

UROP celebrates 20th anniversary

By Linda D'Angelo

Students, faculty, and administrators reflected on the Undergraduate Research Opportunities Program's role at MIT and made predictions about the future at the program's twentieth anniversary celebration on Monday.

UROP was founded during the 1969-70 academic year by Dean for Undergraduate Education Margaret L. A. MacVicar '65. Twenty years later, it is the "largest, most successful and most well-known program of its kind," said Norma McGavern, director of the Undergraduate Education Office.

The centerpiece of Monday's festivities was student and faculty predictions about the year 2020. These predictions were solicited "to get people thinking and to have some fun," MacVicar told *The Boston Globe*.

William Ching '93 speculated that "robots with human capabilities will assist in everyday life" and "cancer will be eradicated." Cold fusion and advanced computer capabilities would solve the energy crisis, according to Gautam Ramakrishna '93. "Biological immortality" would be achieved, Greg Bettinger '91 predicted.

As for MIT, the year 2020 may see the Institute's own space research lab so that, "in addition to the semester abroad program in another country, there will be a semester abroad program for the space station," Andrew Dickson '93 wrote. Mohanjit Jolly '91 speculated that "departments of sciences such as biology and chemistry will suffer due to increasing emphasis on engineering-only policy at MIT."

UROP itself "will expand tremendously" by 2020 because "students are willing learners and motivated workers," Christina Kwon '92 predicted. Moreover, according to Bettinger, the program will "play a crucial role in integrating students into areas of high-tech industry."

Because of the program's flexibility, which "allows people to [take on a project] when they are ready, when they want, and for as long as they want," McGavern seemed certain that UROP would still be "thoroughly woven into" the undergraduate experience in the year 2020.

UROP has been successful, and will continue to be successful, because it "taps into MIT's real strength," McGavern said. The program draws upon the high quality of faculty members, their involvement in research and their interest in undergraduate education, she explained.

The flexibility of the program is also crucial to UROP's success, according to McGavern. "Students at MIT are too diverse to fit into a cookie-cutter program," she explained.

(Please turn to page 2)



Kristine AuYeung/The Tech

Dean Margaret L. A. MacVicar '65, founder of the Undergraduate Research Opportunities Program, reflects upon UROP's 20th anniversary before speaking at Monday's celebration in Lobby 13.

MIT in debt \$65,000 to FedEx

By Andrea Lamberti
and Reuven M. Lerner

Federal Express informed MIT on January 8 without warning it would no longer service MIT's accounts on a line-of-credit basis, Director of Purchasing and Stores Barry M. Rowe said yesterday. MIT had almost exclusively used Federal Express previous to the announcement.

The termination came as a result of MIT's "failure to promptly pay for the services [Federal

Express] provides," Rowe said in a January 10 memorandum to Institute department heads, laboratory and center directors, and other members of the MIT community.

"The announcement was unexpected since we had been working closely with Federal to improve our systems and procedures to enable faster payment of their invoices," the memo continued.

"This is the first time a company that has serviced us so completely has ever taken such drastic action," Rowe said yesterday. A spokeswoman from the Federal Express office in Boston said that it is "not unusual for us to do that if we are attempting to reconcile statements."

MIT is \$65,000 in arrears, according to Rowe. He said that companies are generally allowed 30 to 60 days to reconcile their debts. MIT owed Federal Express \$40,000 for the past 30 to 60 days, \$3,000 for the 30 days before that, and another \$2,000 for the month previous to that. Rowe said that the problem stemmed from an additional \$22,000 that

were owed more than 120 days before. He said the decision to terminate credit line service to MIT hinged on this early debt.

Rowe claimed that the responsibility for the large debt is shared by both MIT and Federal Express. His memo cited "the continued failure [of MIT] . . . to indicate the Institute account number" on the airbill form as a reason for the slowness in payments. Airbills are necessary to confirm and trace shipments in the case of a missing account number. Moreover, account numbers that were indicated on the airbills "were not picked up by data entry people" at the Federal Express center in Memphis. In addition, many of the numbers that were entered were incorrect or garbled, Rowe said.

Federal's refusal to provide copies of airbills with their invoices also accounts for the breakdown in communications that occurred between MIT and Federal. Because invoices are not attached to the airbills, missing account numbers could not be

(Please turn to page 2)

Alpha Phi closer to obtaining housing

By Karen Kaplan

After aggressively searching for over five years, Alpha Phi is likely to become the first housed sorority at MIT, according to Neal Dorow, Advisor to Fraternities and Independent Living Groups. If all goes according to plan, woman students could move into the house as early as the fall of 1991.

The property that the Zeta Psi chapter of Alpha Phi is hoping to purchase includes two buildings at 477 and 479 Commonwealth Avenue in the Kenmore Square area. If purchased, the buildings would have to undergo a considerable amount of renovation before any sorority members move in. The facilities include rooms for approximately sixty residents, a large room for meetings, and kitchen facilities.

According to Dorow, Alpha Phi has been trying to work out a deal with the current owners of the Kenmore Square property for quite awhile. Sorority members first toured the buildings in late August. The two parties have since reached a purchase of sale agreement, which is contingent on zoning and licensing approval by the city. Alpha Phi has publicly filed for the first of many permits necessary for the sale to go through.

"Originally, we investigated opportunities in the Back Bay area," says Dorow. However, Back Bay residents have forbidden fraternities and sororities in their neighborhood. According to Dorow, although they may not be adverse to having a particular sorority nearby, they want to protect themselves from the possibility of ruining a quiet, peaceful



David H. Oliver/The Tech

Alpha Phi's potential new house is located in Kenmore Square on the north side of Commonwealth Avenue.

neighborhood and driving down property values. Similar restrictions apply in other parts of Boston and Cambridge. The Kenmore Square area is one of the few places relatively close to campus that is zoned for "conditional" use of land by fraternities and sororities.

On January 22, Alpha Phis led a public hearing at the Kenmore Abbey which allowed concerned residents "to voice their gripes so that we can respond to their complaints" about the possibility of

(Please turn to page 7)

Alumnus accuses Berkeley of having anti-Asian quotas

By Reuven M. Lerner
and Irene C. Kuo

Arthur Hu '80 has filed a formal complaint with the Department of Education's Office for Civil Rights against the University of California at Berkeley for discriminating against Asian-Americans. Hu, an activist against affirmative action in university admissions, charged the school with using "quotas and

differential admissions standards" to turn away Asian-American students in order to implement affirmative action.

Because schools would rather not reduce the number of white students, he said, and because they have a limited number of spaces in each class, they turn away qualified Asian-Americans to make room for underrepresented minorities.

Many Asian-Americans in the MIT community oppose Hu. "Affirmative action does not have to conflict with the 'merit-based' plans touted by its opponents," said Vivian Wu, a research fellow with the Community Fellows Program in the Department of Urban Studies and Planning. The solution lies in increasing student enrollment across all racial groups, she stressed. Moreover, Asian-Americans have benefited from affirmative action, according to Wu, who is also a member of the newly formed Asian-American Caucus at MIT.

(Please turn to page 9)

inside

Suren Bagratuni gives a rich and exciting rendition of Haydn's *Cello Concerto in D* with Sinfonova. Page 10.

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Joseph Evans isn't as nice as he seems in the Opera Company of Boston's *Madama Butterfly*. Page 11.

* * * * *

Engineer gymnasts beat Yale in a busy week. Page 19.

Federal Express cuts MIT credit

(Continued from page 1)
traced after the debt started to grow, Rowe said.

According to Rowe, Federal Express is a large operation, with "a lot of sloppiness in data entry." MIT is finding "a great many errors in [their] efforts to clean" up the accounting problems.

The problem was compounded when MIT asked Federal Express to send back the airbills from the delinquent accounts, but the airbills sent "did not relate to the problem," Rowe said. MIT could not trace the account numbers, for many of the invoices did not even belong to MIT. Rowe added that "we are working extra-heavy now to resolve the problem."

"Anytime you have a large number of departments shipping, sometimes it's difficult to reconcile the problems . . . we are working very closely with MIT," the Federal Express spokeswoman said, and "we are confident it is going to be worked out."

Other companies called in

As soon as word leaked out that Federal Express had dropped MIT's account, "all of the major carriers contacted us," Rowe said. He estimated MIT's annual shipments at \$400,000 to \$500,000 per year. Although Federal Express's treatment of MIT's account was unfair, ac-

UROPers celebrate 20 years, make predictions for future

(Continued from page 1)

UROP participation ranges between one half and one third of undergraduates, and since a program as "sound as UROP is unlikely to change substantially," McGovern expected this high level of participation to continue.

No intensive re-evaluation or revision of UROP is planned, she said. Instead, "adjustments to the program occur all the time," in a process which is "evolutionary, not revolutionary," she stressed.

Honorary Chairman of the Corporation Howard W. Johnson, who was president of the In-

stituted when the program began, reflected on "the sense of anticipation we all felt about the useful dynamics of the proposed program." He credited UROP with helping "to revolutionize education for undergraduates at MIT" and creating "large-scale reverberations in the world of education in general."

According to Rowe, the account will probably be reinstated once the problems are resolved. In the interim, the Institute has been using DHL Worldwide Courier Express and Emery Worldwide, although if people "want to use Federal, they can use Federal," he continued.

A spokesman for Emery refused to comment, and DHL did not return our telephone calls.

"Federal Express is anxious to get us back. They are bending over backwards to get us back as an account," Rowe said. He said that Federal Express will still pick up and deliver packages, but bills may not be charged to an MIT account.

Both DHL and Emery have been instructed not to accept a parcel if the accompanying airbill does not have an account number.

"DHL has been doing a fine job; everyone seems to be using DHL, and is doing just fine," Rowe said.

"I really want to get Federal Express back; they are open a lot later than DHL," commented Terri Lehane, administrative assistant in the Center for Transportation Studies. Federal Express picks up parcels much later than the other companies, making it convenient for late deliveries.

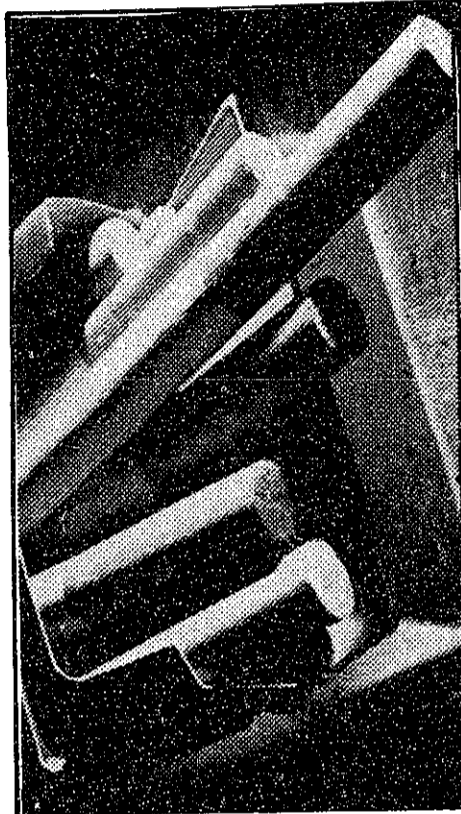
"I'm hoping that MIT gets them back," she said. "DHL is

good service, but Federal gives excellent service."

Lehane said that MIT "should keep the two" companies. "They definitely shouldn't stop Federal Express."

A source who wished to remain anonymous said "that [both MIT and Federal] tried to pin [the source of the problem] on the clerical help." The source said that while it was true "a lot of people" didn't put account numbers on the airbills, the design of the form was "pretty bad."

"It was easy to send out a bill without one of the account numbers," she said.



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news roundup

from the associated press wire

World

Communist Party favors reunification for Germany

East Germany's communist party has come out in favor of reunification for the first time, as it courts support in national elections set for March. A party spokesman said the move must be made slowly and thoughtfully. The issue is expected to dominate the campaign for seats in the East German parliament.

Gorbachev appears to be softening his opposition to German reunification. East Germany Premier Hans Modrow met with Gorbachev in Moscow yesterday. He said the Soviet leader did not rule out reunification sometime in the future. A timetable was not discussed, though.

The country's deposed leader Erich Honecker is out of prison, but not out of trouble. He was arrested Monday, but released yesterday due to poor health. Honecker faces a treason trial in March.

Drug cartels to propose peace

Colombian drug traffickers may be preparing to launch a new peace initiative. The RCN radio network in Bogota said on Monday it received a statement purporting to be from the traffickers. The message said a former diplomat — reportedly abducted on Friday — would deliver the new peace proposal to President Virgilio Barco.

Gorbachev may give up position as head of Communist Party

There has been speculation for weeks now that Soviet leader Gorbachev is going to give up his post as head of the Soviet Communist Party but hold on to the presidency, sources in the Bush administration say. The sources say, however, that there's no information yet that he's going to take that step.

A spokeswoman for Secretary of State Baker says that he's re-scheduling his upcoming talks in Moscow with the Soviet foreign minister so the talks won't interfere with a meeting of the Communist Party Central Committee. Baker is now due in Moscow February 8 instead of the seventh, to allow for a meeting of the communist party leadership.

Britain asks for help in Hong Kong

The British Foreign Secretary is asking for United States help in easing Hong Kong's transition from British to Chinese rule. Foreign Secretary Douglas Hurd was in Washington on Monday to meet with United States officials. The colony is due to revert to Chinese rule in 1997. Hurd wants the Bush Administration to grant United States passports to Hong Kong residents working for American companies to reassure their security.

Hungarians reject higher prices

Thousands of demonstrators marched on the Hungarian parliament in Budapest on Monday, protesting higher prices. More than 20,000 disgruntled citizens chanted "we're fed up," demanded pay raises, and threatened a general strike. Earlier this month, numerous price increases went into effect for items ranging from food to public transportation.

Havel hopes to host Mideast summit

If Presidents Bush and Gorbachev will not hold their next meeting in Czechoslovakia, perhaps Middle East peace negotiators will. New Czechoslovak president Vaclav Havel has offered to host the next superpower summit — but it is already set for a site in the United States. Now Havel has invited Israelis and PLO members to come work out their differences over the occupied lands.

Soviet Ambassador softens description

The Soviet Ambassador to the United States took issue on Monday with a document made by the Kremlin's defense chief. Yuri Dubinin said in Washington that Soviet forces were sent to Azerbaijan only to stop "an orgy of killings." Recently, Soviet Defense Minister Dmitri Yazov said the troops intervened to prevent nationalists from seizing power.

Nation

Bush presents new budget

Congressional Democrats have wasted little time tearing into President Bush's proposed budget. The \$1.23 trillion purchase for 1991 was officially unveiled on Capitol Hill on Monday. The budget realigns military installations, allocates more for SDI research and creates a new foreign aid program for emerging East Bloc countries.

Senator Edward Kennedy denounced the budget proposal as "a Rip Van Winkle budget that has not yet awakened to changes in the world." Kennedy and other Senate Democrats are deriding the plan as being too generous at a time of easing tensions with the Soviet Bloc.

But Defense Secretary Dick Cheney said it is too soon for the budget to reflect the benefits of the so-called "peace dividend." Cheney told reporters at the Pentagon that changing political tides in Eastern Europe have brought about less of a military threat, but there is still a need for caution. Bush added that he was actually seeking a reduction in military outlays, with Pentagon spending held at two percent inflation — less than enough to keep up with anticipated inflation.

Fights also loom between Bush and Congressional Democrats on a range of domestic fronts. In his budget plan, Bush has recycled many proposals that did not reach enactment in 1989. Among them: a tightening of the Clean Air Act and a reduction in the capital gains tax rate. True to his campaign promises, however, Bush did not propose any new general tax increases in his budget. Instead, he has recommended \$15.5 billion in lesser tax increases, and \$5.6 billion in user and service fees.

