER

A Dry Slot

Forecast by Marek Zebrowski

STAFF METEOROLOGIST

Northwesterly flow will bring a refreshingly dry airmass to our area for the next few days. Brisk and at times gusty winds will result from a large pressure gradient between a stationary high pressure ridge in the middle of the country and a large cutoff low over northern Maine and the Maritimes. This low will rotate colder and unstable air down towards the central and western New England, causing considerable cloudiness from midday on with an added chance of scattered afternoon rainshowers and thunderstorms.

Southern New England and the Cape should enjoy more sunshine amidst batches of cumulus clouds drifting from west to east over the northern horizon. This particular weather pattern is forecast to hold until Friday at least; should the upper low over the Maritimes track eastward, the high pressure ridge will move in, ushering much warmer and more humid conditions for the weekend.

Today: Partly sunny, breezy, high of 86°F (30°C). Winds west to northwest, 15-25mph (24-40 kmh).

Tonight: Clear, dry and comfortable. Low of 64°F (18°C) with fresh northwesterly breezes.

Thursday: Partly sunny, continued windy with a slight chance of widely scattered afternoon showers and thunderstorms. High around 80°F (27°C).

Thursday night: Partly cloudy and pleasant with a low about 66°F (19°C).

Weekend outlook: Friday: Fair with highs of 80-85°F (27-30°C). Saturday: Sunny, warmer and more humid. Highs 85-90°F (30-33°C). Sunday: Hot and humid with afternoon thunderstorms likely. Highs in low 90s (32-35°C).

Cape Cod weather: Wednesday through Friday: Sparkling sunshine, dry, breezy with unlimited visibility under cloud-dotted skies. Highs 75-80°F (24-27°C), lows 60-65°F (16-18°C). Weekend: Partly to mostly sunny, warmer and more humid with highs 80-85°F (27-30°C). Chance of thunderstorms late on Sunday. Surf temperatures 60-65°F (15-18°C).

Mississippi Crests Higher, Thousands Urged to Flee

By Dean E. Murphy
and Louis Sahagun

LOS ANGELES TIMES

ST. LOUIS

The Mississippi River heaved toward a new and higher crest Tuesday, hurling more floodwater into a tributary and through a levee on the south side of town as police shouted through bullhorns urging thousands to flee.

The river, bent around St. Louis like a comma, swept a torrent of backwater into the River Des Peres for a second time in three days. The floodwater broke through a 12-foot span of sandbags on a levee and poured into south St. Louis, much of it already drenched and devastated.

Crews ran to the dike and repaired it. At 6:30 p.m., the floodwater burst through again. This time it overwhelmed sandbags in four places along two miles of the levee. It swamped houses, buckled streets and burst a half a dozen utility mains. Tap water was contaminated. Raw sewage rose in uncounted homes.

To the northwest, Des Moines, Iowa, hoped to begin restoring its water service Wednesday. Taps and hydrants have been dry since flooding damaged a water plant 10 days ago. Refilling 810 miles of pipe was delayed by "water cheaters," who turned on faucets Monday and drained a half million gallons before the system repressurized.

After six weeks of flooding in the Midwest, the death toll stood at 31. Damage ranged to \$10 billion. Relief for part of that seemed to be in sight. The House Appropriations Committee in Washington approved a request by President Clinton for \$2.48 billion in flood aid and added \$500 million. Clinton has said he might ask for more.

Following a day of general sunshine, weather in several states

turned bad. Hail and rain pelted Missouri. At one point, two inches fell at St. Louis in an hour. Storms raised the danger of new flooding in parts of Kansas and Nebraska. Forecasters at WeatherData, Inc., predicted heavy rain in western Illinois.

At 7 p.m., the National Weather Service forecast a 47-foot crest in the Mississippi River near St. Louis during the night. Hydrologist Tom Dietrich said the crest might reach 47.1 feet from the river bottom early Wednesday. That would be two-tenths of a foot — or more than two inches — higher than a record crest overnight Sunday.

The St. Louis flood wall stands 52 feet tall, so the central city and the base of its Gateway Arch were expected to be safe. Downstream in south St. Louis and below, however, the threat was considerable. "It is hold your breath for the next 24 hours," Dietrich declared. "It is touch and go until this river settles down."

The Army Corps of Engineers said the surging crest would be the highest on record along 100 miles of the river and could topple levees as far south as St. Genevieve and Cape Girardeau, Mo., where National Guard troops and volunteers rushed to shore up their river walls.

Jean Rissover, emergency operations spokeswoman in St. Genevieve, said the historic town was trying to stockpile sandbags. "A small hole of 10 to 20 feet in the levee about 12 miles from here last night took 5,000 bags to fill," she said. "That shows you the kind of stockpile we think we need."

In south St. Louis, authorities said the normally timid River Des Peres was overwhelmed along its entire length because of the Mississippi backwater. Evening hail and rain only added to the river torrent. Officials said there was no relief in

sight.

"This whole four-mile area between here and the Mississippi is at a critical stage," said St. Louis police Lt. Col. Ray Lauer. He said damaged roads could develop dangerous sink holes. "It is not what people want to hear, but we have bad news again."

Police were "basically begging people" along the Des Peres to leave their homes, said Candy Green, a St. Louis city spokeswoman. Some residents, so dispirited by another round of flooding, said they were finally giving up.

But others insisted they would stay in their homes until the city turned off their water and electricity.

Dawn and William Winslow, who live several houses away from where the levee broke, could not agree on the matter. Five months pregnant and at wits' end, Dawn Winslow sent the couple's three children to stay with relatives and hastily packed her own bags.

"I can't take it anymore," she said, standing with her husband outside their single story clapboard house. "He can do what he wants, but I'm out of here."

William Winslow, a roofer, said he was having a difficult time leaving.

"We lose this, and we have lost everything," he said. "There are all kinds of strange people pulling up in this area. Who knows what they will do if I leave."

In Des Moines, the executive director of the city water plant said he would make public the names of all "water cheaters" who draw from their taps before the plant gets back up to full production.

"We have 200 cases that we are investigating," L.D. McMullen said. The cheaters, he said, risk having their water intake valves padlocked.

Joint Chiefs Back Clinton Policy On Homosexuals in Military

By Martin Kasindorf

NEWSDAY

WASHINGTON

The Joint Chiefs of Staff, whose original opposition led President Clinton to compromise on a pledge to let avowed homosexuals serve in uniform, came through for their commander-in-chief with close-combat support at a crucial Senate hearing Tuesday.

Enthusiastically led by Army Gen. Colin Powell, the retiring Joint Chiefs chairman, the six service commanders joined Defense Secretary Les Aspin in backing Monday's "don't ask, don't tell, don't pursue" easing of the Pentagon's 50-year-old gay exclusion policy.

"The chiefs do not believe they have been shotgunning into this policy just because we're good soldiers," Powell told Sen. Robert Smith, R-N.H., one of several conservatives who favored enacting the strict ban into law and who termed the new policy vague and threatening to military readiness.

Senate Armed Services Committee Chairman Sam Nunn, D-Ga., faced with the solid military front, said he welcomed language in the White House-approved directive that met his demands, and held off on sponsoring separate legislation that would give the old ban the force of law.

But Nunn, ignoring pleas by Aspin and Sen. Charles Robb, D-Va., to let the Pentagon keep handling the issue by administrative regulation, remained set on enacting a tough policy in statute.

"Congress will vote on this issue

one way or the other," Nunn said, voicing a hope that testimony will enable the committee to draw up legislation later this week "consistent with the policy announced by the president."

Polled repeatedly for their private views by six senators, the four generals and two admirals left no politically exploitable gap between themselves and Clinton.

Asked by Sen. John Warner, R-Va., whether Clinton's policy would improve combat readiness, five of the chiefs said it would do so by bringing clarity to a confusing and divisive subject. Marine Corps Commandant Carl E. Mundy Jr. dissented only to the extent of saying the new rules would maintain current readiness.

Powell, after rejecting public criticism that the service chiefs were "insubordinate" in battling Clinton in January, Tuesday sprang to the president's defense when Sen. Lauch Faircloth, R-N.C., implied that Clinton's views resulted from a lack of military experience.

"It is unfair to single out the president in this regard," Powell said. He attributed Clinton's attempt to make homosexuals more welcome in the military to "a conviction" as well as "a political commitment."

Nunn's questions about how the new policy will work in practice — it takes effect Oct. 1 — centered on whether commanders will be able to initiate investigations, leading to discharge for homosexual "conduct," based on a single report that a service member has told a third party that he or she is gay.

At first, Aspin and Powell said this wouldn't be enough "credible information." Later, they said the decision was up to the commander's discretion. "That has to be pinned down," Nunn said.

Sen. John McCain, R-Ariz., said the entire policy was vague and would spark countless court cases. "What you are doing is beginning a long, long lawyers' relief fund," he said.

Warner was skeptical about the "don't tell" aspects of the policy. "You're asking homosexuals to take an oath of celibacy, mental and physical, for the balance of their terms of active duty," he said. "I think that's unrealistic, unfair, discriminatory... and we're going to be back in this hearing room after the federal courts knock it down in less than a year."

The Pentagon witnesses cited a memorandum to Clinton from Attorney General Janet Reno, analyzing the directive as defensible in court. Defense Department general counsel Jamie Gorelick is to testify on the point before Nunn's committee Wednesday, while Aspin and the Joint Chiefs are to speak at a House Armed Services subcommittee hearing. The subcommittee chairman, Rep. Ike Skelton, D-Mo., also plans to codify a policy on gay service.

Protesting the continued restraints on military service for homosexuals, 70 placard-carrying, chanting members of Gay and Lesbian Veterans of America were arrested for refusing to leave the sidewalk in front of the White House Tuesday.

Greenspan May Up Rates to Fight Inflation, Deficit

By James Risen
LOS ANGELES TIMES

WASHINGTON

In a warning shot aimed at Congress and the Clinton administration, Federal Reserve Board Chairman Alan Greenspan signaled Tuesday that the central bank is poised to raise interest rates to head off rising inflation — or to counteract congressional backsliding on deficit reduction.

Greenspan cautioned that any attempt by lawmakers to back off their target of \$500 billion in deficit reduction over five years would be a "negative" that would quickly roil the nation's financial markets, prompting an increase in long-term interest rates. The Fed, he suggested, would then have little choice but to raise short-term rates to dampen inflationary expectations.