The US Conference of Mayors does not approve of Bush's budget plan for cities. The conference objects to Bush's call for cuts in funding for mass transit, sewage plants, housing subsidies and student aid. The group's executive director calls the list a "turkey list."

Fuel shortage blamed in Avianca crash

Authorities said on Monday that it turns out that word of a fuel shortage was relayed before a Colombian jetliner slammed into Long Island last week, killing 73 people. But a spokesman for the Federal Aviation Administration said the pilot never made the urgency of the situation clear in any of his communications with controllers. He said that had they used the words "fuel emergency," air traffic controllers would have taken action to prevent a crash. The FAA report conflicts with last night's statement conflicts with last night's statement by the National Transportation Safety Board, which said the local controllers were not even told of the fuel shortage in the handoff from regional controllers.

Quayle completes Latin America visit

Vice President Dan Quayle wrapped up a fence-mending trip to Central America and the Caribbean on Monday. He got a warm welcome in Panama, but failed to build much support elsewhere for the United States invasion of Panama that toppled the Noriega regime.

Anti-abortion activist free

Anti-abortion activist Randall Terry is a free man, after more than three months behind bars. He was convicted of criminal trespass for taking part in a 1988 anti-abortion protest. He chose to go to jail rather than pay a fine he said was unjust. Officials say a Terry representative paid the fine.

County official denounces child burner

A county official in Northern California said on Monday that he does not want paroled child burner Charles Rothenberg "dumped on Oakland." Alameda county official Don Parata said Rothenberg should be paroled to a rural town where everyone can keep track of him. The complaint followed a published report that Rothenberg may already have been taken to Oakland. Thirteen-year old David Rothenberg, who was set afire and left for dead by his father seven years ago, lives in Southern California.

Blue laws challenged in North Dakota

The toughest "blue law" in the country — the law in North Dakota that requires some businesses to be closed on Sunday — is under attack in the state's courts. Fifteen businesses are asking that the law be overturned. The law lists 44 items that cannot be sold on Sunday, and it lists 37 types of businesses that may open on Sunday, including grocery and convenience stores. Department stores cannot open on Sundays, though. The businesses that filed the suit claim the law is vague and unconstitutional.

Second Avianca victim found carrying cocaine

A second person on the Colombian Avianca airline crash on Long Island last week was found to have been carrying cocaine, police say. They said he had swallowed at least 18 condoms filled with cocaine. He has been charged with possession of the drug, but remains hospitalized with critical injuries.

Local

Roof collapses under heavy snow

Heavy snow has collapsed a department store roof in Dexter, Maine — a small community near Bangor. State police say at least two people have been brought out by rescuers, but there is no word on their condition. There is also no word on the number of people remaining inside.

Providence priest unaware of scandal until police investigation

Roman Catholic Bishop Louis Gelineau claimed he never received any proof that a priest in the statewide diocese of Providence may have been involved in a "scandal of little boys," as it was called by another priest, until he was informed of a state police investigation. In a pretrial testimony released yesterday, Gelineau said that he was aware of a "malaise" within the Briston parish, headed by Reverend William O'Connell, but that he was never given a good reason to believe that O'Connell was involved with boys at St. Mary's Church.

Depositions released yesterday by Gelineau and Auxiliary Bishop Kenneth Angell contained information on what they knew about the allegations and when. The pretrial testimony is part of a \$14 million lawsuit against the church. A Narragansett woman and her son claim the church was negligent in relieving O'Connell of his duties when they knew, or should have known, of the allegations against him. O'Connell was convicted in 1986 of molesting the Narragansett boy and two others.

Sports

Super Bowl rates third lowest

Super Bowl XXIV last Sunday was the lowest-rated NFL championship game in 21 years and the third lowest ever. According to national rankings released by the A-C Nielsen company, the game averaged a 39 rating and a 63 share, the lowest since the New York Jets surprised the Baltimore Colts in Super Bowl III in 1969. Only that game and Super Bowl II had fewer television viewers than Sunday's landslide.

NBA all-star game features strong reserves

He may not be a starter, but Utah Jazz power-forward Karl Malone will play in the NBA all-star game in Miami February 11. After being ignored by fans who elected the starting players, Malone threatened to boycott the game. Now that he's been picked as a reserve he'll be playing. Also playing for the West Squad are San Francisco center David Robinson, Tom Chambers, and Kevin Johnson of Phoenix, Clyde Drexler of Portland, Fat Lever of Denver and Chris Muller of Golden State.

The East squad of the All-Star game will feature as reserve players Joe Dumars and Dennis Rodman of the Detroit Pistons and Kevin McHale and Robert Parish of the Boston Celtics. Reggie Miller of Indiana, Scottie Pippen of Chicago and Dominique Wilkins of Atlanta will also play for the star East squad.

In other NBA news, Milwaukee Bucks coach Del Harris was fined \$2500 for criticizing officials after his club lost to the Los Angeles Lakers last week. Harris also received two technical fouls and was ejected from the contest in Inglewood, CA.

Weather

Enjoy it while it lasts. . .

High pressure will dominate the weather in New England today and tomorrow, bringing mild temperatures and light winds. Behind this high will be a trough of low pressure and an area of rain showers, which will pass over our area early Friday morning. Arctic air that is currently dropping into the Midwest will follow the trough and bring colder weather to our area this weekend.

Wednesday: Mostly sunny with highs near 44. Light westerly winds.

Wednesday night: Clear with lows near freezing.

Thursday: Sunny in the morning. Increasing clouds in the afternoon with a chance of rain after dark. Highs 44-46. Light winds.

Friday: Rain in the morning, ending in the afternoon. Early morning highs of 44-47, then falling into the 30's in the afternoon.

Forecast by Greg Bettinger
Robert J. Conzemius
Michael Hess
Yeh-Kai Tung

Compiled by Reuven Lerner and Andrea Lamberti

opinion

Washington march supports pro-life

Column by Juan Latasa and Chris Papineau

"If abortion is not wrong, then nothing is wrong." These were the words of Michael Schwartz of the Free Congress Foundation in his address to the American Collegians for Life at their third annual conference held at Georgetown University, January 20 through January 22. Among the college students from across the country in attendance at the conference, there were 8 students representing MIT Pro-Life, a student organization at MIT dedicated to foster educational support on campus for the pro-life position.

"We are here because we must be. We must respond to the slaughtering of 1.5 million precious babies a year in this country," said Molly Kelly, a Pennsylvanian activist, at the opening session. The conference included such pro-life leaders as New Jersey Congressman Chris Smith, National Right to Life Committee president Dr. Jack Willke, American Victims of Abortion director Olivia Gans, and American Feminists for Life secretary, Sharon Long.

This gathering displays an unmistakable testimony to the objections of many enlightened young people across the nation to the killing of over 25 million pre-born children since abortion became legal. A sign of the rising pro-life activism in campuses, this year's attendance amply surpassed the most optimistic expectations: in its first year, the conference attracted less than 50 students. Last year, there were about 150. This year, a staggering 600 attended — so many, in fact, that many were told that they could not attend the final banquet and their fees had to be partially refunded. Moreover, a most salient point to ponder regarding the attendance was the overwhelming female majority. The audience burst into applause when, during one of the speeches, a leading Pro-Life woman re-named a well-known national pro-abortion group as "National Organization of (Some) Women."

A busload of Boston area students, including the MIT representatives, left on Friday, Jan. 19, for a weekend to culminate in the Annual March for Life on Monday, Jan. 22. The rally marked the anniversary of the 1973 Supreme Court *Roe v. Wade* decision which legalized abortion.

There was some interesting discourse during the weekend for many present. Mary Beth Seader, from the National Committee on Adoption, cited the state with the highest adoption/abortion ratio in the nation as Utah, with 51.9 adoptions per 1000 abortions. The state with the lowest such ratio is New Jersey, with 1.9 adoptions per 1000 abortions. At the same time, we find that more than half of all adopted babies are "unhealthy" — there is a large waiting list to adopt Down Syndrome and AIDS babies (there were 11 couples in line to adopt the famous Baby Doe, starved to death in Indiana by her parents). Another grave misconception is that no one wants to adopt blacks and minorities, when many agencies actually prevent white couples from adopting such babies. In fact, couples who foster parent black children and then request to adopt often have the child taken away because they were "becoming too attached." Seader spoke of the many parents who have to go overseas to adopt because the waiting lists are simply too long in the USA. Many students left Seader's presentation wondering why "unwanted" is a term always associated with children but never with whales or snail darters or bald eagles. By the way, a popular T-shirt at the Conference depicted a baby seal with a sign reading "Save the baby humans!"

Perhaps the most striking new development was an innovative possible solution for the so called "hard case" abortions, suggested by Dr. Bernard Nathanson. Nathanson was a co-founder of the National Abortion Rights Action League and once owned the largest abortion mill in the Western world, until he did an about-face and led the Pro-Life movement, speaking of the fact that he "presided over 60,000 deaths." Dr. Nathanson started by pointing out that many are discouraged by the failure of the Pro-Life movement to come up with a politically satisfying solution for the pro-abortion knockout punch: "What do you do when your 14-year old daughter is raped by six men in an alley and becomes pregnant?" This, coupled with fetal deformity and risk of the mother's life cases are what is scaring politicians and the American people.

However, he added, it has been clearly shown that the majority of Americans do not support "abortion on demand." All polls of the major publications show that the public is against the right of a woman to procure an abortion for any reason that she wants. Barring the hard cases (which together do not account for more than 5% of the total number of abortions of this country), he concluded, America is Pro-Life.

Nathanson's solution is one which is sensitive to a woman's desire not to carry a pregnancy to term in any of the hard cases, while still being able to save the babies involved. He showed how in the vast ma-

majority of each of the hard cases not a plan is made to terminate the pregnancy, because of the circumstances involved, until around and beyond the 20th week. First, in the case of fetal deformity, tests to diagnose it by amniocentesis are not usually carried out until around the 16th week of pregnancy, plus 2 or 3 weeks needed to analyze the results. Second, in the case of the mother's life being at risk because of the pregnancy (nowadays, these account for less than .1% of the abortions), such risks are not seriously threatening until around the 28th week. Third, and most controversial, in the case of rape or incest, the truth of the matter is that the vast majority of these cases are not reported until it becomes obvious that the woman is pregnant, which is some where around the 17th or 18th week, to which you have to add some time for tests to verify the truth of the nature of the rape.

The audience burst into applause when, during one of the speeches, a leading Pro-Life woman re-named a well-known national pro-abortion group as "National Organization of (Some) Women."

Next, Nathanson defends that state-of-the-art premature nurseries can offer modern studies which showed 40-50% chance of survival for babies born at this age. The figures are 90-95% chance for babies born at 25 weeks. He also mentioned that great progress was being done with a new fluid which would fill the baby's delicate lungs and could help the baby breathe outside of the mother's womb as early as at 15 weeks of age.

Nathanson's proposition to Pro-Life political candidates on the hard cases, is to advocate saving these "unwanted" babies' lives by inducing premature deliveries with prostaglandin (a safe drug for both the mother and the child) as early as at the 22nd week of pregnancy. These babies would then be nourished and fed until they can be given up for adoption and brought up in a caring home. Finally, he added, if hard core pro-abortion elements oppose this legislation, they will be exposed as not actually wanting to end the pregnancy, but to kill the child.

At the banquet the night before the March for Life, Dr. Jack Willke, president of National Right to Life, spoke of the need of never using the term "pro-choice", as it sanitizes what the choice is — the choice to kill. The word "choice" was the result of thousands of dollars in research done at the beginning of the seventies in an effort to make the abortion-rights movement sound "nicer." It certainly was ingenious. It has sold abortions better than the golden arches have sold hamburgers.

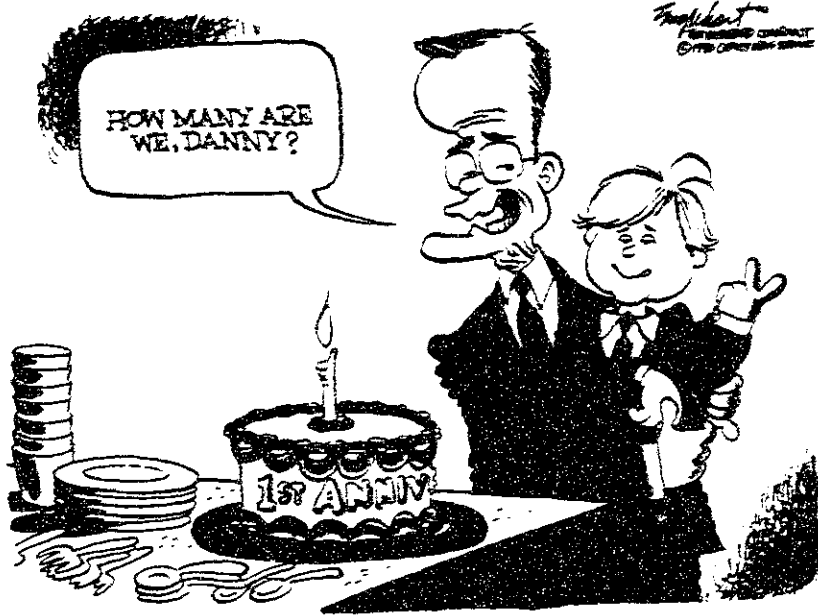
There were thousands of enthusiastic students (busloads from colleges as far as Ohio and Texas spent several days on the road to get there) making a statement for the Pro-Life young people of America. Popular cheers heard were "Stop the Killing, Life is Great!" and "All we are saying is give life a chance!" There were lots of "Feminists for Life" and "Atheists for Life," and those which carried signs which said "Be glad you are already born." But the majority of the crowd (estimated at over 75,000 by the Boston Globe) were families. There was a mood in the air that Pro-Life America was marching with the confidence that legalized child killing shall soon be no more.

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Columns and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

The Tech welcomes letters from its readers. All letters are subject to editing and are published solely at the editors' discretion. Authors must sign their letters and include their phone number, and MIT affiliation, if any, for verification, and should type letters double-spaced for ease of reading. Send letters to: Letters to the Editor, **The Tech**, P.O. Box 29, MIT Branch, Cambridge, MA 02139; or to Room W20-483 by interdepartmental mail.



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opinion

LETTERS TO THE EDITOR

Depth of technical studies does not imply social narrowness

I would like to know why Mr. Lerner in his opinion ["Being a nerd isn't everything," Jan. 24] implies that it is not "human" to have a passionate interest in science and engineering? It is extremely human to be interested in Maxwell's equations — no other animal on earth possesses this interest. Social stereotypes would have us believe that it is more human to have a passion for baseball or parties than to have a passion for science. The human spirit expresses itself in many ways — a passionate kiss, social service, the climbing of Mount

Everest, in art and in creative inventions. The diversity in the human race is tremendous and different people express themselves in different ways. For some, an all-absorbing passion dominates all of their lives, while some find an involvement in several activities more stimulation. This does not mean that the latter are more human and personally developed than the former. Personal philosophy and natural inclination must not be confused with humanness.