Faced with increasingly difficult budgetary choices, House and Senate negotiators who are trying to craft a compromise economic program have tentatively raised the possibility of scaling back the deficit-reduction target.

The administration has strongly

opposed such a move. But some in Congress argue that it may be the only way to resolve the deep divisions between liberal Democrats in the House and conservative Democrats in the Senate over the most controversial tax and spending provisions in the budget package.

The Senate, for example, scrapped the administration's broad-based energy tax, replacing it with a modest 4.3 cent-per-gallon gasoline tax that would raise far less money. To make up the difference, the Senate took a bigger bite out of Medicare and scaled back several popular measures that were included in the House version of the budget, such as the creation of inner-city "empowerment zones."

Greenspan, appearing Tuesday before a House subcommittee to review the health of the nation's economy, declined to endorse Clinton's economic program or any Republican-backed alternatives. Yet he insisted that the \$500 billion deficit reduction target must be met for the final product to be taken seriously.

"I think it is important that some

major credible deficit reduction bill be passed. ... I fear that (without it), the markets would respond in a negative fashion," Greenspan said.

A package that lowered the five-year deficit reduction target from \$500 billion to \$400 billion, for example, would lack credibility, he said. If the financial markets become convinced that Clinton and Congress will not achieve meaningful deficit reduction, they are likely to force long-term interest rates higher as insurance against future inflation.

"If the markets perceive that we are backing off the size of the commitment, I think that they will react appropriately negatively, because it is suggesting that the will of the Congress and the administration to carry forward, to finally bring this process to success requires something large," Greenspan said.

The Fed, meanwhile, released a semi-annual policy report disclosing that the central bank has moved to tighten its long-range targets for monetary growth. It described the move as a "technical adjustment" that won't increase the likelihood of

a quick jump in interest rates.

Greenspan, however, disclosed that the Fed came close to raising short-term interest rates at a key policy meeting in May. Continued weakness in job growth and the overall economy staved off any action, he said.

Beginning in late 1990, the Fed reduced short-term interest rates by a total of 4 percentage points in an effort to revive the stagnant economy by encouraging more borrowing and spending by businesses and consumers. The Fed has not changed interest rates since last September.

Greenspan said the central bank is currently leaning toward higher, rather than lower, interest rates, despite the Fed's own forecasts that predict only modest economic growth for the remainder of the year. That policy, adopted at a May meeting of the Fed's Open Market Committee, means that "further signs of (inflation) would merit serious consideration of whether short-term rates needed to be raised slightly," Greenspan said.

That is bad news for the Clinton

administration, which is trying to sell its budget package to Congress and the public by arguing that it will bring about a sustained reduction in interest rates.

With many of its new spending programs stripped out of the budget by a deficit-conscious Congress, Clinton is finding it increasingly difficult to argue that his plan will foster job creation or economic growth. Now, virtually the only way the administration can argue that the program will have a stimulative impact on the economy is by stressing that a stiff dose of deficit reduction will lower interest rates and sharply reduce the borrowing costs faced by businesses and consumers.

Administration officials are continuing a subtle campaign to convince the Fed to hold off on any rate increases, at least until the budget is passed.

"We maintained earlier this year, and still believe, that there is nothing in the economic fundamentals that indicate a need to raise interest rates," said Laura D'Andrea Tyson, chairman of the Council of Economic Advisers.

What Kind of Change Will Japan's Conservatives Bring?

By Leslie Helm
LOS ANGELES TIMES

TOKYO

Voters here brought an end to Japan's own little "cold war" Sunday when they gave a thumbs-down to the left-leaning Socialists and shifted their support to three new conservative opposition parties.

The other cold war camp, the ruling Liberal Democratic Party, was also punished: It failed to regain the majority position it lost when a splinter group joined the opposition in a no-confidence vote last month. That setback forced last weekend's election for the lower house of Parliament, which elects the prime minister.

But can Japan's new conservatives unite and forge an alliance with the old-line opposition to form a new government in the coming month, before elections are held for a new prime minister? And if they do, what kind of change will the

new government bring?

The verdict is mixed as Japan digests the election results.

"The change (in voter support) was big enough to destabilize the LDP but not big enough to create an alternative government," said Kuniko Inoguchi, a political science professor at Sophia University in Tokyo.

For the longer term, however, observers said the emergence of a conservative alternative to the ruling party vastly increases the chance that a non-LDP government could come to power, with a platform for at least moderate change.

For decades, the Socialist party has served as the vehicle for protest votes against the ruling party. When the LDP instituted a consumption tax three years ago, for example, voters supported the Socialists in large numbers.

But few Japanese have ever seriously considered a Socialist-controlled government. And the Socialists have remained a largely symbolic opposi-

tion by advocating extreme, impractical policies while often cooperating closely with the ruling party behind closed doors. Fistfights in Parliament were sometimes staged as a show of force by the opposition against an unpopular bill — even though the Socialists had already made back-room deals agreeing to the policy.

Such Kabuki-style drama may no longer be necessary. The new conservative opposition parties are openly seeking power. And on most policies, they have few differences with the ruling party.

The result will be a new political structure dominated by conservatives. "You will have the LDP and an equally conservative opposition," says Masao Kunihiro, a Socialist member of the upper house. "We (in the left wing) will be pushed out."

What is still unclear is whether the new conservatives, most of whom are former members of the LDP, are different enough from the

ruling party to promote real change.

Some analysts argue that competition for power will eventually force the new groups to differentiate themselves by becoming more pro-consumer, in contrast to the pro-producer, pro-farmer policies of the LDP.

Others warn against expecting too much change in this area. "There is no great cleavage between the LDP and the opposition on this issue," says Gerald Curtis, a political scientist at Columbia University.

The new conservatives talk of decentralizing government, rooting out corruption and taking a more assertive foreign policy position. But few talk of promoting the more fundamental shift in economic policy from growth to quality-of-life issues that economists believe is necessary if Japan is to cut its trade surplus.

And the success of the new conservatives has been welcomed by business interests, who expect the new parties to be sympathetic to their

concerns. "I welcome the increase in the strength of the conservative forces as a whole," said Gaishi Hiraiwa, chairman of the Keidanren, Japan's big business association.

"The historical mission of economic development is finished, yet the conservative parties keep pushing economic growth rather than developing proper welfare services," says Inoguchi of Sophia University. "People don't have babies because of the lack of social services. All these problems aren't being dealt with." Inoguchi argues that such needs create the potential for a Socialist revival.

A major reason for the fall of the Socialists was the loss of unqualified support from the Japan Trade Union Confederation, which represents the largest group of Japanese unions. "The Socialist party will have little impact on Japanese politics in the future," Akira Yamagishi, president of the Confederation, said Monday.

To receive email about upcoming GSC meetings, send email to gsc-request@mit.edu.

Graduate Student Council

For further information about GSC events, send email to gsc-info@mit.edu, or phone x3-2195.

Next
General Meeting:

Wednesday, August 4 at 17:30 in the GSC office, rm. 50-220.
All graduate students welcome. Free Pizza and Soda.

Next

Event: **Gustav Mahler Symphony #3**
Tanglewood Festival Chorus • Hungarian Children's Choir
Tanglewood, Sun. Aug. 8. \$15 buys bus transportation and indoor seat.
Tickets go on sale *Wednesday, July 21* at the GSC Office, rm. 50-220.

Open
Wide!

The GSC has information about the *Student Dental Plan* offered by the Boston University Goldman School of Graduate Dentistry. For \$115, you get two dental examinations, cleanings, fillings and X-rays as necessary for a whole year. Brochures available at the GSC office, rm. 50-220.

Disclaimer: The GSC is not responsible for this program, we're just providing information.

The GSC wants your advice. What would you like the GSC to work on? Send suggestions to [gsc-request@mit](mailto:gsc-request@mit.edu).

OPINION

Dorm Location Deemed Major Drawback

By Michael K. Chung
OPINION EDITOR

The new dormitory building MIT is planning to rent at 620 Huntington Avenue is a good idea, but the simple fact is, it is too far away from the main campus to be convenient for MIT students to make the experience worthwhile.

MIT housing officials look to rent the building for a year, and expect to need to extend the lease for a second year. MIT's goal in so doing is to reduce the number of crowded students from 226 (this past year's number) to 165 on campus. The current plan is to rent three of the five floors, giving MIT room for ninety more students. Students were recently sent letters saying that this new dorm would be opened to them this fall.

The various benefits include: substantially lower cost (\$750 per term for a single, \$375 per term per person in a double, which is the same size room, 9' x 12'), guaranteed on-campus housing after staying there one year, and guaranteed first- or second-choice housing after two years at Huntington Hall, a parking lot (but no parking lot guard), discounted monthly MBTA combo subway-bus passes, as well as access to MCA's recreational and physical education activities.

There are many disadvantages to living at the new dorm, however. Inconvenience of location cannot be emphasized enough. The dorm is located near the Museum T-stop on the E-train of the MBTA Green Line, and about one and one-half miles down Huntington Avenue off of Massachusetts Avenue. Can you say "Sleep in through morning classes?"

As for food, a meal plan will be provided for students to eat at the MCA cafeteria, across the street (they even pack your lunch for you). Luckily, the dorm rooms, designed to be doubles, will have enough room for refrigerators, (partly because of meager fur-

nishings - a desk, chair, closet, and bed), but don't count on any full-size kitchens to show up on your new hallway. The only kitchen that may be built will be 'small,' and designed for use by students who cannot eat the MCA cafeteria food (if it's through ARA Food Services, you'd better get to the kitchen early.) Plus, there were no visible grocery stores in the area.

Another thing - there are currently no personal telephones, only hallway pay telephones. And you people living in fraternities know how much of a mess public phones bring about. And what if someone wants to log into Athena, since there is no Athena cluster? Is Information Services going to install those nifty easy-access Athena modem lines (that will go into dorms on campus) over there in Baker Hall? Not without having to put in individual phone lines. In yesterday's mailing to students, it is stated that they "are actively investigating the feasibility of installing phones in each room and providing an Athena Cluster."