Mr. Lerner also says that "being the best at something, even

the world's best at something doesn't make you educated. It makes you an automaton, able to do one job extremely well." By that definition, Albert Einstein, Isaac Newton, Carl Gauss and Michelangelo were uneducated automatons who machined away with no creativity or insight and chanced to come up with their beautiful theories and sculptures. There is joy, awe, excitement and plenty of human emotion in science and supposed automatons — Archimedes would not have run out of his bath naked and yelled "eureka!" in the streets if

he had been an automaton. The tradition at MIT has been to sacrifice breadth for depth. A deep pursuit of one field equips the mind to think about, and contribute to, issues in other fields because the characteristics of knowledge are similar across all fields; only the specifics change. In the long run, it is far more profitable and humbling to go deep into one branch of knowledge than to spread oneself thin. Depth can and often does lead to breadth as several fields of knowledge merge at the fundamentals. I do appreciate Mr. Lerner's point that information just seems to be whizzing by at such a rapid pace here that it does sometimes feel like one is a human calculator moving from problem set to problem set and quite out

of breath. Hours of study spent on things instead of with people do lead to poor social skills. However, as a senior looking back, I believe that the intense education was the right decision as things and people come into better perspective with practice and maturity. The analytic skills that have been developed are generic and may be used profitably wherever needed. The science and engineering talent that abound here can easily give one the wrong idea that they are common commodities. I think we should be proud of the unique and rare breed of people that exist here with all their limitations rather than be ashamed of them.

Rahul Sarpehkar '90

MIT scholars asked to join protest of El Salvador murders

(Editor's note: The Tech received a copy of this letter addressed to President Gray '54)

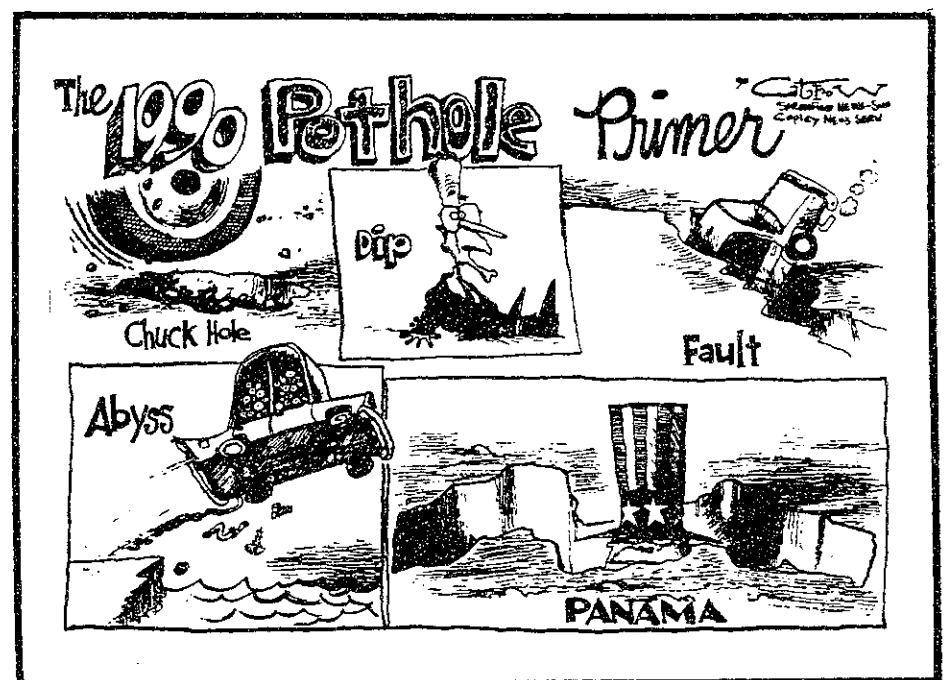
Thank you for agreeing to meet with members of the MIT Committee on Central America (COCA) on Friday, February 2, to discuss our petition on El Salvador. COCA is a group of students and staff educating the MIT community about the U. S. interventionist policy in Central America and working to change that policy.

In the aftermath of the November 15 murder of six priests at the University of Central America in San Salvador, we drew up a petition inviting you, as president of MIT, to join us in calling for a suspension of United States aid to the government of El Salvador. As of January 26, this petition has gathered 718 signatures.


We conceived the idea of including you in the petition because the Jesuit priests who were murdered (the rector of the university and five professors) were academics, our colleagues. Since many prominent United States clergy have condemned the repressive policies of the Salvadoran government, we hope that the academic community will speak up as well. We recall that after the June 4 massacre at Tiananmen Square, you saw fit to mention the issue at MIT's commencement. We hope that you will show an equal concern for human rights and democracy in a case where the United States has substantial influence. We also feel that a response from MIT, a cornerstone of the United States' military technological base which helps keeps the Salvadoran government in power is particularly

appropriate. Finally, we wish to emphasize that while the six priests who were murdered in mid-November grabbed the headlines, they were in no sense "more important" than the 70,000 civilians who have died in El Salvador over the course of the country's civil war, the vast majority at the hands of the U.S.-trained and equipped military. Civilian opponents of the government continue to be imprisoned, tortured, and murdered to this day. United States rhetoric on human rights will never be heeded until that rhetoric is backed by strong action, namely a suspension of aid until the Salvadoran government agrees to seek a peaceful resolution to the conflict and end its severe abuses of human rights.

Michael Peterson G
Barry Klinger G



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Alpha Phi closer to getting house

(Continued from page 1)
 the sorority moving in, according to Joanne Spetz '90, an Alpha Phi member who was instrumental in organizing the meeting. The hearing included presentations made by students, lawyers, regional Alpha Phi representatives and an architect. The concerns of the few residents who attended the hearing include increased amounts of traffic, trash, and noisy students.

Sorority members feel they are able to respond to the community's concerns. "If they say they're worried about trash, Alpha Phi says 'We're 60 more people to help pick it up,'" says Spetz. Since the buildings do not provide any parking spaces, traffic is not likely to become a bigger problem either. Dorow points out that sororities have a quieter "environment" than fraternities, and with a no-alcohol policy, Alpha Phi says it is unlikely to sponsor noisy events. Alpha Phi President Anne E. Rhee '90 adds that since members will feel that the house is their "own property," they will be more inclined to take better care of it.

Rhee and others feel the outlook for living in Kenmore Square is good. "Alpha Phi has been involved in several community service projects in the area," she explains. Sorority members participated in the Kenmore Square Fair, clean-up projects,

food drives, and have visited area nursing homes. Rhee feels that such "community relations activities" are an essential part of gaining neighborhood acceptance.

With one sorority house in place, up to 60 new spaces for students will open up in various dorms on campus. But despite recent concerns about overcrowding in the dorms, Steve Immerman, Director of Special Services, Office of the Senior Vice President, insists this fact has little to do with MIT's support for getting sororities housed. "The primary reason [for looking for sorority houses] is that the sororities want it," says Immerman, praising Alpha Phi's extensive lobbying effort. Dorow calls it "an equity issue. There are many living group options for men, and significantly fewer for women," he says. "Basically, it's the right thing to do."

The MIT Panhellenic Conference has also been making an effort to provide sororities with housing. Even though the Panhellenic bylaws state that sororities will be housed in order of their installation on campus, President Kris Newton '90 says, "We want all sororities to be housed." To this end, Panhel members have worked with the housing office and developed a list of "minimum requirements" for a potential sorority house. "Panhel has also made a great effort to encourage everyone to get

involved in Kenmore Square," Newton says.

Another issue that goes along with sorority housing is that of student security. Because it is dangerous, especially for women, to walk across the Harvard Bridge and into Boston alone at night, MIT is more seriously considering plans for some type of shuttle service. "It could come in one of many forms," predicts Immerman, including possible combinations of escort services and predetermined routes. He says it is a "reasonable assumption" that some form of enhanced escort or shuttle service would be in place by the fall of 1991.

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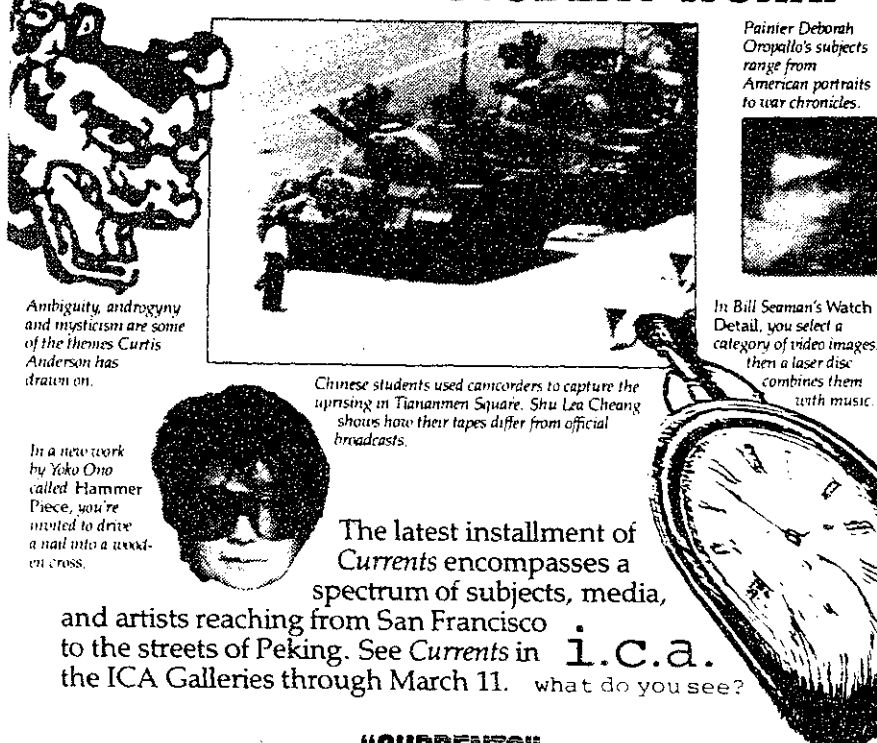
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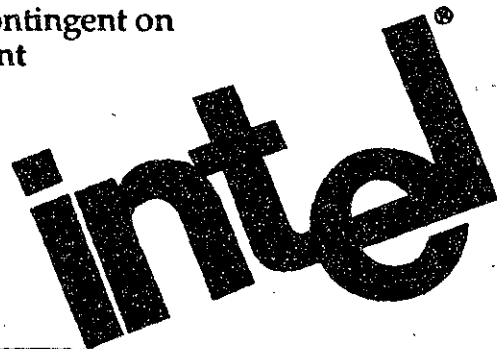
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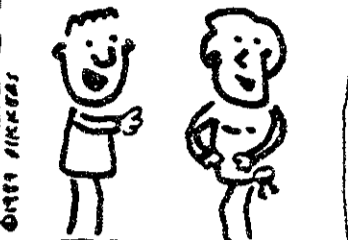
comics

Jim's

At the bookstore today I was punching in on the time clock.



Jean, the manager, and Rick, one of the clerks, were joking about something.



Jean had a secret about Rick and was going to tell everybody.



I didn't know what it was all about, but everybody was having a good time—even Rick.



Tony was reading The New York Times over his breakfast today.



As he was leaving for class he walked by Steve, who was watching "The Joker's Wild."



"How can you watch that nonsense?" he said.



After Tony left, Steve looked at me like he didn't know what was going on.



Journal

I had a hard time getting up today.



My alarm went off at 7, but I reset it for 7:30.



At 7:30 I reset it for 8, and at 8 I reset it for 8:30.



I thought I'd feel more like getting up each time, but I never did.



by **Jim**

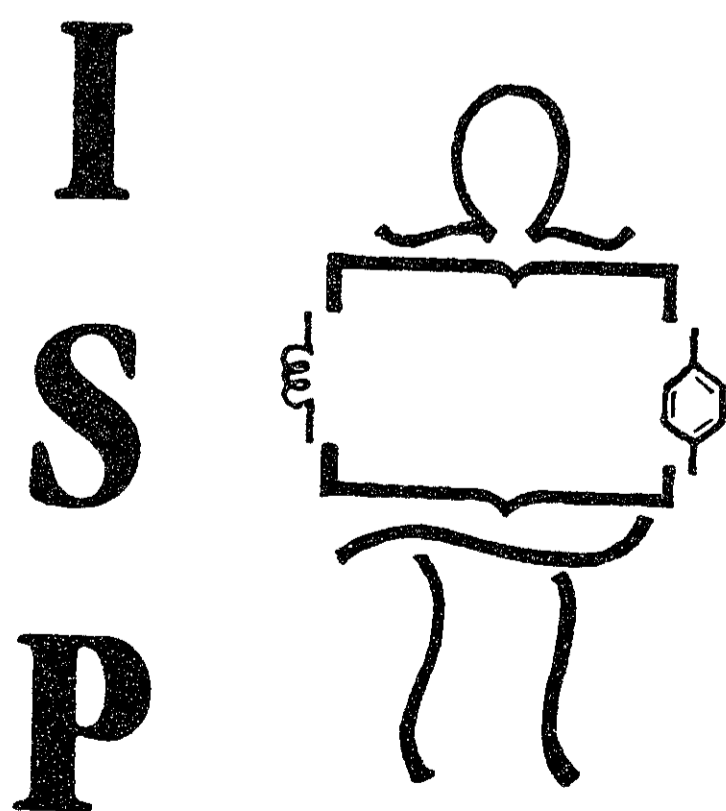
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Berkeley subject of anti-Asian discrimination complaint

(Continued from page 1)

Nonetheless, Hu's complaint has prompted the OCR to investigate Berkeley admissions policies.

In his complaint, Hu accused both Berkeley and the University of California at Los Angeles of using "a quota to fix the number of whites in 1984." Hu also accused Harvard University, saying that Asian-Americans were accepted "at rates 20 to 30 percent less than whites starting in 1982 and ending in 1986."

If Hu's accusation is proved valid, and if Berkeley refuses to reform their admission policies, the school could be cut off from federal financial aid, according to OCR spokesman Jack McGrath.

Berkeley Chancellor Ira Michael Heyman denied the allegations. "These are the right students to be here, and that they will do our state and the world proud when they go on to leadership positions in all walks of life."

Harvard's director of admissions released a similar statement, saying that Harvard "has

worked hard to enroll so many outstanding Asian-Americans," and said that they have "met with great academic and extracurricular success after enrolling at Harvard and Radcliffe." He added that the discrepancy in admissions figures was partially due to "very few Asian-Americans in our applicant pool who are alumni/ae children or prospective varsity athletes."

McGrath said that the OCR is required by law to "investigate all complete complaints," and that Hu's letter left them with "no choice" but to investigate Berkeley. He added that Harvard and UCLA are under similar investigations, but that those reviews were begun based on "information received from regional offices," not because of Hu's letter. Hu, however, noted that his letter was "the first written complaint that [the OCR] used" in the Harvard investigation.

McGrath said that the OCR receives over 3000 formal complaints each year, every one of which must be investigated. Another 200 investigations are the result of discussions with "com-

munity groups, the NAACP, advocates for the handicapped, women's rights groups," and local ethnic groups, he added. After the OCR determines that a compliance review is in order, the school is notified of the upcoming investigation, he said.

Raymond Colvig, a public information officer at Berkeley, said that the school could be cut off from Department of Education financial assistance if they were found to have been discriminating against any one group, but added that "we don't believe the department will find that we have violated the law."

Colvig said that Berkeley will be changing its admissions policy this year, because "we now have a fully integrated student body," with "no ethnic majority in the entire student body." He said that Berkeley was the "first university in the country without an ethnic majority in the student body."

He also said that Berkeley will be in "good shape to cooperate, because we have done an enormous amount of study on admissions here." The school's admissions policy has been reviewed by several different committees in the recent past.

Effect on MIT admissions policy should be minimal

Michael Behnke, the director of admissions at MIT, called the admission of Asian-Americans a "serious issue." He added that "it is not apparent" whether the investigations will affect MIT policies, since "Asian-Americans do not have a lower acceptance rate"

than whites. He noted Berkeley's "complicated system for allocating places" in each class, and said that "everybody has been arguing continually" about the school's policies.

Behnke said that "other admissions people" are worried that Asian-Americans will "get the idea that they are unwelcome at schools which have selective, private admissions." He added that the media have "taken the tone that there is some sort of quota" against them. But though "one could argue that other institutions have some sort of quota," he denied any "anti-Asian feeling" in university admissions offices.