Another issue - safety of the students. Apparently, A Safe Ride will incorporate Huntington Hall as a new stop on its schedule. (Can't wait to wait for a free ride across the river now, eh?) Will MIT Campus Police still give transportation to and from Baker Hall during the other hours if requested? Or will ZBT, ET, and Baker Hall do the carpool thing? (And how about delivery of *The Tech* to this place?)

There will be a 24-hour security guard, but, as mentioned previously, no protection of the parking lot. In an area of one of the highest vehicle crime rates in the nation, much personal security will be required to maintain automobile security. Picture it now - late at night, people trying to sleep, when all of a sudden, car alarms go off, no one knowing which one is which. Can you imagine the paranoia? In fact, the Housing Secretary of

MCA discourages car use, stating that they don't want to have to deal with a lot of students' cars on campus.

And, nearly most importantly, what if not enough students choose to take this offer? Will graduate students be given the option to live there? Rent the rooms to young faculty and other MIT workers? Or just leave the empty rooms alone, and let MIT, or even worse, all other dormitory residents, make up for the difference?

The same letter that went out to students describing the dorm and whatever little it has to offer, said that "we may have to require moves by some students who would normally be assigned to other dormitories. We do not expect that this will happen and hope that it will not, but if it does, we will notify you of any change of your fall term assignment immediately."

Quite simply, the Undergraduate Education and Student Affairs and Residence Campus Activities Offices are trying to pull a fast one on the current upperclassmen in order to make a quick solution to a recurring problem within MIT housing. By sending abbreviated information about the dormitory (for instance there were no photographs of the building or of the surrounding area), potential residents are getting put on the spot. If a student signs the form, given a room, and then decides that he or she wants to cancel the obligation, there is currently no option to retract the decision. If there are students willing to trade with them, then maybe it will work, but there is no guarantee on that happening.

If they are interested, there seems to be almost no way for people away from MIT for the summer to see the place for themselves. Those students staying in the area may be able to see what the dorm actually looks like, and then form a more complete picture of what is being skimpily presented to them.



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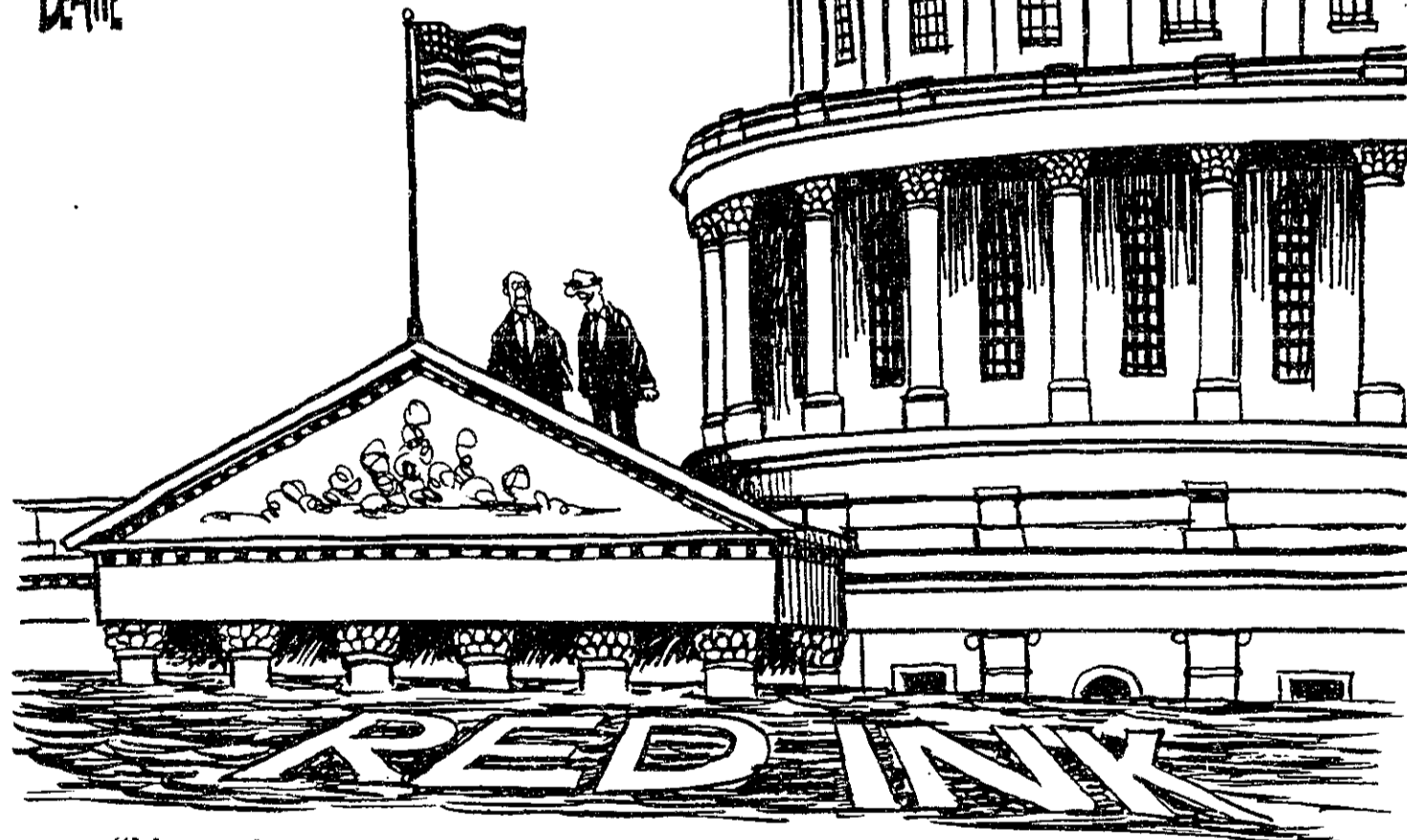
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The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$20.00 per year Third Class by *The Tech*, Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139-0901. Third Class postage paid at Auburn, Mass. Non-profit Organization Permit No. 59720. **POSTMASTER:** Please send all address changes to our mailing address: *The Tech*, P.O. Box 29, MIT Branch, Cambridge, Mass. 02139-0901. Telephone: (617) 253-1541. FAX: (617) 258-8226. Advertising, subscription, and typesetting rates available. Entire contents © 1993 *The Tech*. Printed on recycled paper by MassWeb Printing Co.

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"I hope they figure out a way to control the flooding along the Mississippi. Maybe we can learn something!"

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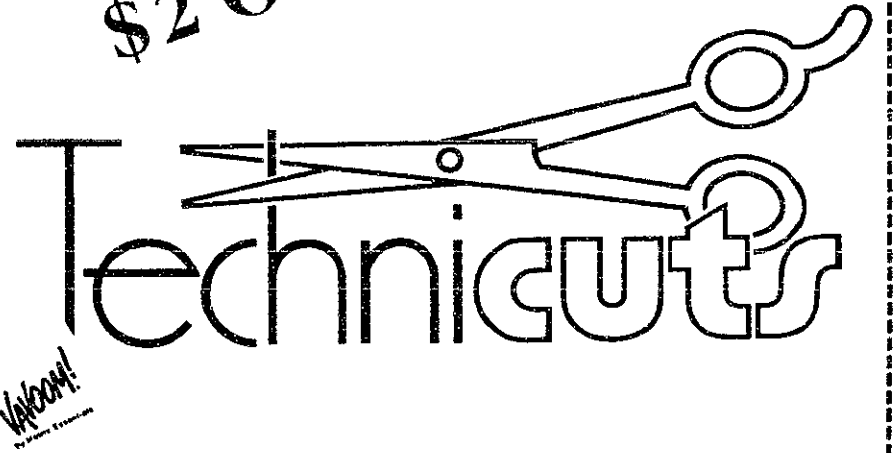


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THE ARTS

Popular Hong Kong films come to MFA

Jackie Chan brings comedy to action

HONG KONG FESTIVAL 1993
At Museum of Fine Arts.
July 16 — Aug. 27.

POLICE STORY 2

Directed by Jackie Chan.
Starring Jackie Chan and Maggie Cheung.
Aug. 13, 6 p.m.

OPERATION CONDOR: ARMOUR OF GOD II

Directed by Jackie Chan.
Starring Jackie Chan, Carol Cheng,
and Eva Cobo de Garcia.
Aug. 13, 8 p.m.

By Garlen C. Leung
MANAGING EDITOR

The Museum of Fine Arts will present 12 films from Hong Kong from July 16 to Aug. 27. The series features some of the biggest movies from the past five years, including *Mary from Beijing*; *Au Revoir, Mon Amour*; *Once Upon a Time in China*; *Fong Sai-Yuk*; *Love and Death in Saigon: A Better Tomorrow III*; *Once a Thief*; *Police Story 2*; *Operation Condor: Armour of God II*; *The East is Red*; and *Swordsman 2*. These include some of the biggest stars of Hong Kong cinema — Anita Mui, Tony Leung, Jet Li, Chow Yun-Fat, and, of course, Jackie Chan.

Gong Li, star of Zhang Yimou's *Red Sorghum*, *Raise the Red Lantern*, and *The Story of Qiu Ju*, also stars in *Mary from Beijing*, a romantic melodrama. Directed by Sylvia Chang, this is the story of a new immigrant to Hong Kong from Guangzhou who finds a boyfriend rather than a job. Although her rich boyfriend ignores her, Mary (Li) eventually finds true love with an even wealthier man.

Once Upon a Time in China is a beautiful movie about the folk hero Master Wong Fei-Hung (Jet Li), the legendary leader of the Ten Tiger sect of Guangdong. Director Tsui Hark fills the screen with lightning-fast moves and unbelievable fight choreography.

Director Yuen Kwai has packed *Fong Sai-Yuk*, his latest creation, with enough action and speed to make it a box office hit in Hong Kong. Jet Li stars as Fong Sai-Yuk, martial arts champion and member of an underground society dedicated to the overthrow of the Manchu emperor. The highlight is a fight in which the rival groups battle while standing

on the heads and shoulders of their supporters. The fast-moving plot is filled with great action mixed with the usual comic genderbending and slapstick.

Chow Yun-Fat is the cool leader of three art burglars in John Woo's *Once a Thief*. After stealing paintings around the world, these three thieves are challenged to pull off the ultimate burglary: stealing a painting that has already been stolen. This film is filled with wonderful romance, plenty of comedy, and (as always) lots of action.

Other films in the series are *The Heroic Trio*, *Dragon Gate Inn*, *The East is Red*, and *Swordsman 2*.

★★★★★

Jackie Chan is one of modern film's best action stars. His fast-paced stunts are truly amazing. I find it incredible that he has survived all his physical, action-packed martial arts and stunt scenes, which unlike most actors, he performs himself. Chan's gravity-defying stunts and humorous antics make his films some of the most enjoyable and satisfying I've ever seen.

Police Story 2 is the record-breaking sequel to Chan's original comedy *Police Story*. In it, Chan returns to defeat the organized crime members who continue to haunt him and his girlfriend (Maggie Cheung). Chan both directed and starred in this story about how an officer's personal war with crime has led to his demotion from detective to traffic cop. Even with his newer, safer job, Chan still gets into trouble with the crime gangs.

He gets into even more of a mess when he gets involved in a wave of bomb attacks and bomb scares across Hong Kong. Chan follows leads that eventually bring him to the bombers, who have kidnapped his girlfriend. The exciting climax occurs in a flurry of fists and feet at a large bomb- and firecracker-storage building.

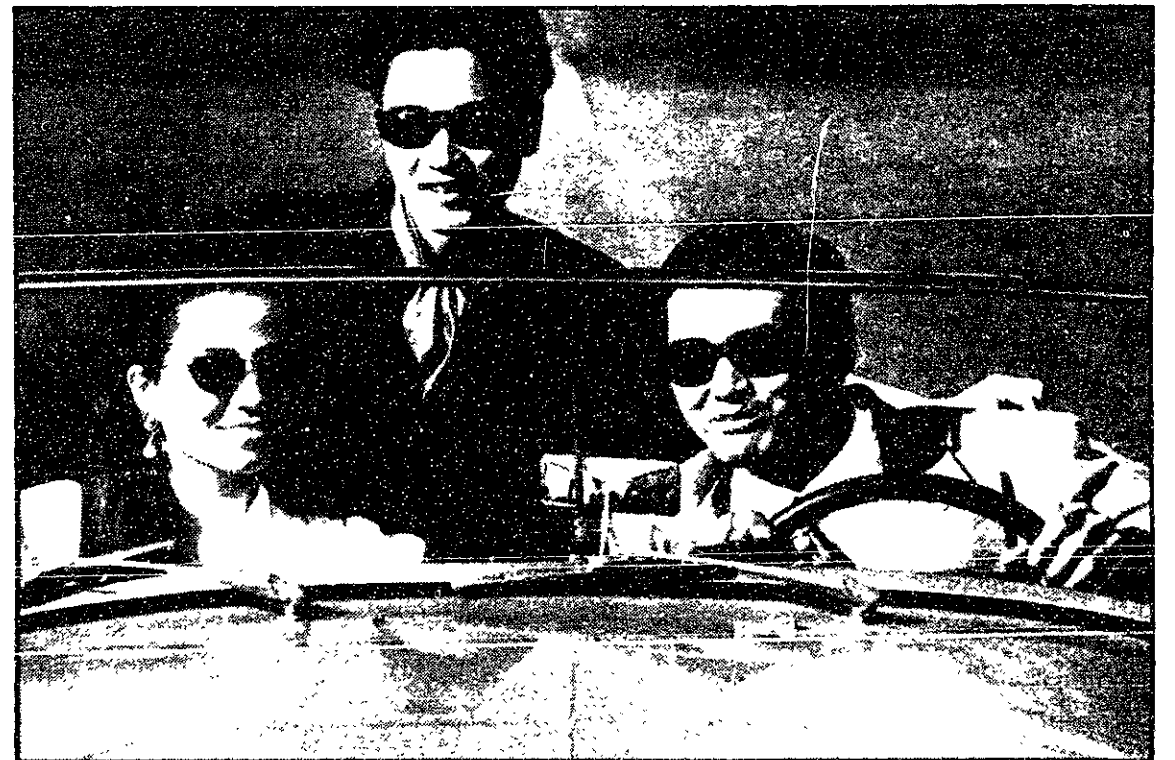
Although this sequel is disappointing in comparison to the first movie, it is still filled with the wonderful action and great comedy that is the hallmark of a Jackie Chan film.

In another sequel, Chan is incredible as Asian Hawk in *Operation Condor: Armour of God II*. Here, his adventures take him on a mission to recover a lost vault of Nazi gold in the desert, and his accident-prone companion encounter other treasure seekers.

Their adventures through the desert brings opportunities for mind-boggling action and amazing acrobatics. The climax is a spectacular battle in a giant, abandoned Nazi wind tunnel.

Operation Condor will bring you many laughs and wonderful action; this is a definite must see.

It's no wonder why Jackie Chan films bring sell-out crowds wherever they are shown. *Police Story 2* and *Operation Condor: Armour of God II* sold out not only in Hong Kong, but also in Chicago and Los Angeles. Both are definitely worth taking the time out to see.



Above: A scene from *Fong Sai-Yuk*. Below: Cherie Chung, Leslie Cheung, and Chow Yun-Fat star as three cool burglars in *Once a Thief*.

LOVE & DEATH IN SAIGON: A BETTER TOMORROW III

Directed by Tsui Hark.
Starring Chow Yun-Fat, Tony Leung,
and Anita Mui.
Aug. 6, 8 p.m.

AU REVOIR, MON AMOUR

Directed by Tony Au.
Starring Tony Leung, Anita Mui,
and Carrie Ng.
July 23, 8 p.m.

By Gilbert Leung

The Museum of Fine Arts' 1993 Hong Kong Festival continues through mid-summer with *Love & Death in Saigon: A Better Tomorrow III*. Tsui Hark's film has an intriguing plot set in war-time Vietnam in 1974. In the course of trying to help his cousin (Tony Leung) and uncle leave Vietnam, Mark (Chow Yun-Fat) unexpectedly meets Kitty Chow (Anita Mui), a powerful woman with influence in the corrupt Vietnamese government. The war doesn't prevent Kitty and Mark from falling in love with each other. With Kitty's help, Mark, his family, and Kitty all leave Vietnam for Hong Kong.

Kitty's criminal ally and ex-lover, thought killed in an accident, returns and seeks revenge on Mark for stealing Kitty. A pursuit back to Vietnam follows, and after a series of violent run-ins among Mark, the local army, the Viet Cong, and Kitty's ex-lover, *Love & Death in Saigon* ends with a sappy ending.

If you like gun fights, blood, and violence, *Love & Death in Saigon* has it all — just like any other violent film made in Hollywood.

With the fickle romance between Kitty and Mark, this film is every bit as typical and implausible as its American counterparts. It is still entertaining to see Anita Mui's heroic, Rambo-like actions and Chow Yun-Fat's promisingly good acting. But by no means can *Love & Death in Saigon* compare to its excellent predecessor, *A Better Tomorrow I*, not to mention that the two plots have absolutely nothing to do with each other.

In *Au Revoir, Mon Amour*, a "yet-another-war-time-love-story," Tony Leung plays a brave Chinese rebel leader at the time of the 1930s Japanese occupation of Shanghai. In an anti-Japanese demonstration, Leung meets his lover, played by Anita Mui. Leung's patriotic heart keeps him from having a family with Mui, who becomes a nightclub singer.

Leung coincidentally meets Mui again after an injury from fighting a Japanese man. Passion rekindles, and Mui becomes pregnant with Leung's baby. Leung, however, has to leave Mui again for his movement against the Japanese. As the Japanese army leaves Shanghai in chaos, Leung makes the difficult decision to continue his patriotic service to the country instead of taking care of Mui and their son, leaving Mui with no choice but to marry a faithful servant, long her suitor. After the war is over, Leung finds Mui with her husband and family, producing a tangle of love that has to be resolved at the end.

Au Revoir, Mon Amour has an elegant love theme but also plenty of confusing details and flashbacks. In general, this film, with the poetic Chinese title that translates as "When will my man return?" has an interesting storyline trapped in a not-so-creative theme. *Au Revoir, Mon Amour* still manages to rise above the pack with its surprisingly good directing, filming, and acting.



Anita Mui, a nightclub singer, lays over her lover Tony Leung, a Chinese rebel leader in *Au Revoir, Mon Amour*.

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Huntington Hall Expected to be Ready by Fall

Dorm, from Page 1

the main campus and being in the city, while still having the convenience of meal plans, security, and a college environment."

Nevertheless, the administration is anticipating that the distance from campus might discourage some students from choosing Huntington Hall, and the Institute will sell monthly combination bus and subway T-Passes at half price — approximately \$24 per month — to residents, according to Smith. In addition, a permanent *A Safe Ride* stop will be added at the dormitory.

Whether students can park at Huntington Hall has yet to be determined. While there is a small parking lot behind the dormitory, MCA students are not allowed to park there, said Diana Glennon, secretary of housing at MCA. There is no security in the parking lot, which is only surrounded by a wire fence, and MCA doesn't "want to have to deal with a lot of students' cars on campus," she added.

Eisenmann said there may be limited parking available. There is also some on-street parking, Smith added.

Day-to-day living arrangements

The rooms at Huntington Hall, measuring 9x12 feet, are intended as doubles, but will serve as large singles for MIT students. There are 30 rooms per floor on each of the five floors.

Included are a bed, desk, chair, and closet. The furnishings are "adequate," but "the standard is certainly no higher than MIT," Smith said.

There is one pay phone per floor, and there are no personal phones in the rooms. The communications office is currently looking into the costs of installing phones in individual rooms, as well as the possibility of bringing Athena to the dormitory, according to Smith.

There is currently no kitchen at Huntington Hall, although a small facility may be added later. Students may also opt to eat at the MCA dining hall, at \$1895 per year for 19 meals per week.

The neighborhood

Huntington Hall is officially in Roxbury. Nearby are Wentworth Institute of Technology, Massachusetts College of Art, Northeastern University, Harvard Medical

School, Simmons College, and Emmanuel College.

With so many students living in the area, the crime rates are not out of the ordinary, according to a Roxbury Police Officer. There haven't been any problems of students being harassed, but, "like any other resident you have your problems" with crime, she said.

There is a 24-hour security guard and security cameras at the dormitory, she added. These security measures will continue to be provided by MCA, according to Eisenmann.