McGrath said that all universities receiving federal funds are potential targets of investigations, and that MIT could be reviewed if they use such funds. If a violation is found, the university and the OCR enter negotiations. He noted that negotiations cannot "result in anything other than full compliance" with anti-discrimination laws.

Hu complained that "the [MIT] administration has never touched" the issue of lower standards for minority entrance, and that "every time someone at MIT has done a study like that, it has been suppressed." He said that if schools such as MIT will use different criteria to admit different groups, then those standards should be made public.

McGrath said that he expects "to close the Harvard and UCLA" complaints "before the end of the school year." The

UCLA investigation includes three undergraduate and 42 graduate programs, he said, and may take many months to complete.

MIT students strongly oppose Hu's view

Participants in last night's meeting of the AAC distanced themselves from Hu. Hei-Wai Chan G said, "Hu does not represent the Asian-American community; the views he puts forth are his personal ones." He added, "If Hu wanted to be on the MIT Corporation, I'm sure there would be a major effort to prevent his election. He would not be qualified to represent Asian-American interests in that capacity."

"Hu is a right-wing mouth," summarized Wu. The political right has traditionally opposed affirmative action and has a powerful weapon in minorities like Hu, she noted.

Wu noted that "when there were no blacks on campus, there were no Asians either. Asians got there because of black student activism. Hu never mentions this point."

Chan believes that Asians and whites should be admitted on an equal basis and already are. "That's why 24 percent of the undergraduate population at MIT is Asian," he said.

"Admissions is a more pressing question for blacks and Hispanics," he said. "I think the problem at MIT lies in that the admissions office has difficulty recruiting such students, not that there are not enough spaces."

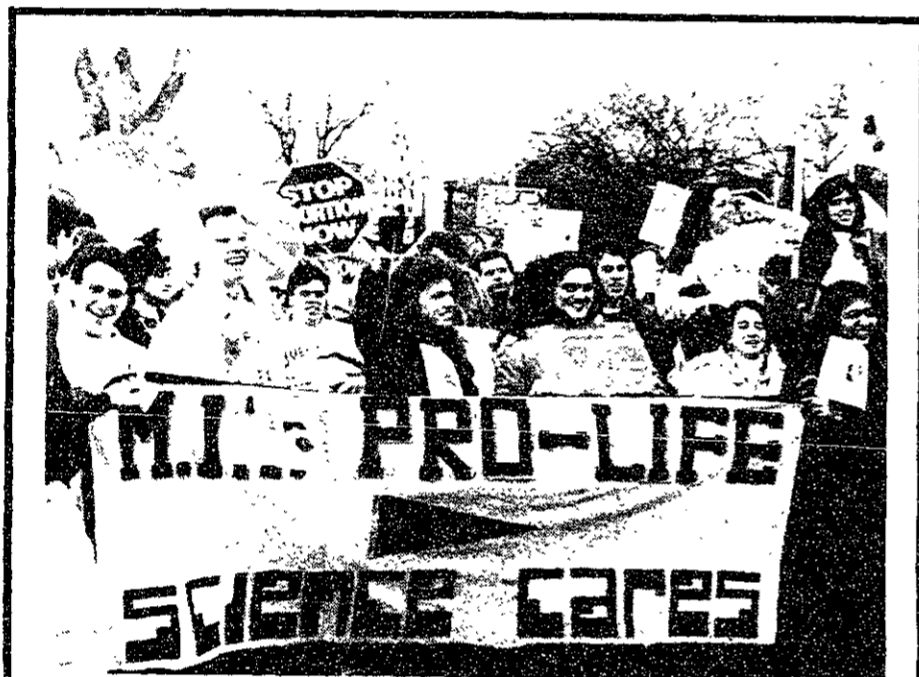


Photo Courtesy of Juan Latasa
MIT demonstrators protest abortion during the pro-life conference at Georgetown University in mid-January.

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EDS

Armenian soloist, SinfoNova delight with joyful program



Suren Bagratuni

Jonathan Richmond/The Tech

SINFONOVA

Conducted by Aram Gharabekian.
Suren Bagratuni, cello soloist.
Program of works by Mozart,
Haydn, Webern, and Strauss.
Event in The Tech Performing Arts Series.
Jordan Hall, January 27.

By JONATHAN RICHMOND

SINFONOVA GAVE ONE OF ITS BEST ever showings last Saturday night, with three out of four of the orchestra's offerings showing real depth and insight. The opening work — Mozart's *Serenata Notturna* — proved to be the one failure of the evening, and is best quickly forgotten. The performance came across heavy, plodding and graceless, everything a Mozart serenade should not be.

But Haydn's *Cello Concerto in D* rapidly changed the mood: sunshine, humor and touches of pathos were to be found from both soloist and ensemble, and the two worked harmoniously as one.

Suren Bagratuni distinguished himself at the "Making Music Together" Soviet-American Cultural Exchange held in Boston in 1988. The Soviet Armenian-born cellist won the Silver Medal in the 1986 Tchaikovsky Competition and the First Prize and Special Chamber Music Prize of the 1988 Vittorio Gui International Competition in Florence. The richness of his tone and inventiveness of his playing easily explain why.

Bagratuni delighted the audience last Saturday night not only with his fine sense of legato and delicate, detailed playing — the subtlety of his coloration in the *Adagio* was particularly evocative — but with his bubbling sense of wit in the outer movements. He kept the audience's ears on their toes throughout this well-known work.

SinfoNova, meanwhile, provided a sensitive accompaniment, supple string playing rising to support and meld with Bagratuni's solo work. Gharabekian caught just the right pace: flowing and joyous, yet cohesive.

Despite Bagratuni's enormous success with the Haydn, he was in somewhat somber mood at the post-concert reception due to having played on what he referred to as a "second-class instrument." As a reward for his success in the Tchaikovsky Competition, Bagratuni had been provided with a Stradivarius cello by the Soviet government (in the Soviet Union, almost all high-quality soloists' instruments are government-owned and loaned to individual musicians) but, just 15 days before his scheduled appearance in Boston had been required to turn it in, without explanation. An inferior instrument was provided in its place. Given Bagratuni's unusual talent and his inability to obtain an instrument he is happy with other than through the government, it is to be hoped that the authorities will quickly return his Stradivarius.

Aram Gharabekian led his band into the second half of the concert with an incisive performance of Webern's *Five Movements, Op. 5*. Gharabekian found impressions of tension, but also of quiet and stillness in these remarkable works, making them completely involving. Concertmaster Tison Street's solo work was particularly notable here.

Strauss's *Metamorphosen*, a study for 23 strings, ended the evening and showed Gharabekian at his most enraptured. This is an intimate work and each player introduced a personal touch; it is also, however, a dynamic work — in many ways it can be said to be about *movement* — and the sense of waves of music being crafted and projected into the audience was invigorating. A wonderful evening for SinfoNova.

Wednesday, Jan. 31

CONTEMPORARY MUSIC

**** CRITICS' CHOICE ****
Marshall Cramshaw and The Brothers Kandel perform a 1 pm at the Paradise 167 Commonwealth Avenue, Boston. Telephone: 262-2437.

Plena, Unintentional, Star Jucker, and Trip Wire perform at 1 pm at the Paradise 167 Commonwealth Avenue, Boston. Telephone: 262-2437.

Malikene, Zog Zog, Joana Vera, and Hildegarde perform at the Channel, 22 Necco Street, near South Station in downtown Boston. Admission: \$3.50. Telephone: 451-1965.

Low Profile, TV Dreams, Wow! Am I Tired!, and The Stand perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

**** CRITICS' CHOICE ****
Chuck and Shockra perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

One World performs at the Western Front, 343 Western Avenue, Cambridge. Telephone: 492-7772.

Pinetop Perkins, Big Daddy Kinsey, Hubert Sumlin, Little Mike and The Tornadoes perform at 8 pm & 11 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$10. Telephone: 497-8200.

Holy Cow performs in an 18+ ages show at Ground Zero, 512 Massachusetts Avenue, Cambridge. Telephone: 492-9545.

Naughty Bits, Back Bay Project, and Suspicious perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$3.50. Telephone: 426-7744.

FILM & VIDEO

The MIT Lecture Series Committee presents Science Fiction Marathon XII, featuring *Robocop*, *The Trouble With Tribbles*, *Return of the Jedi*, *The Creature from the Black Lagoon* in 3-D, *First Men in the Moon*, *When Worlds Collide*, and *Highlander*, beginning at 6 pm in 26-100. Admission: \$3. Tel: 258-8881.

The Coolidge Corner Theatre Foundation continues its *Best of the Coolidge* film series with *Mephisto*, Oscar winner as Best Foreign Film of 1981, at 290 Harvard Street, Coolidge Corner, Cambridge. Also presented Thursday, February 1. Telephone: 734-2500.

**** CRITICS' CHOICE ****
The Brattle Theatre continues its Wednesday/Thursday *Janus Film Festival* series with Akira Kurosawa's *Rashomon* (1950) at 4:15 & 7:50 and Kenji Mizoguchi's *Ugetsu* (1953) at 5:55 & 9:30 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Telephone: 876-6837.

The Museum of Fine Arts continues its series *Architects On Film* with Robert Venturi and Denise Scott-Brown (1988), Michael Blackwood at 6:00 in Remis Auditorium, 465 Huntington Avenue, Boston. The MFA also continues its series *The Art of Music Video* with Audio Auteurs, featuring Laurie Anderson, David Bowie, David Byrne, Peter Gabriel, The The, and others, at 7:30. Tickets: \$5 general, \$4.50 MFA members, seniors, and students. Telephone: 267-9300.

The Institute of Contemporary Art presents *Pictures At An Exhibition*, a video presentation by Bill Seaman, at 8 pm in The ICA Theater, 955 Boylston Street, Boston. Tickets: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

On The Town

Compiled by Peter Dunn

JAZZ MUSIC

The George Coleman Quartet performs at 8 pm at the Regalistic, Charles Hotel, Harvard Square, Cambridge. Also presented February 1-3. Tickets: \$7 to \$11, depending on day. Tel: 661-5900.

Classical Music
Members of the Muir String Quartet and pianist Tong-Hi Hsu perform works by Mozart, Ravel, and Dvorak at 8 pm at the T.T. Performance Center, Boston University, 683 Commonwealth Avenue, Boston. Admission: \$3 and \$5. Telephone: 353-3545.

Thursday, Feb. 1

CONTEMPORARY MUSIC

**** CRITICS' CHOICE ****
Ladysmith Black Mambazo performs in a benefit concert for *Operation Hunger* at 8 pm in Alumnae Hall, Wellesley College, Wellesley. Tickets: \$10 donation. Telephone: 235-0320 ext. 2375.

CRITICS' CHOICE

**** CRITICS' CHOICE ****
Camper Van Beethoven, The Ordinaires, and Hiding In Public perform at 8 pm in an 18+ ages show at the Paradise, 967 Commonwealth Avenue, Boston. Also presented in a 21+ ages show on Friday, February 2. Telephone: 254-2052.

Babylo A.D., Kid Crash, and Sticks & Stones perform in an 18+ ages show at 9 pm at Axis, 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.

Dolomites, Knuckle Sandwich, Poseidon, and 23 Skidoo perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Third Rail, Perfect Strangers, Code of Ethics, Cairo Stand, The Response, and Clinic perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$3.50. Telephone: 451-1905.

Nuclear Valdez, Angel & The Drunken Gods, and Killjoy perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

New Riders of the Purple Sage and Slipknot perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Satta performs at the Western Front, 343 Western Avenue, Cambridge. Also presented February 2 and 3. Tel: 492-7772.

THEATER

The Great American Bicentennial Electric Chair Salute, John Crabtree's depiction of life on death row in 1976 through the eyes of five prisoners, opens in previews at the Back Alley Theater, 1253 Cambridge Street, Inman Square, Cambridge. Also presented in preview on February 2; regular performances are February 3 to 25, Thursday-Sunday at 8 pm. Tickets: \$12. Telephone: 491-8166.

FILM & VIDEO

The Brattle Theatre continues its Wednesday/Thursday *Janus Film Festival* series with *La Règle du jeu* (*The Rules of the Game*, 1939, Jean Renoir, France) at 3:45 & 7:50 and *Smiles of a Summer Night* (1955, Ingmar Bergman, Sweden) at 5:45 & 9:55 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Tel: 876-6837.

A Wall in Jerusalem is presented as part of the annual Israel film festival, *Israel: The Dream and the Reality*, at 7:30 in room B50, Stone Science Building, Boston University, 625 Commonwealth Avenue, Boston. Admission: \$2. Telephone: 266-3880.

CLASSICAL MUSIC

Percussion trio Xylophonia performs works by Bach, Haydn, Dohnanyi, and Sanford as part of the MIT Noon Chapel Series at 12:05 in the MIT Chapel. No admission charge. Telephone: 253-2906.

The Boston Symphony Orchestra, Seiji Ozawa conducting, with violinist Malcolm Lowe and cellist Jules Eskin, performs works by Mozart, Mahler, and Brahms at 8 pm in Symphony Hall, Huntington and Massachusetts Avenue, Boston. Tickets: \$17 to \$45. Telephone: 266-1492.

Friday, Feb. 2

EXHIBITS

TB-AIDS Diary, the acclaimed montages of photojournalist Linda Troeller exploring the inherent parallels of the two epidemics, opens today at the MIT Museum, 265 Massachusetts Avenue, Cambridge. Museum hours are Tuesday-Friday 9-5 and Saturday-Sunday 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4440.

CONTEMPORARY MUSIC

The Cult performs at 7:30 in Boston Garden, Causeway Street, Boston, near the North Station T-stop on the green and orange lines. Tickets: \$18.50. Telephone: 720-3434.

**** CRITICS' CHOICE ****
Elvis Hittler, Well Babies, and Inky Spot perform at Bunratty's, 186 Harvard Avenue, Allston, on the MBTA green line. Telephone: 254-9820.

The Rick Berlin Band, Overstreet, Powerglide, Ugly Rumors, and Ghandi's Lunchbox perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$3.50/\$4.50. Telephone: 451-1905.

Nervous Eaters, Classic Ruins, Piranha Brothers, and Creatures of Habit perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

The Cavedogs, Gigolo Aunts, and Storm perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Last Exit performs at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

The Undead perform in an 18+ ages show at Ground Zero, 512 Massachusetts Avenue, Cambridge. Telephone: 492-9545.

The Poussette Dari Band and 200 Chili Brothers perform at 8 pm & 11 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Telephone: 497-8200.

Tailgators and House of Joy perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$6.50/\$7.50. Tel: 426-7744.

THEATER

MIT Tech Random Music Ensemble presents Kennedy's Children, Robert Patrick's reflection on the '60s as told through five characters in a New York bar in 1974, at 8 pm in Kresge Rehearsal Room B. Also presented February 3-5 and 9-11. Tickets: \$6 general, \$4 seniors and MIT students. Telephone: 437-1043.

MIT Musical Theater Guild presents A Little Night Music, with music Stephen Sondheim, book by Hugh Wheeler, based on "Smiles of a Summer Night" by Ingmar Bergman, at 8 pm in the Sala de Puerto Rico, MIT Student Center. Also presented February 3-4 and 8-10. Telephone: 253-6294.



The Herbie Hancock Trio at the Charles Hotel Ballroom, Saturday, Feb. 3.

CLASSICAL MUSIC

The Boston Chamber Music Society performs Messiah's *Quartet for the End of Time* and Schubert's *Piano Trio in E-flat Major, Op. 100* at 8 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Also presented Sunday, February 4 in Sanders Theatre, Harvard University, Quincy and Kirkland Streets, Cambridge. Tickets: \$8, \$13, & \$20 general, \$2 discount to seniors and students. Telephone: 536-6868.