However behind the dormitory is also the Mission Hill Projects, according to Glennon. "We advise students not to go back there," she said, although she added that there have not been any serious problems recently.

The most frequent crimes involve motor vehicles and stereos stolen from them, according to the police officer.

Dorm to relieve overcrowding

"We knew for a long time we were going to have trouble housing everybody," Smith said. After admitting record numbers of students in recent years, the Institute decided to both reduce the number of admissions as well as look for other housing alternatives.

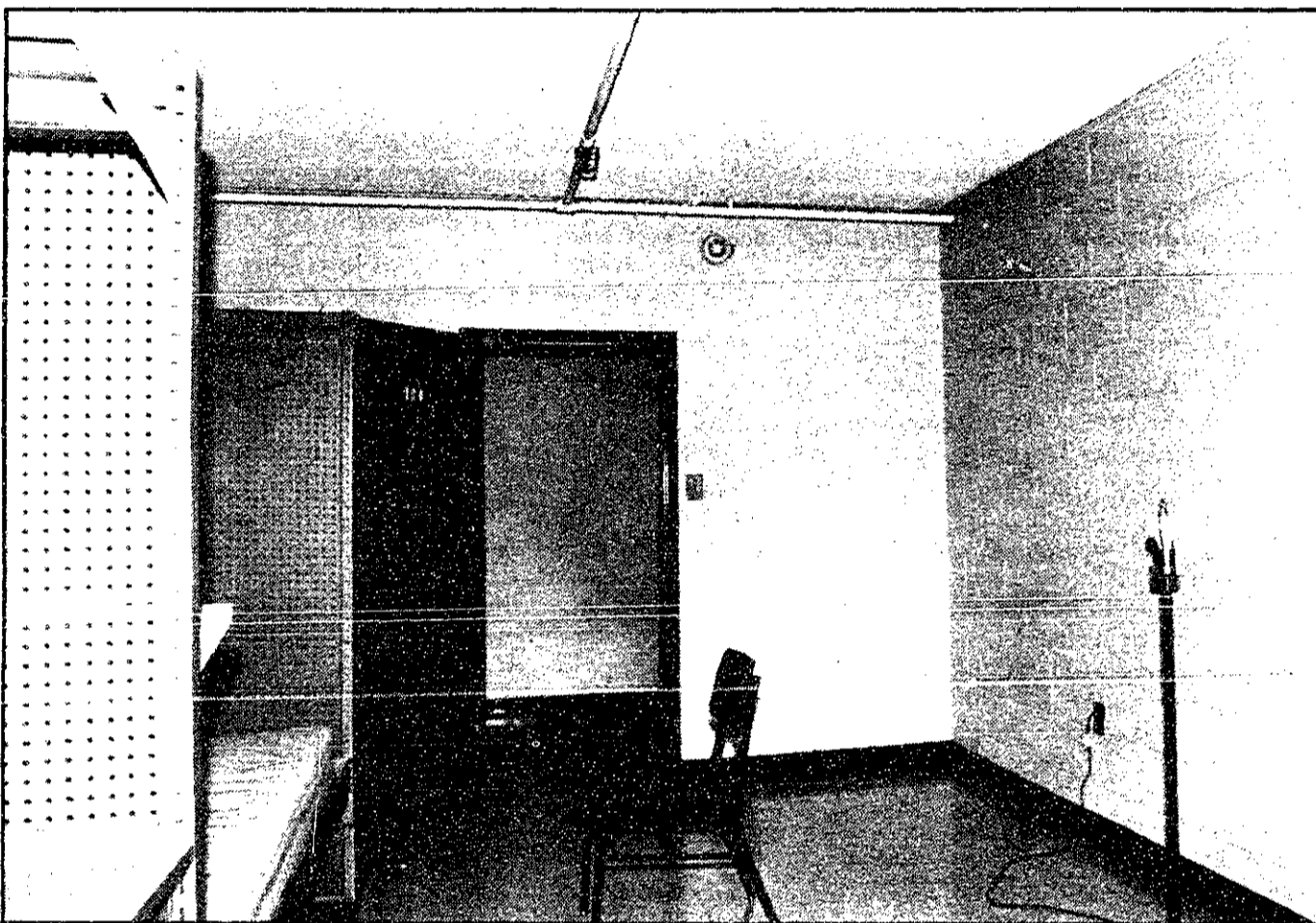
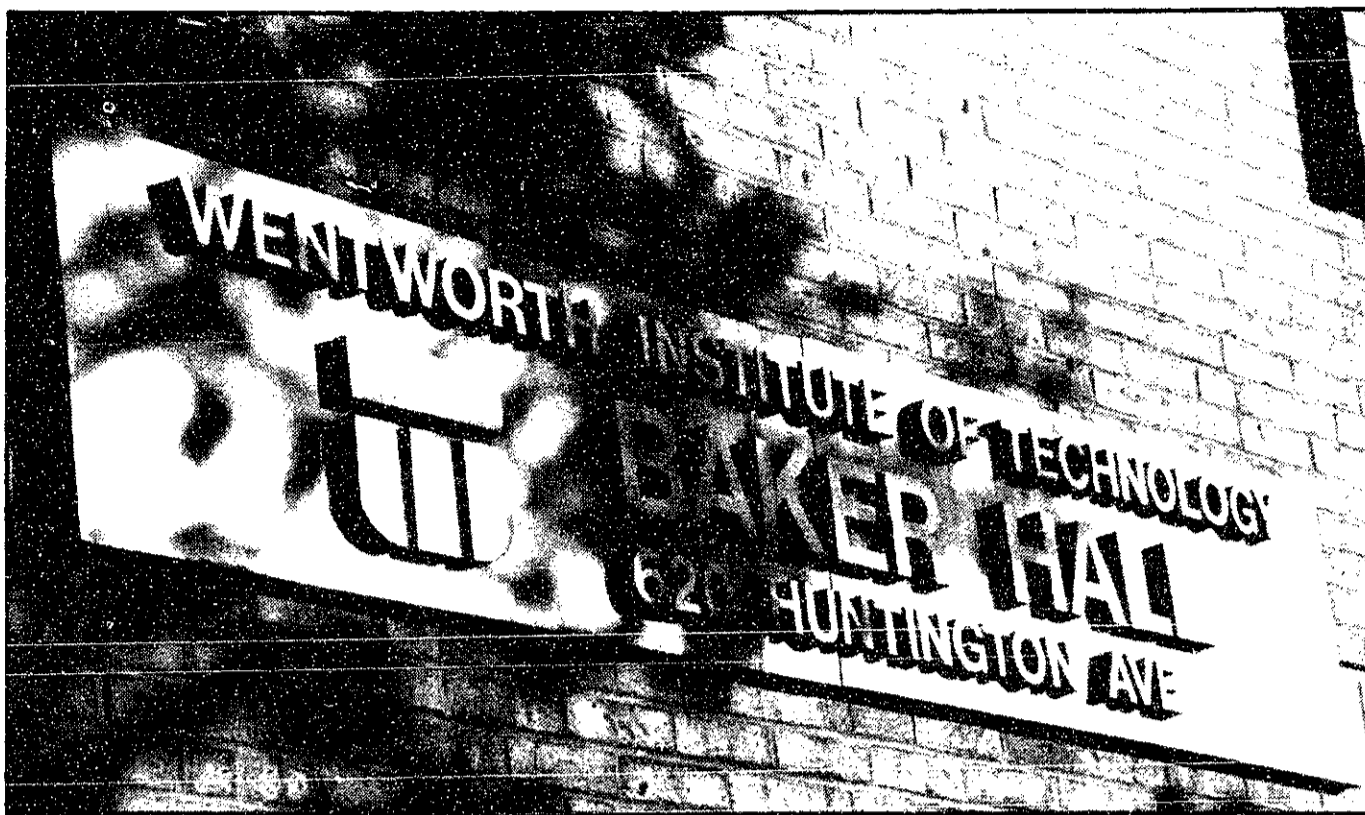
Led by Immerman, a group of MIT administrators started looking for a new dormitory site last spring. The Huntington Avenue site was seriously considered by June.

Most of the other potential dormitory sites were either in worse physical condition or could not have contracts negotiated in time for the fall term, Smith said. The Institute also looked at hotels as an option, he added.

For the 1992-1993 academic year, there were about 226 undergraduates in crowded dormitory rooms, Smith said. Twenty undergraduates were also housed in Westgate. This year's goal is 165 crowds. But, without including rooms in Huntington Hall, there are more unassigned people than beds available, he added.

Currently, there are not enough unassigned undergraduates, such as transfer students and students who have taken time off, to fill the rooms available at Huntington Hall, according to Smith.

Thus, "If the incentives we have provided do not result in a large



Above: Wentworth Institute of Technology's name for 620 Huntington Avenue was Baker Hall. Below: An empty room awaits students at Huntington Hall.

enough change in occupancy, we may have to require moves by some students who would normally be assigned to other dormitories. We do not expect that this will happen and hope that it will not, but if it does, we will notify you of any

change of your fall term assignment immediately," according to the memorandum.

Some alternatives may be to house freshmen or graduate students in the new dorm, if they choose to live there.

There is currently a committee studying how to achieve a more stable admission and dormitory situation, Smith said. He added that MIT is close to reaching a decision to build another dormitory within the next few years.

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Widnall Experienced With Military Boards

Widnall, from Page 1

served in the Air Force, she has been an advisor on various military boards. These include: Chairman of the Air Force Academy's board of visitors, member of the military airlift committee of National Defense Transportation Association, member of the National Academy of Science's Panel on Scientific Responsibility and the Conduct of Research, the first director of university research at the U.S. Department of Transportation, and adviser on aeronautic systems at Wright-Patterson Air Force Base near Dayton Ohio.

Widnall was also the fifth woman president of the American Association for the Advancement of Sciences. As president and chairman of AAAS, she testified on numerous occasions to Congressional committees dealing with issues of research, science educa-

tion, and research faculty funding.

Back at MIT, Widnall has also been a strong force in these issues. As associate provost since January, 1992, Widnall has dealt with the issues of MIT's policies and procedures for promotion and tenure policies, a study on mandatory faculty retirement, MIT's international relationships, and the Council on Federal Relations.

Widnall also had a strong interest in academic integrity at MIT, both with students and researchers. She was a member of the Committee on Discipline and supported the idea of having an honor code for students.

She was also the first woman faculty chairman at MIT.

As an engineer, Widnall also carries many distinctions. She was the first alumna appointed to the faculty in the School of Engineering, and received the 1986 Abby Rockefeller Mauze Professor of Aeronautics and Astronautics Award.

In addition, Widnall is internationally known for her expertise in fluid dynamics, specifically in the areas of aircraft turbulence and vortices created by helicopters. She also holds two patents, one of which is an aerodynamic device for either water or air craft.

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W2 May be Used as Housing

By Nicole A. Sherry
STAFF REPORTER

As part of a solution for the overcrowded conditions in the dormitories, the religious center, which is currently in building W2 near McCormick Hall, will be moved to building W11 by the Spring of 1994. This change will enable the buildings W2 and W2a to be used for housing.

Building W11 is now the home of the Center for Advanced Visual Studies (CAVS), but the research program by that group is being phased out.

Two plans are being considered for the conversion of W2 and W2a to housing, according to William R. Dickson, senior vice-president of

MIT. The more likely one would make the two buildings into all-female undergraduate housing. The second possibility would make the buildings residences for the housemasters of Ashdown House and McCormick and convert the current living spaces of those housemasters to student rooms, he added.

This project is still in the planning stages, but the administration wants to get this done as quickly as possible.

"My goal is to bring this additional housing on-line by September 1994. I hope we can achieve it," Dickson said.

Building W11 will then house the offices of the religious chaplains and student activities which are reli-

gious in nature. The Kosher Kitchen, which is now in the Blue Room in Walker Memorial, will also be moved to Building W11. This dining facility may also serve as a Muslim dining facility.

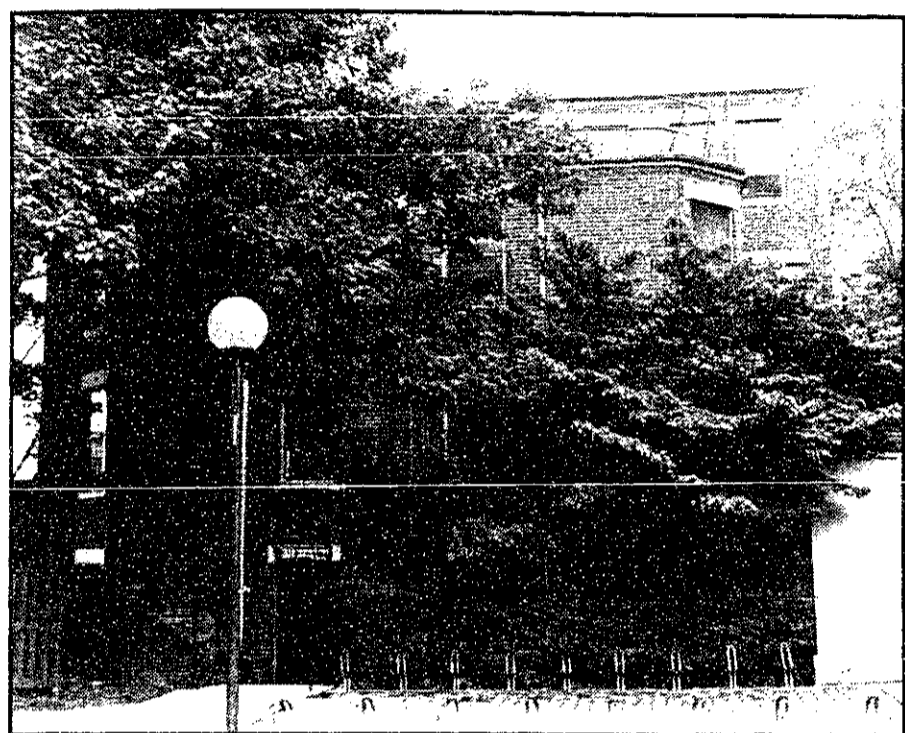
There will be a seminar room, a small reference library, and a video room which might have a satellite connection to be used for religious and cultural programming. There will also be a semi-restricted space for a Muslim temple to replace the one which is currently in the basement of Ashdown.

"Most of the activities will center around uses that would be consistent with its proximity to the chapel," Dickson said.

"This space is designed to be as inter-religious as possible. I hope that it will allow ample opportunity for mixing," said Father Bernard J. Campbell, the Roman Catholic chaplain.

Although the conversion of this building is still in the preliminary stages, it is set to be finished as early as January 1994, and no later than June 1994, according to Father Campbell.

Any continuation of CAVS research will be determined at a later date.



YUEH Z. LEE—THE TECH

W2, the current location of the Chaplaincy, may become dormitory space by next year.

IS to Replace RTs

Athena, from Page 1

day. "That number has been rising steadily over time. This spring it went over 6,000 several times," Jackson said.

Although many computers are idle before 9 a.m., by two thirds of the way in to each academic term, every computer is in nearly continual use from 11 a.m. until about 1 a.m., according to Jackson. "The system is way beyond its capacity," he said.

But this is not because IS does not have the financial means to buy new computers. "The scarcest resource we have is space. If we could cram more computers into W20, we would," Jackson explained.

He added that students spend a lot of time using the computers for communication activities, such as mail and zephyr-grams. These activities do not require the power of an Athena workstation. They can be done from personal computers in students' rooms, and two-thirds of MIT students have their own computers, according to Jackson. But the dialup connections, which use conventional modems, work slowly.

It would be much faster to put ethernet drops in all dormitory rooms and in each fraternity, and connect the ethernet cables to the same servers that the Athena computers use. Officially, IS will have these ethernet drops ready by September 1994, but they will probably have them ready well before that, according to Jackson. Each ethernet drop will have an address whose prefix will include the name of the dormitory or fraternity it is in, so that IS maintenance workers will be able to locate troublesome computers easily.

Students will also have the option of buying a workstation from the MIT Computer Connection and hooking it up to the ethernet cable in their room. Then they will have the full power of Athena in their room. This option would cost \$6,000 plus a service and maintenance charge of about \$350 per month.

With ethernet installed, the Athena clusters would be less crowded and could be used for computationally intensive work and graphics. This is just one vision of the future of Athena clusters at MIT, according to Jackson.

Human-Powered Sub Places 3rd

By Michael K. Chung
OPINION EDITOR

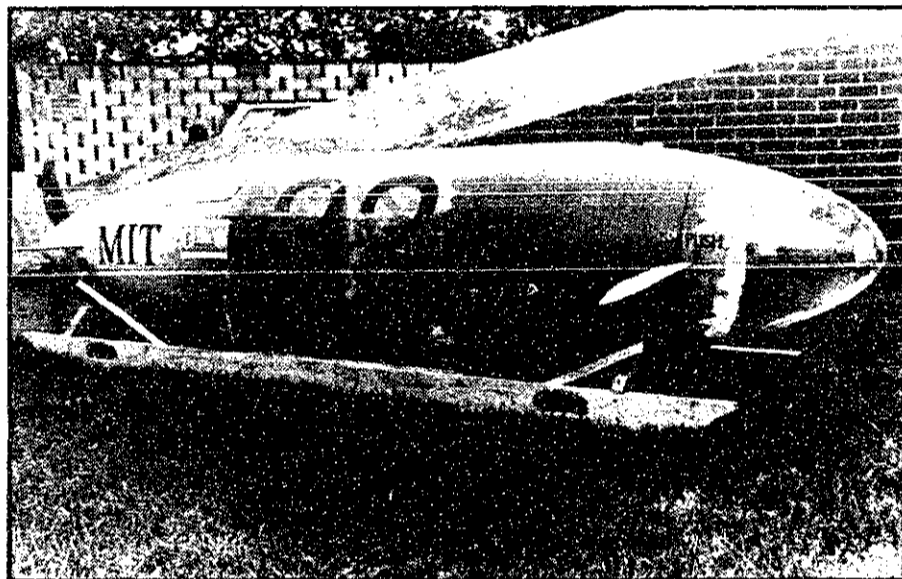
Despite inclement weather, the Sea Beaver II craft made by the MIT Sea Grant team placed well against opposing vessels from other universities and around the world in the Human-Powered Submarine Competition, which was held over a ten-day period in Fort Lauderdale, Florida. Some of the participating teams were from England, Germany, British Columbia, various parts of the USA, and Walt Disney World.

The Sea Grant team earned several awards, including third best performance as an academic institution, third place in cost effectiveness, and an award commending the safety features of the boat.

Cliff Goudey, an engineer with the Sea Grant program, led the MIT group. The other team members were David Gerson G, Diane Dimassa G, Drew Bennett G, Brody Hynes '96, and Jacqueline Brenner '96, Bill Hall G, and Hauke Kite-Powell.

By reusing the same hull from the last contest in 1991, they MIT team saved time and money because they only had to redesign parts of the craft. The boats were operated by two people. One team member did the steering and the other did the pedalling, providing power to the boat.

Both occupants were equipped with wet-suits and the equivalent of about two and one-half scuba tanks of air. In the Sea Beaver II, instead of wearing the air tanks, the boaters installed them to the inside of the craft to give themselves more freedom of movement.



YUEH Z. LEE—THE TECH

The Human-Powered Submarine, designed and built by the MIT Sea Grant Team, won third place in performance as an academic institution, third place in cost effectiveness, and a safety award.

Judges conducted safety inspections for several days before the racing events. There was a series of on-shore tests. To ensure that water could flood freely into the boats, the hulls were not allowed to be pressurized. Boats also had to be accessible from the outside and inside to ensure that a rescue would be possible. Finally, each boat had to have a sufficient oxygen supply.

There were also safety checks in the water. The hatches of each boat were required to be accessible from both sides, and all the boats had to release safety buoys when required. Forty-two boats passed these tests and moved on to the underwater racing.

There were two events: a 100 meter race and 400 meter race. With Hall as pilot, and Kite-Powell, a triathlete, pedaling, the MIT team completed the 100 meter race in 48.75 seconds, the fastest time of the day.

In the remaining time trials, the team from Florida Atlantic University was the only team to better the MIT 100-meter time, completing the race in 45.58 seconds. This was reportedly similar to the times they achieved practice trials prior to the competition, near the race-site.