CRITICS' CHOICE

**** CRITICS' CHOICE ****
The John Oliver Chorale performs Frank Martin's *Le Vin Herbé* at 8 pm in Old South Church, Copley Square, Boston. Tickets: \$7, \$14, & \$18 general, \$2 discount to seniors and students. Telephone: 965-0906.

Opera Workshop Performances, including scenes from *Don Giovanni*, *Baby Doe*, *Der Freischütz*, *A Midsummer Night's Dream*, *Tales of Hoffmann*, *Lucia di Lammermoor*, and others, is presented at 8 pm in the Edward Pickman Concert Hall, Longy School of Music, Follen and Garden Streets, Cambridge. Also presented February 3, 4, and 6. Admission: voluntary contributions accepted. Telephone: 876-0956.

FILM & VIDEO

The MIT Lecture Series Committee presents *Earth Girls Are Easy* at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

CRITICS' CHOICE

**** CRITICS' CHOICE ****
The Brattle Theatre continues its Friday/Saturday film series *Marlene on Screen* with *Destry Rides Again* (1939, George Marshall) at 4:00 & 7:45 and *Seven Sinners* (1940, Tay Garnett) at 5:55 & 9:40 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Telephone: 876-6837.

CRITICS' CHOICE

**** CRITICS' CHOICE ****
The Harvard Film Archive begins its series *The Sites of Weimar Modernity* with *Metropolis* (1926, Fritz Lang, Germany) at 7 pm and *Sunrise* (1927, F. W. Murnau) at 9 pm at the Carpenter Center for the Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Also presented Saturday, February 3. Admission: \$3 general, \$5 for the double feature. Telephone: 495-4700.

CRITICS' CHOICE

**** CRITICS' CHOICE ****
The Museum of Fine Arts continues its series *Dangerous Loves with A Very Old Man with Enormous Wings* (1988, Fernando Birri, Cuba/Italy/Spain) at 6:00 and *Fable of the Beautiful Pigeon Fancier* (1988, Ruy Guerra, Brazil) at 7:45 in Remis Auditorium, MFA, 465 Huntington Avenue, Boston. Tickets: \$5 general, \$4.50 MFA members, seniors, and students. Telephone: 267-9300.

**** CRITICS' CHOICE ****
The French Library in Boston continues its film series *A Tribute to François Truffaut with Le Dernier Métro* (*The Last Metro*, 1980) at 8 pm at 53 Marlborough Street, Boston. Also presented February 3 and 4. Admission: \$4 general, \$3 Library members. Telephone: 266-4351.

The Institute of Contemporary Art presents *Blues on the Night* double feature with *Looking for Langston* (1988, Isaac Julien) and *Mala Noche* (1986, Gus Van Sant) at 7:00 & 9:30 in The ICA Theater, 955 Boylston Street, Boston. Continues through February 7. Tickets: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

ARTS

Sarah Caldwell's Butterfly makes absorbing drama

MADAMA BUTTERFLY

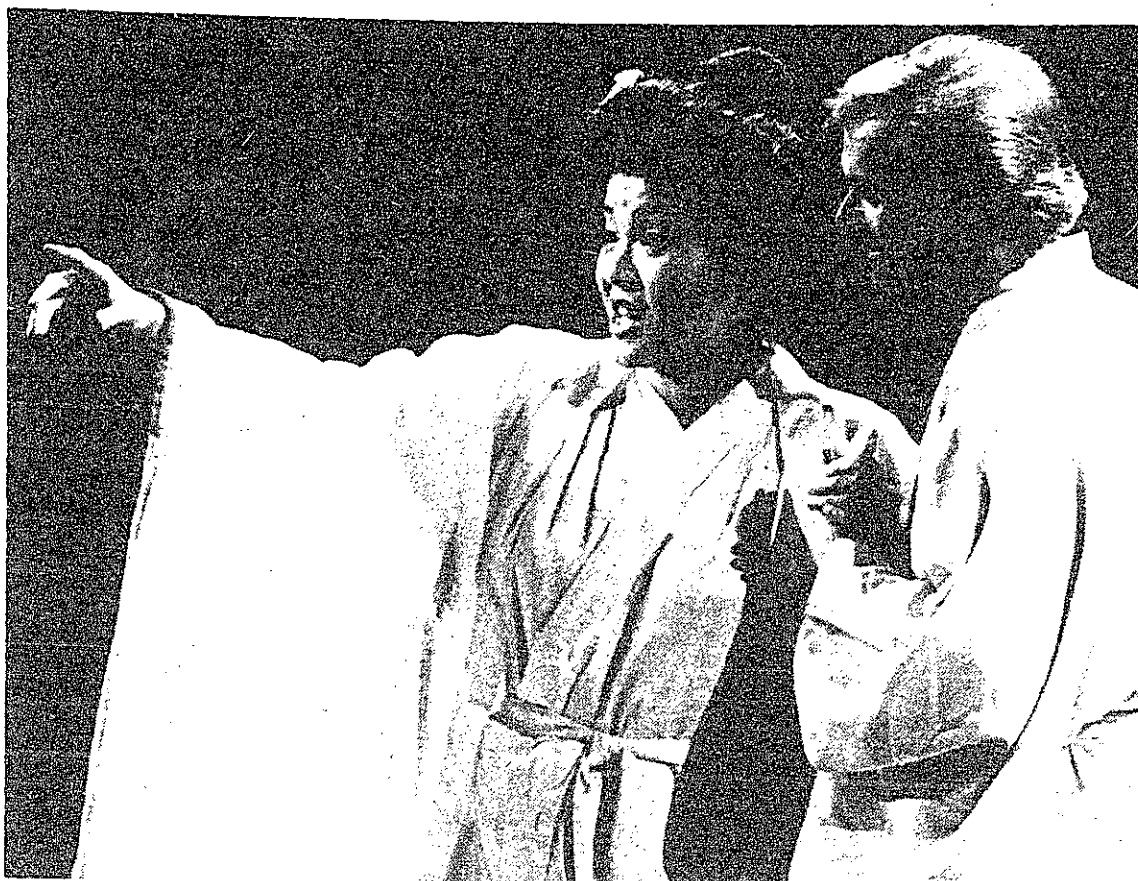
Opera Company of Boston,
Conducted by Sarah Caldwell.
Yoko Watanabe as Butterfly and
Joseph Evans as Pinkerton on opening
night. Performers vary other dates.
The Opera House, Boston,
Event in The Tech Performing Arts Series.
January 25 & 28,
February 4 & 11, April 21 & 29.

By JONATHAN RICHMOND

IT WAS EASY TO FORGET the Opera Company of Boston's financial problems within a minute of Sarah Caldwell's taking the helm for the opening night of *Madama Butterfly* last Thursday. Caldwell showed she was back with a bang, creating an evening of drama so absorbing that none of the company's debtors who may have been in the audience had a chance to think of anything but the music.

There are three different Butterflies and two Pinkertons to be heard over the course of the six performances of Puccini's opera to be given this season. Yoko Watanabe kicked off with a Butterfly out of Greek tragedy: she wasn't always the most delicate of singers or actresses, but she projected her role with never-ending intensity and an ever-present feeling of looming fate.

Her singing may not always have been precise, but it was often exciting — and Watanabe also has a sensual way of holding herself. Her voice could be radiant too, as when she dreamt of the return of Pin-



Yoko Watanabe as Madama Butterfly and Joseph Evans as Pinkerton

kerton, a passage simultaneously joyous and heartbreaking.

And Watanabe could sing in tones of deep tragedy. There was a feeling of horror slowly sinking in as Butterfly realizes the woman waiting outside is Pinkerton's American wife; then, as she veers towards death, there was an almost numbing serenity accompanying the rising vocal electric-

ity. Butterfly's love for her son is made clear; there's poignancy as she gives him the American football Pinkerton left behind; there's acceptance as well as rawness in her emotions as she realizes she must give him to Pinkerton and herself to death. Altogether a powerful performance.

Pinkerton, as we all know, is not Mr.

Nice. An American in Japan, he woos and weds the innocent Butterfly, and thinks nothing of returning later with his "real" wife. Joseph Evans certainly brought out Pinkerton's crudities, but he was also a fluent seducer, his singing firmly-directed but nicely-rounded and presenting a trap no Butterfly could avoid.

Markella Hatziano was an accomplished Suzuki, ravishing in all her singing and quite moving in her interactions with Butterfly. Noel Velasco did a good job of portraying the nastiness of Goro, the marriage broker. Chester Ludgin, though sometimes a bit unsure of voice, brought out the conflicts of the role of the American Consul: representing the American side, but not without a trace of guilt.

Sarah Caldwell's staging made the action focused and riveting, but it was the music from her enchanted orchestra that kept everyone pinned to their seats. Each orchestral voice shone through with deftness and spirit, far too beautifully to allow any handkerchiefs to be dry at the end.

350 tickets were sold last Friday afternoon as an offering from The Tech Performing Arts Series. The mob scene at the Wiesner Building, more reminiscent of a line-up for a Grateful Dead concert than for opera tickets, attested to the tremendous interest in opera at MIT — if the price is right. We are grateful to the opera company for allowing this special sale to take place.

Those unable to purchase tickets last Friday should please see the announcement on p. 11 in this issue.

The Tech Performing Arts Series presents. . .

PRO ARTE CHAMBER ORCHESTRA

The Pro Arte Chamber Orchestra's second concert of the new year, to be conducted by Craig Smith, will be a performance of Stravinsky's *L'histoire du soldat* with narrators Sue Ellen Kuzma and Drew Minter. The Walton *Façade* will also be presented.

Sanders Theater, February 11 at 8 pm.

MIT price: \$5.

SUBSCRIPTIONS for the Pro Arte Chamber Orchestra's February, March, and April concerts will be available on February 6 for the special price of \$15, a 30-dollar savings over the price of the individual tickets.

Tickets are on sale at the Technology Community Association, W20-450 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.

JAZZ MUSIC

The Michael Bocian Quartet performs at the Willow Jazz Club, 699 Broadway, Ball Square, Somerville. Also presented Saturday, February 3. Tel: 623-9874.

Saturday, Feb. 3

JAZZ MUSIC

*** CRITICS' CHOICE ***
The Herbie Hancock Trio performs at 7:30 & 10:00 in the Charles Hotel Ballroom, Charles Hotel, Harvard Square, Cambridge. Tickets: \$29.50. Telephone: 876-7777.

FILM & VIDEO

The MIT Lecture Series Committee presents *The Untouchables* at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

The Brattle Theatre continues its Friday/Saturday film series *Martone on Screen* with *Destry Rides Again* (1939, George Marshall) at 4:00 & 7:45 and *Rancho Notorious* (1952, Fritz Lang) at 2:15, 5:55, & 9:40 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Tel: 876-6837.

COMEDY

Paula Poundstone performs at 7:30 & 9:30 at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

CONTEMPORARY MUSIC

*** CRITICS' CHOICE ***
k. d. lang and the Reclines perform at Lowell Memorial Auditorium, 50 East Merrimack Street, Lowell. Also presented February 4 at the Providence Performing Arts Center, 220 Weybosset Street, Providence. Tickets: \$16.50 and \$18.50. Telephone: 720-3434.

*** CRITICS' CHOICE ***
The Neighborhoods, The Unattached, Apparitions, Sin @ A Men Gypsy, and She Cried perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$4.50/\$5.50. Telephone: 451-1905.

High Function performs at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Warren Zevon performs at 7:30 at the Orpheum Theatre, Hamilton Place, Boston. Tickets: \$19. Telephone: 482-0650.

*** CRITICS' CHOICE ***
The Residents present *Cube-E: The History of American Music in 3 E-Z Pieces* at the Berklee Performance Center, 136 Massachusetts Avenue, Boston. Telephone: 931-2000.

Food For Feet perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

The Titanics perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Hearts On Fire, Entourage, Girl On Top, and Gear perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$5.50. Telephone: 426-7744.

Flamenco guitarist Carlos Montoya performs at 8 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Tickets: \$20 and \$22. Tel: 536-2412.

Sunday, Feb. 4

CONTEMPORARY MUSIC
The The perform at 7:00 at Citi Club, 15 Lansdowne Street, Boston, near Kenmore Square. Also presented February 7 at the Orpheum Theater, Hamilton Place, Boston and February 8 at Citi. Tickets: \$17.50. Telephone: 262-2437.

Greg Howe and Howe II perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Telephone: 451-1905.

Raggamuffin Soldiers perform at the Western Front, 343 Western Avenue, Cambridge. Telephone: 492-7772.

The Gloucester Hornpipe & Clog Society and The Bag Boys perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$4.50/\$5.50. Tel: 426-7744.

Traditional Music of Greece, Morocco, and Turkey is presented in a *Longy Faculty Artists Series* at 3 pm in the Edward Pickman Concert Hall, Longy School of Music, Follen and Garden Streets, Cambridge. No admission charge. Telephone: 876-0956.

CLASSICAL MUSIC

*** CRITICS' CHOICE ***
Pianist Russell Sherman performs an all-Liszt program at 3 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Tickets: \$20, \$22, and \$24. Telephone: 536-2412.

Stephen Hammer, baroque oboe, Denis Godburn, baroque bassoon, and John Gibbons, harpsichord, perform works by Handel and Fasch at 3 pm in Remis Auditorium, Museum of Fine Arts, 465 Huntington Avenue, Boston. Tickets: \$12 general, \$10 MFA members, seniors, and students. Telephone: 267-9300 ext. 306.

(Please turn to page 13)

The Tech Performing Arts Series proudly announces. . .

MADAMA BUTTERFLY

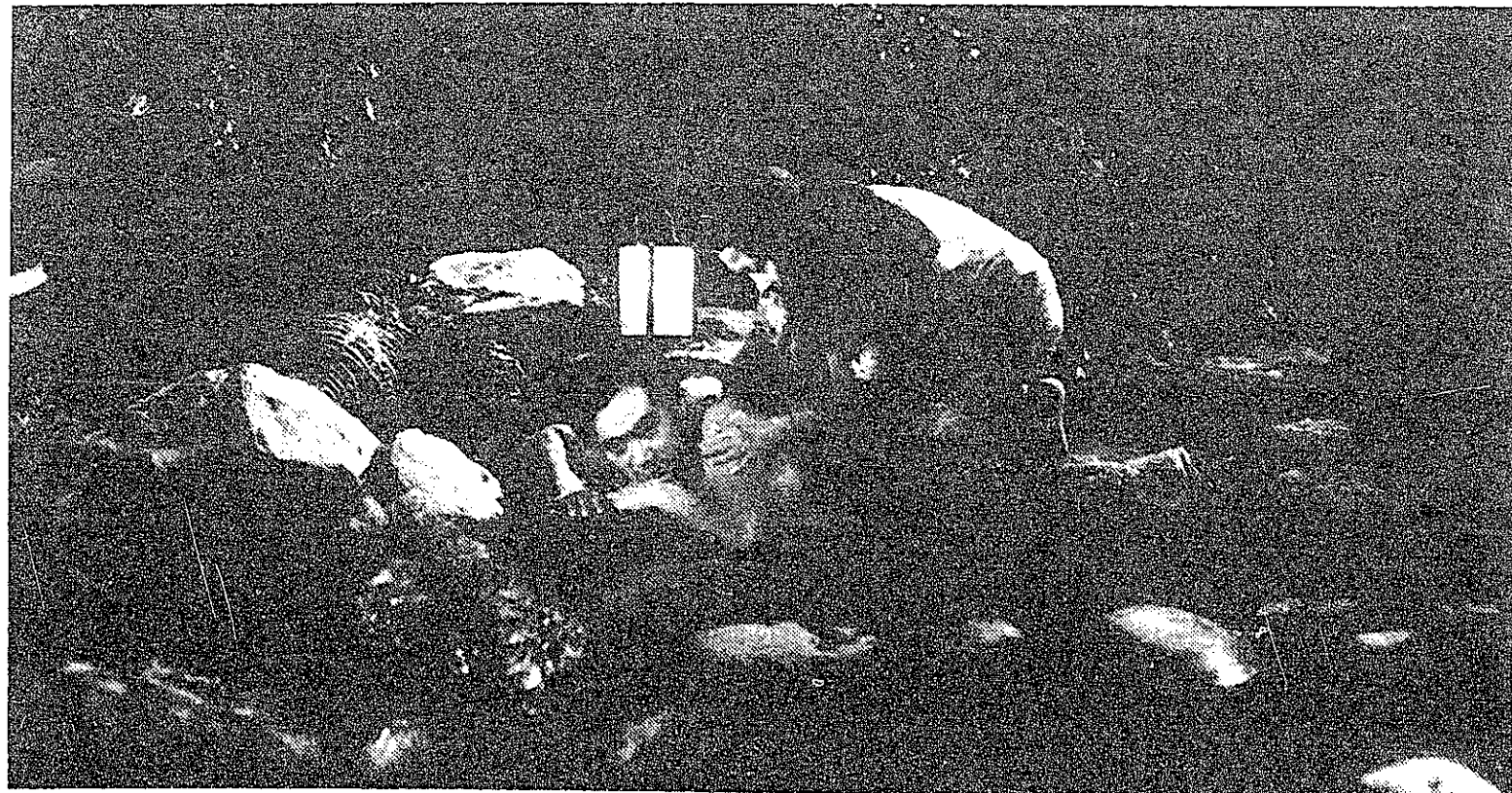
Spectacular Offer!