Of the twenty-four boats that finished the time-trials under the ten-minute limit, the times were evenly spread from 45.58 seconds to 130 seconds. The corresponding speeds in knots were from 4.26 to 1.49 knots.

The fastest times were scheduled to compete against each other in a single-elimination tournament, with top finishers to compete in the 400-meter race. The weather, however, made those plans impossible and led to an altered format.

In MIT's next match, a 400-meter race against FAU, a surprise was in store for the crew of the Sea Beaver II. In the beginning of the race, the linear pedal system failed, leaving MIT out of the race completely. Because of the limited race time, a rematch was out of the question.

Of the twelve boats that did complete 400-meter races, the range of times were from 3:58.86 (set by FAU) to 7:15.55.

At one point in the competition, the MIT group found an old, beat-up sign which read "Watch out for Pedestrians." Late one night, they dove into the water and planted the sign near the finish line, in the MIT hacking tradition. However, the sign was found and removed by U.S. Naval divers before it could be noticed by other submarine operators.

Looking to the future

Because of high susceptibility to weather conditions, future events may require that submarines be independent of surface boats. This way, wind and small waves will not prevent submarines from entering the water safely.

Goudey hopes to enter two boats in the next competition in 1995: a new vessel, and a modified Sea Beaver. He hopes that their performance will bring them more sponsorship for the project. This year, the project cost around \$10,000, most of which went to traveling and lodging expenses.

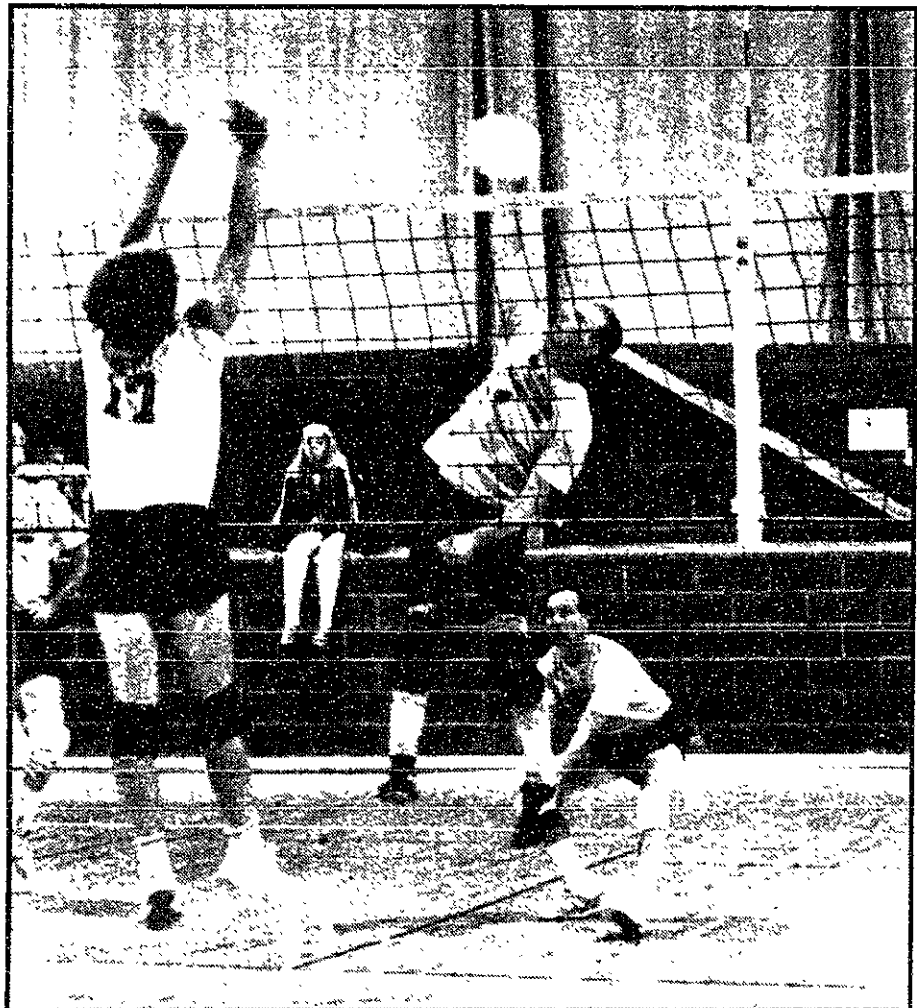
Goudey hopes to have more preparation time in similar water conditions, so that bugs can be worked out more easily. The team also hopes to gain more support for the program in future events.



YUEH Z. LEE—THE TECH

MIT students play at Summer Session's "Music at Noon."

MIT Athletes Perform Well at Bay State Games



YUEH Z. LEE—THE TECH

People of all ages compete at the Bay State Games

Games, from Page 11

an 8.3 out of 10, high enough to place him in the top six.

The next day, Sheckman vaulted with the same routine and scored a 7.7, not high enough for a top-three finish, but well enough to bring MIT pride in its gymnastics program.

Also, MIT Men's Gymnastics coach Fran Molesso competed in the open event. His performance on the rings earned him a spot in the finals, where he placed fourth. His routine included a kip to an L-cross, dismounting with a flip with a full twist.

In the final, after Molesso performed solidly, one of the judges awarded him with a score of a 9.9. Because there were four judges, and the high and low scores were dropped, this was an excellent way for well-deserved tribute to be paid to Molesso. However, the other judges did not give Molesso such high scores.

Crew

MIT rowers, coxswains, and coaches were involved with the crew portion of this year's Bay State Games. This year, there were three

divisions: the scholastic, collegiate, and open divisions. Each race was an 800-meter sprint, which lasted between 2 1/2 and 3 minutes, depending on water conditions and the strength of the crew.

Rowing in a novice women's four under the Boston Collegiate Rowing Club (the collegiate division was canceled here due to a lack of entrants) were Charla Lambert '96, Renata Pomponi G, two Wellesley women, and Jason Yip '95 as coxswain.

Wearing bright pink shirts, the rowers won their preliminary heat. In the finals, they were also victorious, slugging through rough water and side winds, edging the other boat by about a second. "It was a lot of fun, and the medals and jackets we won are nice," Lambert said.

In another boat fielded by the Boston Community Rowing Club, this time in the open division, Conan Hom '95 coxed his boat to another victory involving MIT rower Suzelle Tardif '93, one of this year's picks for the New England Women's Eight.

In the finals of this competition, as Hom's shell pulled away from the opposing crew after the start, Hom declared that, "we're pulling ahead - the race is ours." Indeed it was, as Hom guided his boat, clad in glowing purple shirts, to a clear victory.

MIT Women's Varsity Coach Mayrene Earle coached the boats for part of the training, while MIT Novice Women's Crew Coach Sue

Foight coached a crew affiliated with the Quinsigamond Rowing Club.

In the open men's competition, Eric Martin '94, Jeff Tomasi '95, Sean Olson '93, Steve Carbone '94, Jonathan Li '93, Jeff Li '96, and Geoffrey Parker G rowed in an eight coxswained by Peter Yao '95. According to Yao, the organization and conditions did not lend themselves to good rowing. They lost to a Community Rowing Club boat by a second in the finals.

Events at MIT went smoothly

The Bay State Games were a success once again this year, and the MIT campus was excited to partake in the games, except for one incident in the boy's scholastic basketball event. According to *The Boston Globe*, one of the backboards was shattered with five minutes remaining in a Thursday night game, temporarily delaying the game, as well as denting the hardwood floor considerably.

Nevertheless, the game was continued the next day at University of Massachusetts-Boston, where the remaining men's open tournament was moved. Despite the setback, track-and-field, lacrosse, and field hockey still took place in Steinbrenner stadium and on the MIT fields.

The lacrosse matches were a crowd pleaser, and made Fran Lee '93 recall, "The whole scene brought back memories of my years of competitive lacrosse." Such happy events should continue to encourage young and old to participate in the Bay State Games in the future.

Lyren Awarded NCAA Scholarship

By Roger Crosley
DIRECTOR OF SPORTS INFORMATION

1993 MIT graduate Julie Lyren, of Akron, Ohio, has recently been named winner of a prestigious National Collegiate Athletic Association (NCAA) Postgraduate Scholarship. Lyren, an All-America gym-

Sports Shorts

nast, is the third winner of one of the \$5,000 grants during the 1992-93 academic year at the Institute. A materials science and engineering major as an undergraduate, Lyren plans to pursue a teaching and coaching career.

Academic All-Americans

The ranks of MIT GTE College Sports Information Directors of America (CoSIDA) Academic All-Americans has swollen by two recently with the naming of 1993 graduates Seema Jayachandran and Rob Silva to the At-Large teams for women and men respectively. Jayachandran, a tennis player from Salinas, Calif., earned her award for her perfect grade point average in a double major of physics and electrical engineering. Silva played both lacrosse and hockey at MIT and ended his career as the leading career scorer in both sports. A Golden, Colo., native, Silva's selection to the team was as a lacrosse player. He majored in mechanical engineering and finished his career with a 4.2/5.0 grade point average.

Baseball

MIT baseball player Peter Hinteregger, a 1993 graduate from Newton, Mass., has been named to the first team Eastern College Athletic Conference Division III New England All-Star Team. Hinteregger was

the Engineers' number one pitcher and finished 1993 with an 8-2 record and an earned run average of 2.58. Although he was selected as a pitcher, Hinteregger, from Newton, Mass., also played 20 games at shortstop.

Tennis

The Intercollegiate Tennis Association (ITA) has released its final 1993 Spring rankings and MIT teams and athletes figure prominently in each of the categories. The women's team finished 11th nationally in Division III while the men's team ended up with a national ranking of 19. The men's doubles team of 1993 graduate Alan Walpole of Turaunga, New Zealand, and junior Jay Muelhoefer from Brussels, Belgium, finished as the fourth rated doubles team in Division III. In the individual rankings Walpole was 22nd, and fellow graduate Manish Bhatia of Okemos, Mich., was 49th. For the women, Freddie Turner of Cambridge, Mass., was 34th, while the doubles team of Turner and Valerie Tan of Singapore were ranked 22nd. Turner will enter her junior year in September while Tan will be a senior. Additionally, coach Candy Royer has been named the ITA East Region Coach of the Year for guiding the Engineers to a 14-5 regular season record.