\$50 opera tickets for \$10!

Those unable to purchase discount tickets in our special sale in the Wiesner Building last Friday afternoon have another chance! A limited number of \$50 seats for the Feb. 4, 3 pm performance of *Madama Butterfly* by the Opera Company of Boston, Sarah Caldwell, conductor, will be available for \$10 to MIT students only at the Opera House box office, 539 Washington St., Boston, Wednesday - Friday 10 am - 6 pm and Saturday 12 pm - 6 pm. Valid MIT student ID required; maximum two tickets per ID.

Please have exact cash and student ID ready at box office as no credit cards or checks will be accepted. Tickets will not be sold on the day of performance. Due to inundation of the opera house box office by MIT callers, telephone inquiries relating to this offer can unfortunately not be accepted.

This offer organized by The Tech in cooperation with the MIT Office of the Arts and The Opera Company of Boston.



Kenji Mizoguchi's *Ugetsu* (1953, Japan) is screened at the Brattle Theatre on Wednesday, January 31.

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February 5
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ARTS

★ On The Town ★
Compiled by Peter Dunn

THEATER

The Vortex, Noel Coward's treatment of the dazzle, decay, and darker side of London's Roaring '20s, opens today at the Lyric Stage Theatre, 54 Charles Street, Boston. Continues through March 11 with performances Wednesday-Friday at 8:00, Saturday at 5:00 & 8:30, and Sunday at 3:00. Tickets: \$13.50 to \$17. Telephone: 742-8703.

*** CRITICS' CHOICE ***
The Opera Company of Boston, with soprano Sarah Reese, performs Puccini's *Madama Butterfly*, at 8 pm at the Opera House, 539 Washington Street, Boston. Also presented February 11 and April 21 & 28 with Catherine Lamy. Tickets: \$25 to \$75 [see also reduced-price tickets for February offered through *The Tech* Performing Arts Series]. Telephone: 720-3434.

FILM & VIDEO

The MIT Lecture Series Committee presents *Heavy Metal* at 7:00 & 9:30 in 10-250. Admission: \$1.50. Telephone: 258-8881.

The Brattle Theatre continues its Sunday *James Bond* series with *The Spy Who Loved Me* (1977, Lewis Gilbert) at 1:35 & 3:45, *The Man With the Golden Gun* (1974, Guy Hamilton) at 4:00, and *Moonraker* (1979, Lewis Gilbert) at 6:25 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the triple feature). Telephone: 876-6837.

The Harvard Film Archive continues its series *The Sites of Weimar Modernity* with *Berlin, Symphony of a Great City* (1927, Walter Ruttmann, 1927) at 4 pm & 7 pm at the Carpenter Center for the Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Admission: \$3 general, \$5 for the double feature. Telephone: 495-4700.

The Harvard-Epworth Church presents *The Kiss* (1929, Jacques Feyder), starring Greta Garbo, at 8 pm at 1555 Massachusetts Avenue, just north of Harvard Square, Cambridge. Admission: \$3 contribution. Telephone: 354-0837.

Monday, Feb. 5

CLASSICAL MUSIC

Pianist Alice Wilkinson, violinist Amnon Levy, and cellist Nancy Hair perform works by Beethoven, Brahms, Schumann, Rahnbe, and Chopin at 8 pm in the Edward Pickman Concert Hall, Longy School of Music, Follen and Garden Streets, Cambridge. No admission charge. Telephone: 876-0956.

Violist Patricia McCarty and pianist Ellen Weckler perform works by Bach, Brahms, Bernstein, John Hawkins, and Rebecca Clarke at 8 pm in Seully Hall, Boston Conservatory of Music, 8 The Fenway, Boston. No admission charge. Telephone: 536-6340.

FILM & VIDEO

The MIT Lecture Series Committee presents *Indiana Jones and the Last Crusade* at 7 pm & 10 pm in Kresge. Admission: \$1.50. Telephone: 258-8881.

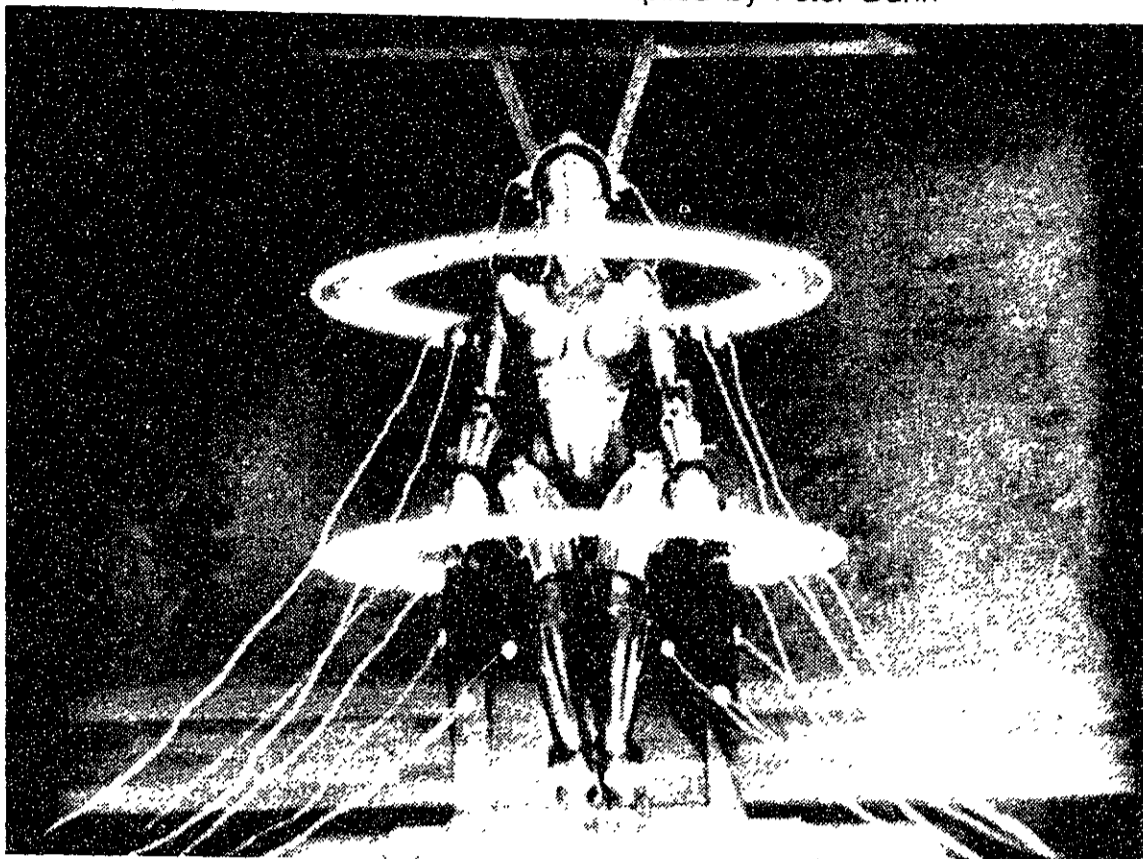
*** CRITICS' CHOICE ***
The Brattle Theatre continues its Monday film series *Humphrey Bogart: A Brattle Cult* with *In A Lonely Place* (1950, Nicholas Ray) at 3:45 & 7:50 and *The Desperate Hours* (1955, William Wyler) at 5:40 & 9:40 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Telephone: 876-6837.

The Harvard Film Archive begins its series *French Directors with Le Rayon vert* (*Summer*, 1986, Eric Rohmer, France) at 5:30 & 8:00 at the Carpenter Center for the Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Admission: \$3. Telephone: 495-4700.

EXHIBITS

Scenes from *Vinalhaven, Maine*, recent watercolors by Professor Lawrence B. Anderson, Dean, School of Architecture and Planning, opens today at the Rotch Library Visual Collections, Room 7-304. Continues through February 28 with hours Monday-Friday 8:30-6. Telephone: 253-7792.

Image-ing the World: A Decade of Color Photographs, approximately 50 photographs taken in foreign countries by Dr. Norman B. Moyes, opens today in the George Sherman Union Gallery, Boston University, 775 Commonwealth Avenue, Boston. Continues through February 28 with gallery hours Monday-Friday 10-5. No admission charge. Tel: 353-2224.



Fritz Lang's *Metropolis* (top, 1926, Germany) and F. W. Murnau's *Sunrise* (1927) at the Harvard Film Archive on Friday and Saturday, Feb. 2 and 3.

Tuesday, Feb. 6

CONTEMPORARY MUSIC

John Lincoln Wright performs at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Richard Elliot and Brian Auger perform at 9 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Telephone: 497-8200.

Monk Wilson, Eve Goodman, and Debra Galiga perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$2.50. Telephone: 426-7744.

THEATER

*** CRITICS' CHOICE ***
Cat On a Hot Tin Roof, Tennessee Williams' play about sexual desire, power, and family inheritance, starring Kathleen Turner, opens today at the Schubert Theatre, 265 Tremont Street, Boston. Continues through February 25 with performances Tuesday-Saturday at 8 pm, with matinees Wednesday & Saturday at 2 pm and Sunday at 3 pm. Tickets: \$22.50 to \$40. Telephone: 426-4520.

CLASSICAL MUSIC

*** CRITICS' CHOICE ***
The Boston Symphony Orchestra, Seiji Ozawa conducting, with cellist Yo-Yo Ma, performs works by Haydn, Shostakovich, and Rossini at 8 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Also presented February 9 and 10. Tickets: \$17 to \$45. Telephone: 266-1492.

FILM & VIDEO

The Brattle Theatre continues its Tuesday film series *Boston Independents* with *Eight Minutes to Midnight* (1981, Suzanne Simpson & Mary Benjamin), *The Last Empire* (1987, Margaret Lazarus & Renner Wunderlich), and *How to Prevent a Nuclear War* (1988, Liane Brandon) at 4:00; *Letter to My Uncle* (1982, Deborah Lefkowitz), *The Forward: From Immigrants to Americans* (1989, Marlene Booth), and *Eyes on the Prize: The Awakening* (1987, Judith Vecchione) at 6:20; *Wild Women Don't Get the Blues* (1989, Christine Dall) & *Betty Tells Her Story* (1973, Liane Brandon) at 8:00; and *A Jumpin' Night in the Garden of Eden* (1988, Michal Goldman) at 9:30 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children. Telephone: 876-6837.

The Harvard Film Archive begins its series *The Transformation of Melodrama* with *Adam's Rib* (1949, George Cukor), starring Spencer Tracy and Katherine Hepburn, at 5:30 & 8:00 at the Carpenter Center for the Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Admission: \$3. Telephone: 495-4700.

EXHIBITS

*** CRITICS' CHOICE ***
Floating Sculptures, by Helga Franz, an environmental installation of lightweight sculptures with diffractive and reflective surfaces, lifted with helium balloons, is presented in Lobby 7. No admission charge. Telephone: 253-6849 or 864-0946.

Ongoing Theater

The Devil Amongst Us, an audience-participation murder mystery, continues indefinitely at the Mystery Cafe, 738 Massachusetts Avenue, Cambridge. Performances are Thursday-Saturday at 7:30. Tickets: \$25 to \$28 (includes meal). Telephone: 262-1826.

Forbidden Broadway 1989, the latest updated version of Gerard Alessandrini's musical comedy revue, continues indefinitely at the Terrace Room, Boston Park Plaza Hotel. Performances are Tuesday-Friday at 8 pm, Saturday at 7 pm & 10 pm, and Sunday at 3 pm & 6 pm. Tickets: \$16.50 to \$24.50 depending on performance. Telephone: 357-8384.

Nonsense, Dan Goggin's comedy about the Little Sisters of Hoboken who stage a talent show to raise money to bury four of their number, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tuesday-Friday at 8 pm, Saturday at 6 pm & 9 pm, with matinees Thursday at 2 pm and Sunday at 3 pm. Tickets: \$15.50 to \$26.50 general, half-price for seniors and students on Thursday matinee. Telephone: 426-6912.

O Pioneers!, Darrah Cloud's adaption of the Willa Cather 1913 novel of struggle and sacrifice on the American frontier, continues through February 4 as a presentation of the Huntington Theatre Company at the Boston University Theatre, 264 Huntington Avenue, Boston. Performances are Tuesday-Saturday at 8 pm with matinees Wednesday, Saturday, & Sunday at 2 pm. Tickets: \$14 to \$29. Telephone: 266-3913.

Out Bran and Remembrance, Boston Baked Theatre's latest collection of musical and satiric sketches, continues indefinitely at the Boston Baked Theatre, 255 Elm Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Performances are Friday at 8:15 and Saturday at 7:00 & 9:15. Tickets: \$13.50 and \$15. Telephone: 628-9575.

Otherwise Engaged, Simon Gray's comedy of sex, society, and yuppies, continues through February 4 at the Lyric Stage Theatre, 54 Charles Street, Boston. Performances are Wednesday-Friday at 8:00, Saturday at 5:00 & 8:30, and Sunday at 3:00. Tickets: \$13.50 to \$17. Telephone: 742-8703.

Party of One, Morris Bobrow's new musical revue about the perils of coming-of-age, continues indefinitely at the Theatre Lobby at Hanover Street, 216 Hanover Street, Boston. Performances are Tuesday-Friday at 8:00, Saturday at 7:00 & 9:30, and Sunday at 3:00 & 7:00. Tickets: \$14.50 to \$21.50. Telephone: 227-9381.

The Promise, Aleksei Arbusov's fascinating glimpse of life in modern Russia, continues through February 4 at the New Repertory Theatre, 54 Lincoln Street, Newton Highlands, near the Newton Highlands T-stop on the 'D' green line. Performances are Thursday & Friday at 8:00, Saturday at 5:00 & 8:30, and Sunday at 3:00 & 7:30. Tickets: \$12 to \$17. Telephone: 332-1646.