Football

Although no MIT football players were named to the Pre-season Division III All-America team by 1993 NCAA Preview magazine, wide receiver Rod Trantum and linebacker Nolan Duffin were named to the magazine's "Best of the Rest" list. Trantum, a graduate student from Chatsworth, Ga., was one of 11 receivers mentioned, while Burke, Va., native Duffin was one of eight linebackers. Duffin will be a senior.

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SPORTS

MIT Fencers Perform Well at Nationals

By Mark Hurst and Joe Harrington
TEAM MEMBERS

Two members of the MIT varsity fencing team, two alumni, and an incoming freshman competed in the U.S. Fencing Association's National Championships this June in Fort Myers, Florida. Team captain Mark Hurst '94 and epee squad leader Keith Lichten '95 fenced in Division I and Division II events for their respective

weapons. Team alumni Joe Harrington G and Lenore Kerber '87, and incoming freshman Dave Lewinnek '97 competed in one division event apiece, with Lewinnek also competing in an Under-19 event.

Lichten fought his way into team history by winning a medal in a national competition. He placed third in Division II Men's Epee and 57th in Division I Men's Epee. Hurst slashed his way to a

respectable 35th place in Division I Men's Sabre and 37th in Division II Men's Sabre. He also served as a director for the Under-19 Men's Sabre event. Harrington, competing in Division I Men's Epee, took 48th place. Lewinnek, a strong fencer from the New England area, took 120th in Division II Men's Epee and 44th in Under-19 Men's Epee.

Kerber took 33rd place in Division II Women's Epee. Following

the lead of the International Fencing Federation, the National Collegiate Athletics Association will have women's epee starting this fall, and MIT is currently seeking new people for this team. Women's epee will be an Olympic event in 1996.

MIT Men's head coach Jarek Koniusz, a bronze medalist in the 1989 World Championships, was also in Fort Myers for the annual event. Though he was in Florida as

a director, he received an invitation to attend the World Championships as co-captain of the U.S. team. Koniusz traveled to Germany in late June to participate in that prestigious event.

MIT varsity fencing is looking forward to the 1993-1994 season. Award-winning coach Eric Sollee will head the women's team, and Koniusz will begin his second year with the men's team, assisted by coach Rob Hupp.

Students Participate in Massachusetts "Olympics"

By Michael K. Chung
OPINION EDITOR

Last weekend, the Bay State Games, a "sports Olympics" of Massachusetts, took place in the greater Boston area, including the MIT campus. The events included women's basketball, field hockey, lacrosse, shooting, volleyball, and gymnastics.

Volleyball

Volleyball took place in Rockwell Cage on Saturday and Sunday. To compete, one had to try out for one of the teams in the six areas of Massachusetts. These teams then practiced together and prepared for the event.

Women's Volleyball

Kamilah Alexander '96, the lone undergraduate woman who represented MIT in this event, played for the "Metro" team. First was the "pool play" portion of the competition. In "pool play," each of the six teams played each other in a round-robin format. Two 11-point games were played.

At the end of the round robin, the top four teams were seeded and were invited to play for the championship on Sunday. The Metro team emerged as the second-seeded team and faced the third-seeded team in the first semi-final, which was a best-of-three match, with each game played to 15 points.

The Metro team made it to the

finals, but then lost the title to a tougher team. "We didn't play as well on Sunday as we did on Saturday, but we had a good time," Alexander said. She noted that the crowd was fairly large and lively, which made the competition better.

Men's Volleyball

The men's division shared the same format as the women's division. MIT volleyball players Chris Chong '94, Satoshi Asari '95, and Tom Klemas G were on the Metro team. After about five weeks of practice, the Metro team was ready to compete.

In the preliminaries, the Metro team sported a record of 9-1, losing its only game to the Southeast team. Throughout the round-robin, the team played reasonably well, considering the short amount of practice time.

Entering the semifinals as the first seed, Metro won its match against the Northeast team handily. The other semifinal, pitting Southeast and Coastal against each other was more closely contested, going into a third game.

In the final, Metro lost the first game. It then surged back in the second game, winning 15-8.

The last game was neck and neck in the beginning, until Southeast went ahead 11-6. Metro battled back to 11-13, when Chong, playing the middle position, made an impressive block to pull the team

back up to 12-13, then to 13-13.

Although Southeast pulled ahead to 14-13, Metro was able to clinch victory in an exciting finish, winning 16-14.

Chong credits Klemas, a strong outside hitter with powerful shots, and Asari as an effective setter and backcourt man throughout the game. Also key to the team's victory was a deep bench.

Chong was glad to have participated in the event. "The final was especially exciting because the teams were evenly matched," he said. Because of the good competition, an intense and dramatic championship was played in front of an exciting crowd.

Gymnastics

Men's and women's gymnastics took place at the MIT Gymnastics pavilion. In the men's event, there were two categories: scholastic, which fielded 30 to 40 gymnasts of high school age and under, and the open division, which fielded around 20 to 30 competitors of collegiate age and older.

The men's preliminaries were held on Saturday. The top six gymnasts in each event moved on to the finals, which were held on Sunday. Art Sheckman '95 was experienced the thrill of being a finalist. In the vault, Sheckman performed a front handspring off the horse, and scored

Games, Page 10



The Bay State Games were held at various colleges in the area, including MIT. Many MIT students participated in the competition

YUEH Z. LEE—THE TECH

Technique 1994: Yearbook of the Massachusetts Institute of Technology

In the maze of twisty passages beneath the hallowed halls of the Institute, led by a band of renegade hackers, you explore. Dense steam billows from cracked pipes, and the heat is almost overpowering. You seek escape; a ladder to a rooftop obliges. Now above the concrete jungle of columns and classrooms, the cool evening fills your lungs and moonlight washes over your face. So begins your first sleepless night.

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In the stairwell outside the exam room, books and binders balanced in your arms, you desperately struggle to absorb a term's worth of material in the few seconds remaining. The doors open, the crowd surges, and you're herded into a field of desks and partitions.

The gun fires. The race is on.



Stephen S. Hau, *Technique*

Here, in the heart of darkness and despair, you will be beaten down and pushed to the far limits of your ambition and of your ability. You will fall to your knees and crawl when you can no longer stand. But, crawl if you must... and never stop. For there is, if you can believe it, a light at the end of this tunnel.

Capture the reality of MIT behind the columns: *Technique 1994*.

Technique is this Institute's yearbook, chronicling the year in photos and reflections.

Technique captures the spirit, the joys, the frustrations, and the torments of the undergrad experience.

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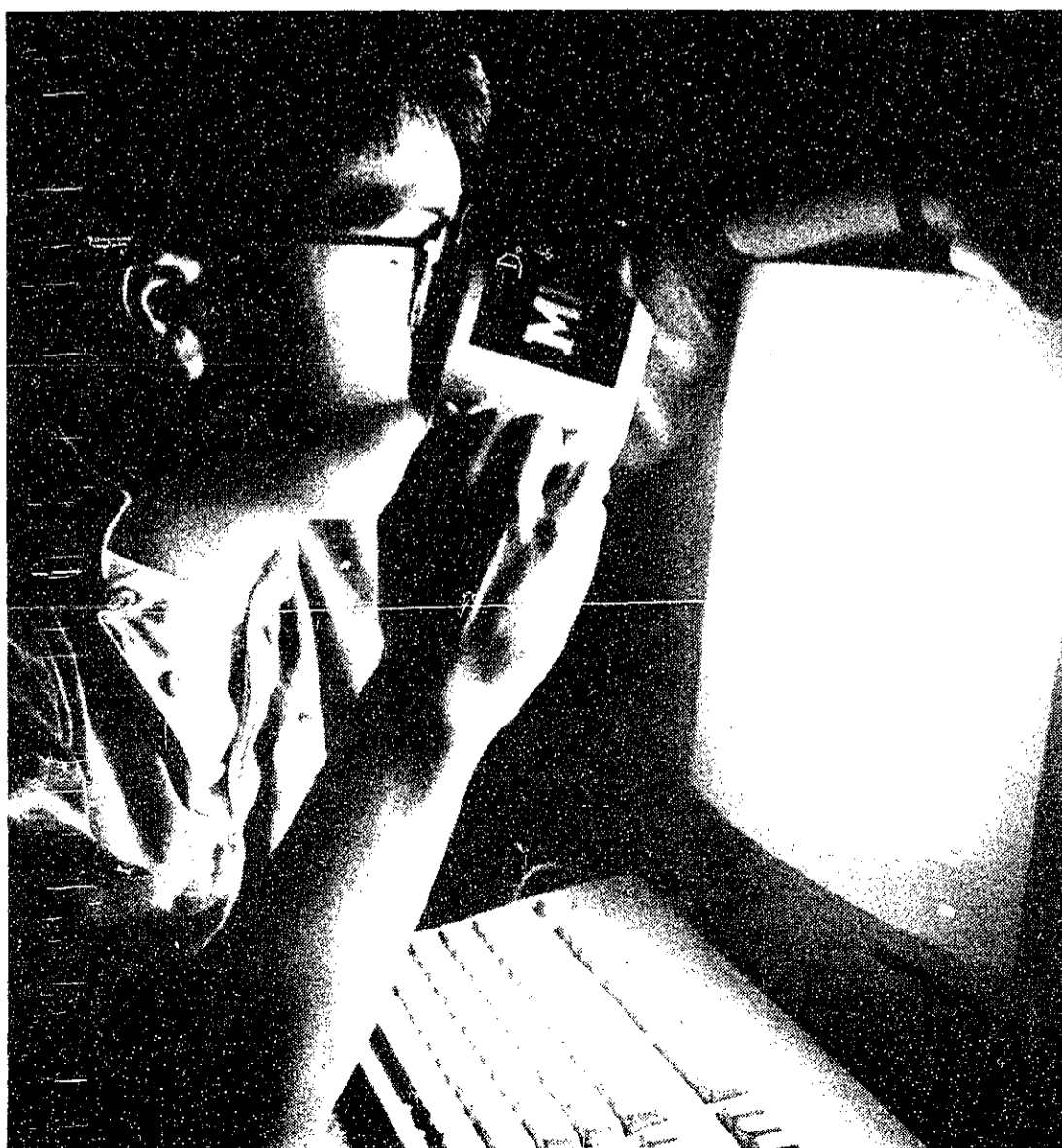
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