The Seagull, by Anton Chekhov, continues through February 24 as a presentation of the Chekhov Theatre and Film Company at the Agassiz School, 28 Sacramento Street, Cambridge. Performances are Thursday-Saturday at 8 pm. Tickets: \$10 general, \$8 seniors and students. Telephone: 547-8688.

Shear Madness, the long-running comic murder mystery, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tuesday-Friday at 8:00, Saturday at 6:30 & 9:30 pm, and Sunday at 3:00 & 7:30 pm. Tickets: \$16 and \$19. Tel: 426-6912.

Spitting Into the Wind, Laura Browder's play confronting the explosive issues of "red-baiting" and government-sanctioned censorship, continues through February 4 at the New Ehrlich Theatre, 539 Tremont Street, Boston. Performances are Thursday-Saturday at 8 pm and Sunday at 2 pm. Tickets: \$15 general, \$10 seniors and children. Telephone: 482-6316.

Vieux Carré, Tennessee Williams' gauzy, poetic play, continues through February 10 at the Triangle Theater, 56 Berkeley Street, Boston. Performances are Thursday-Saturday at 8 pm. Tickets: \$15. Telephone: 720-3434.

Ongoing Exhibits

ON CAMPUS

Raumplan Versus Plan Libre: Adolf Loos and Le Corbusier, 1919-1930, comparing the two architects' approach to the use of space, continues through April 1 at the MIT Museum, 265 Massachusetts Avenue, Boston. Museum hours are Tuesday-Friday 9-5 and Saturday-Sunday 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

*** CRITICS' CHOICE ***
When the Eiffel Tower Was New: French Visions of Progress at the Centennial of the Revolution continues through February 25 at the MIT Museum Building, 265 Massachusetts Avenue, Cambridge. Museum hours are Tuesday-Friday 9-5 and Saturday-Sunday 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

*** CRITICS' CHOICE ***
Against Nature: Japanese Art in the '80s, mixed media work by 10 younger Japanese artists, continues through February 18 at the List Visual Arts Center, MIT Wiesner Building E15, 20 Ames Street. Gallery hours are weekdays 12-6 and weekends 1-5. Telephone: 253-4680.

Holography: Types and Applications, drawn from the work of MIT Media Lab's Spatial Imaging Group, continues at the MIT Museum, 265 Massachusetts Avenue. Museum hours are Tuesday-Friday 9-5 and weekends 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

OFF CAMPUS

The Reunion, a photo-historical journal of a century of links between the African-American communities in Cambridge and Boston, continues through February 9 at the Cambridge Multicultural Arts Center, 41 Second Street, Cambridge. Gallery hours are Monday-Friday 11-4. Telephone: 577-1400.

Faces of Asia: Portraits from the Permanent Collection, 60 portraits organized thematically, continues through February 18 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Locomotion, historical and contemporary photographic studies of movement, continues through February 25 at the Photographic Resource Center, 602 Commonwealth Avenue, Boston. Telephone: 353-0700.

Mahzeit, a photographic installation by Cologne-based artists Bernhard and Anna Blume, continues through February 25 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Paintings by Agnes Martin and sculpture by Donald Judd continues through February 25 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

The Hollywood Photographs of Director George Sidney continues through February 28 at the Mugar Memorial Library, Boston University, 771 Commonwealth Avenue, Boston. Library hours are Monday-Friday 9-5. No admission charge. Telephone: 353-3696.

*** CRITICS' CHOICE ***
Weston's Westons: Portraits and Nudes, 118 vintage photographs by the "quintessential modern photographer," continues through March 4 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Sophie Calle: A Survey, photography that engages the personal, the sensual, and the psychological spaces of day to day experience, and *Currents 1990*, featuring Yoko Ono, Shu Lea Cheang, Bill Seaman, Deborah Orapallo, and Curtis Anderson, continue through March 11 at the Institute of Contemporary Art, 955 Boylston Street, Boston. Institute hours are Thursday-Saturday 11-8 and Wednesday & Sunday 11-5. Admission: \$4 general, \$3 students, \$15.00 seniors and children, free to members and MIT students. Telephone: 266-5152.

An Object of the Cultural Imagination: A Female Image in Bamana Art: Du-champ-Villon's Baudelaire: Sources and Transformations; and 150 Years of Photography: Part III - Extension continue through March 25 at the Wellesley College Museum, Jewett Arts Center, Wellesley College, Wellesley. Museum hours are Monday-Saturday 10-5, Tuesday & Wednesday 10-9, and Sunday 2-5. No admission charge. Telephone: 235-0320 ext. 2051.

Bringing the World's Theater to London - Producer/Impresario Peter Daubney continues through March 31 at the Mugar Memorial Library, Boston University, 771 Commonwealth Avenue, Boston. Library hours are Monday-Saturday 9-5. No admission charge. Tel: 353-3728.

Upcoming Events

Tom Petty and the Heartbreakers at the Worcester Centrum on February 7. *Monet in the '90s: The Series Paintings* at the Museum of Fine Arts, February 7 to April 29. *Throwing Muses and Bullet La Volta* at the Channel on February 11. *The Sugarbushes* at the Orpheum Theatre on March 9. *Sonic Youth* at the Paradise on March 11. *Les Miserables* at the Shubert Theatre, March 16 for 10 weeks.



Pianist Russell Sherman at Jordan Hall on Feb. 4.



Cellist Yo-Yo Ma (left) performs with the Boston Symphony Orchestra, Seiji Ozawa (right) conducting, in Symphony Hall on February 6, 9, and 10.

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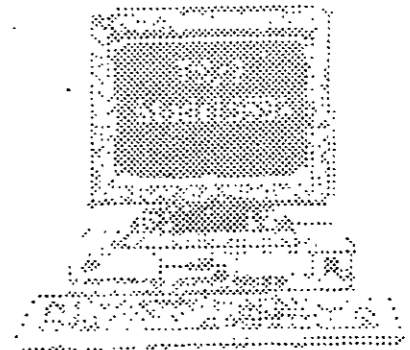
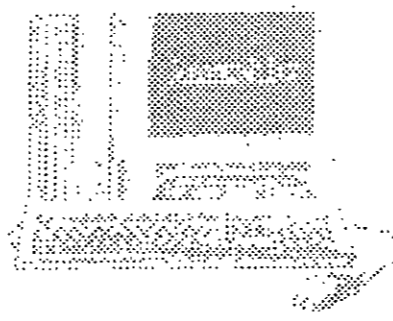
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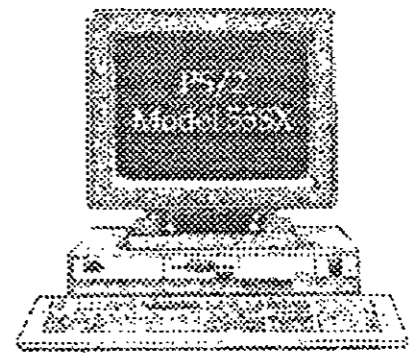
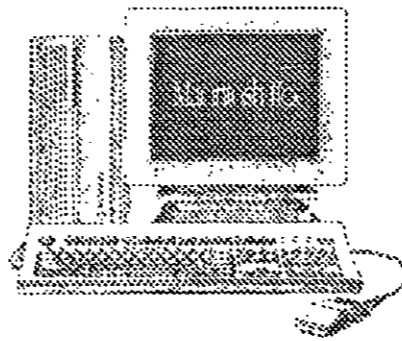
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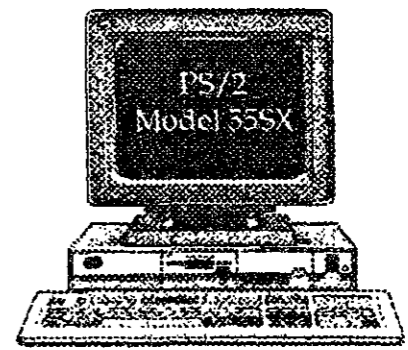
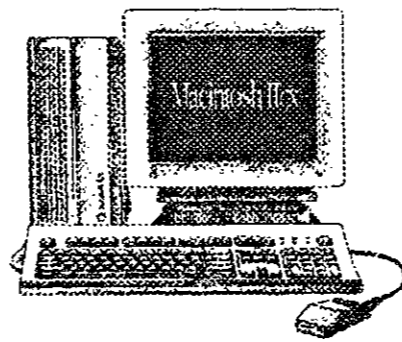
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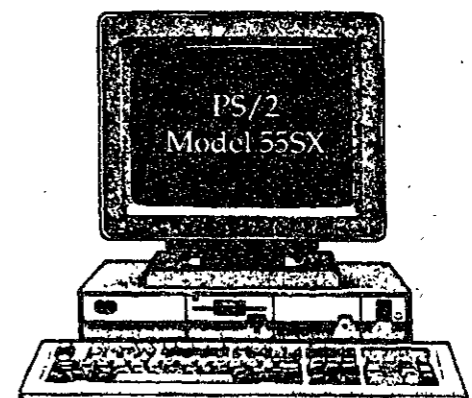
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THE COOP
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If you, as a Coop Member and a degree candidate at M.I.T., are interested in serving as a Director of The Coop for the next academic year, and you are an undergraduate student, contact Merduh Jarakuluku, Chairman of the M.I.T. VA Nominations Committee in Room W20-401, office phone number 253-2696. If you are a graduate student, contact Michael Warwick in the Graduate Student Council Office, between the hours of 1:30 p.m. and 5:00 p.m., office phone number 253-2195.

Completed applications must be submitted by 5:00 p.m., Friday, February 9, 1990.

Or write, Father John F. Duffy, C.S.P., Paulist Fathers Vocation Office
415 West 59th Street, New York, NY 10019



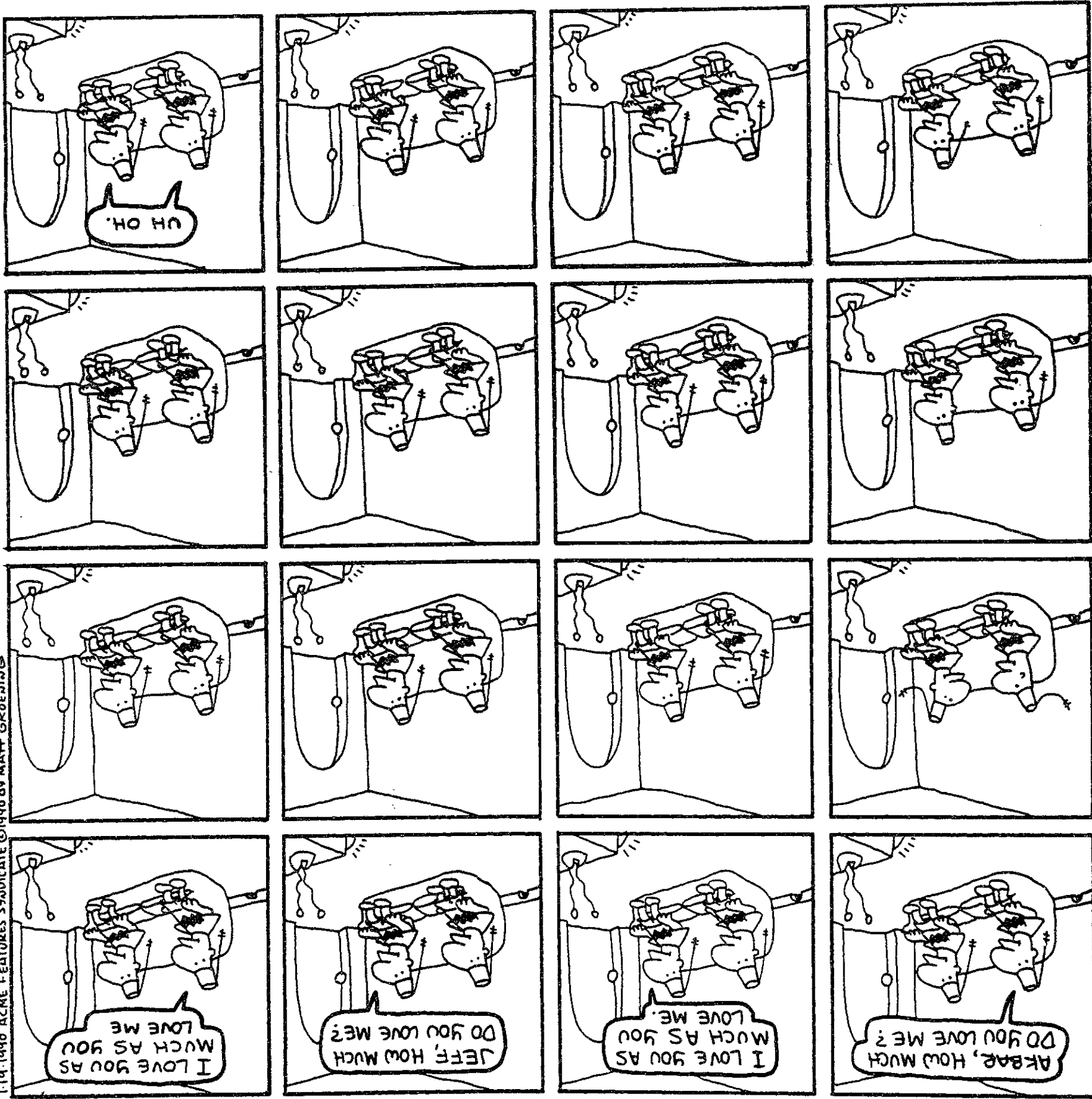
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**LIFE IN
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COMICS

A large, bold, white letter 'W' is centered on a solid black rectangular background. The letter is stylized with a slight shadow or depth, giving it a three-dimensional appearance.

ould You Like to Add Anything?

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February 28, 1990

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George Hu
Software Design Intern
SB MIT (6-3) 1989

"As a Program Manager, I run my own show. I define the desired product, determine the needs of the developers, then work with marketing to distribute the product all over the world. I interact with major corporations, design documentation teams, courseware developers, and actually program to customize our product. I can't imagine having the freedom and impact I enjoy here being offered at other companies."

Bill Johnson
Program Manager
MIT BS (16) 1988

"MIT is intense—so is Microsoft. MIT taught me how to think—Microsoft taught me how to program.

There's always a lot of challenge; we create better products with fewer people than anyone else. That means we use only the best people. Nothing matches the ego rush of shipping a product that all the magazines talk about and people love, and that opportunity exists at Microsoft.

My position at Microsoft involves working with a number of projects, rather than being assigned to just one. My focus is on what I consider the essence of computer science to be; making the code better (faster, smaller and bug-free). Code is where the action is, and Microsoft let's me be at the heart of it."

Doug Klunder
Software Design Engineer
MIT SB (6-3) 1981

"Working in Advanced Technology, I got to work on some very exciting projects that my manager chose specifically to match my interests in computers. I spent most of the summer working on a simulator that Microsoft will use for in-house decisions and to influence microprocessor design. I read papers and was kept informed on proprietary information about future microprocessors that Microsoft was exploring. I was even flown to SIGPLAN and had the opportunity to meet with prominent architects. I would have been bored with straight coding, so I'm glad my job involved so much thinking and learning."

Ellen Spertus
Software Design Intern
MIT (6-3) 1990

Microsoft

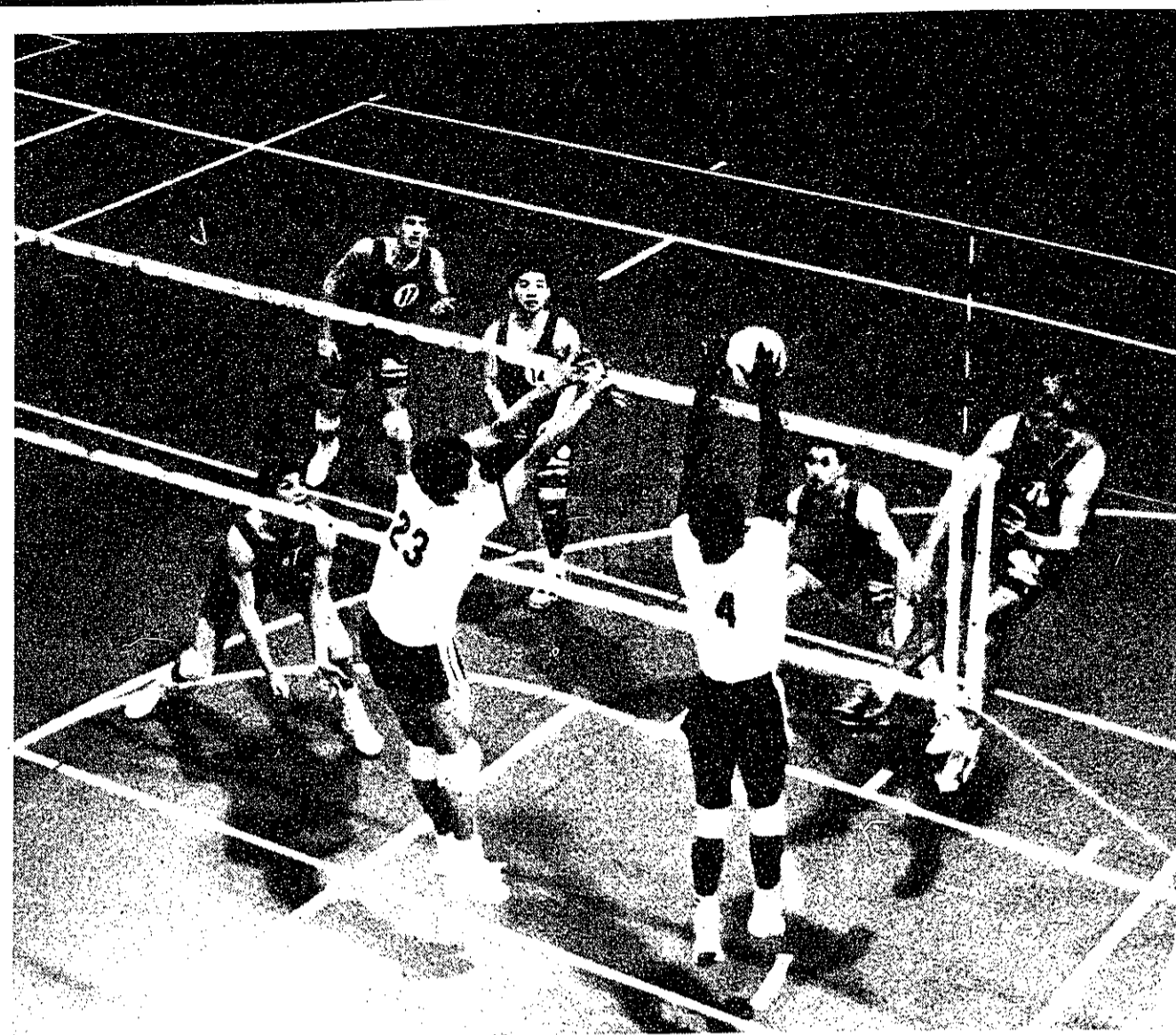
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**HARDCORE
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Marc Wisnudel/The Tech

Dave Ferguson '93 makes an awesome wake with his breaststroke in last Wednesday's meet against South-eastern Massachusetts University.



David H. Oliver/The Tech

MIT JV volleyball players Ralph Vixama '92 (#4) and Wooyong Chung '92 (#23) successfully block Tuft's spike. Both JV and Varsity teams reached the semi-finals of Sunday's New England Collegiate Volleyball League Tournament.

classified advertising

Classified Advertising in The Tech: \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

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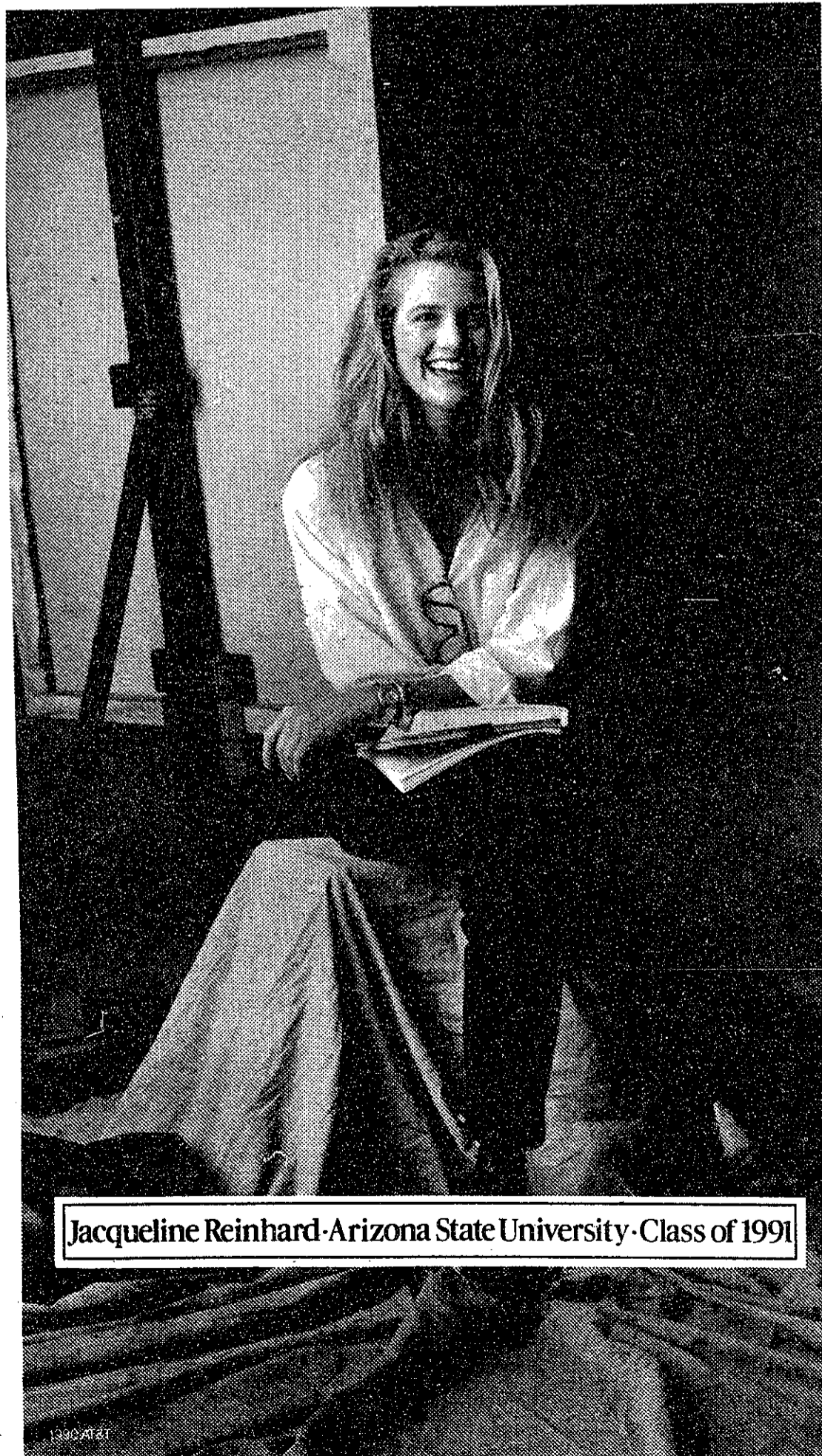
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sports

Women's gymnastics gives strong performance at Yale

By Catherine Rocchio

The MIT Women's Gymnastics team recently completed one of the busiest weeks of its 1990 season with a meet at Yale on Saturday, January 20th. The Engineers emerged victorious against their Division III competitors, scoring 154.55 to Bridgewater State's 136.7 and 154.3 to Rhode Island College's 144.55, but in the end losing to Yale's Division I Team.

The meet against Yale had several impressive moments for the MIT team, one of these being the vaulting event. Gretchen Martin '92 and Rachel McCarthy '90 performed beautiful handspring vaults for respective scores of 7.5 and 8.1, while the half-on vaults of Allison Arnold '90 and Rose Rocchio '90 earned solid scores of 8.2 and 8.45. Lisa Arel '92 landed her vault for a score of 8.75, while Kortney Leabourne '92 had the best vault of the day for MIT and scored 8.8 to place third overall on the vaulting event.

Although the uneven bars and balance beam events were not the high points of MIT's performance, Arel performed with her usual aplomb and earned an 8.55 on the uneven bars. She also overcame a fall on the balance beam for a score of 7.7. Leabourne had a clean routine on the bars and scored 7.75, while Rocchio used her routine on the balance beam to help the team with a score of 7.4.

The floor exercise showed more of MIT's usual strength with Leabourne, Arnold, and Rocchio scoring 7.1, 7.2, and 7.7 respectively. Arel rounded out another fine day with a score of 8.7 for her floor exercise. Her routine included a front somi through to a full-twist in the first pass, a full-twist in the second tumbling run, and finished with a half-twisting Arabian front somersault.

MIT came home on Wednesday night determined to perform their best routines. Arel earned her highest score of the season on the vaulting event for the meet-winning score of 9.0, while Rocchio, Arnold, Leabourne, and McCarthy all backed her up with their consistent performances for scores of 8.3, 8.2, 8.25, and 8.0.

The floor exercise was the best overall performance by MIT thus far this season. Arel and Martin performed energetically for scores of 7.05 and 7.2, while Leabourne and Arnold scored 7.65 and 7.7 for their amplitude and

Leabourne earning 8.7, 8.35, and 8.3 for their full-twisting vaults. Rocchio, McCarthy, and Martin were also vaulting to their best abilities for scores of 8.2, 8.1, and 7.6.

Rocchio earned third place on

the uneven bars for her clean routine and score of 7.5, and it was no surprise that Arel again won the event with her handstands and full-twisting dismount to a score of 8.65. The balance beam proved to be MIT's trouble spot of the afternoon, but Arnold and Rocchio scored well, earning 7.2 and 7.3 despite falls. Arel fought to stay on the beam during her tumbling series and took second in the event with a score of 8.65 for her efforts and determination.

MIT's momentum brought them to the floor exercise with high expectations. A farewell performance by Andrea Pease '90 for a 7.0 boosted MIT's confidence, as did a graceful routine by Arnold, who earned 7.65. The finest performances thus far by Leabourne and Rocchio further

cemented victory for the Engineers as their scores of 8.1 and 8.05 earned them third and fourth place on the event. Arel brought the crowds to their feet as she broke the MIT Floor Exercise record with her score of 9.1 and her lively routine to "Flashdance."

Arel won the meet overall with a 35.1 while Rocchio had her best overall score of 31.1.

MIT will travel to Ithaca this weekend to face Ithaca College in what will be one of their most difficult Division III matches of the season. The match promises to provide a good chance to warm up for their upcoming match with defending New England Champions Salem State. *Editor's Note: Catherine Rocchio '89 is the assistant coach of the Women's Gymnastics Team.*



William Chu/The Tech

Lisa Arel '92 scores points with her balance beam routine.

grace. Rocchio's advanced tumbling earned her an 8.0 and third place on the event, while Arel earned her second 9.0 of the evening and won the event easily.

Overall, Arel won the meet with her season's highest score of 35.35, Rocchio taking third place with a 30.85. Arnold also had a good day and was close behind in fourth place with her all-around score totalling 30.4.

Last, but not least, was MIT's competition against rivals Rhode Island College Saturday afternoon. The vaulting squad performed solidly as usual as MIT swept first, second, and third places with Arel, Arnold, and

Lapes named winner of Woody Hayes Award

By Shawn Mastrian

Tony Lapes '90 has been named the winner of the Woody Hayes Award for being the outstanding male scholar-athlete in Division III. The award, given to one member of each sex in each division, is the highest award ever given to an MIT athlete.

The qualifications for the award make the field highly exclusive. The nominees must be selected by their Sports Information Director, demonstrate leadership in one or more intercollegiate sport, demonstrate excellence in academics, demonstrate leadership in a socially responsible organization to serve mankind, and exemplify strong moral character.

Lapes earned the award on the field by setting every MIT career and single-game receiving record as a wide receiver on the football team. His off-field accomplishments include a 4.6 GPA in mathematics with computer science (18C) and activity in both the Sigma Chi fraternity and the Campus Crusade for Christ.

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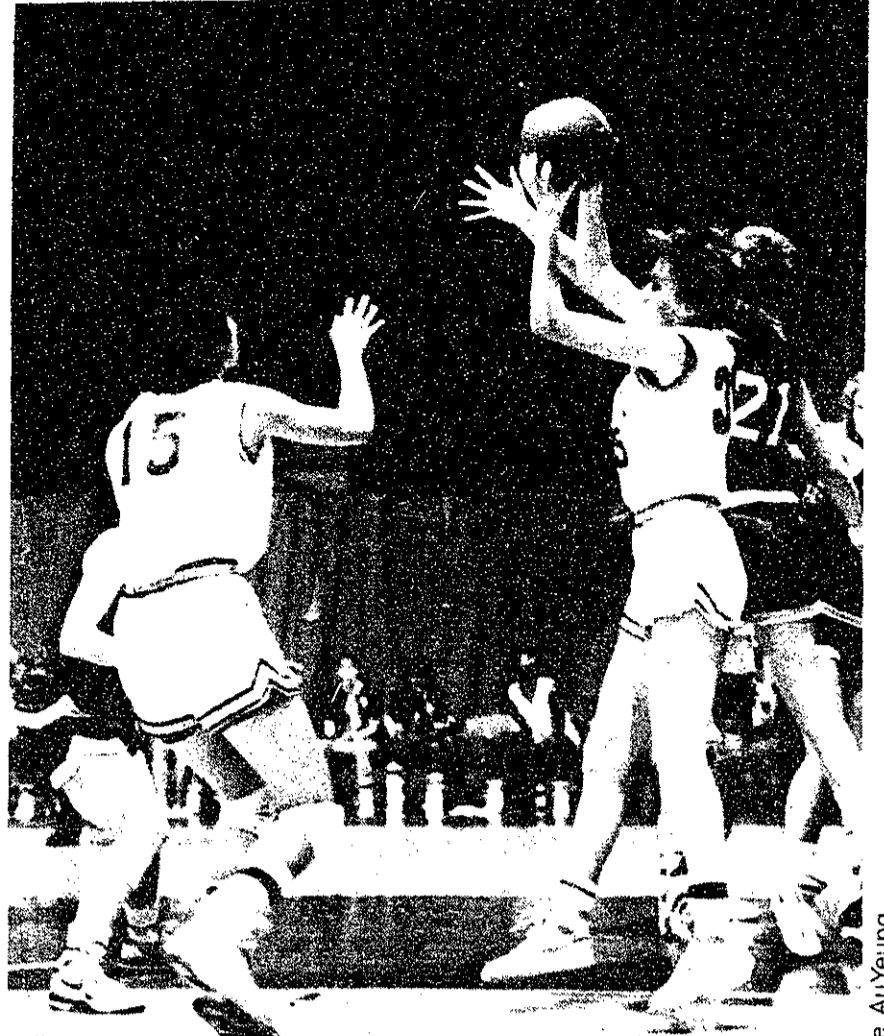
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A Bounty of Basketball. . .

MIT's varsity women defeated Wellesley on Thursday, played Nichols College on Saturday, and on Monday went up against Anna Maria College.



David H. Oliver



Kristine AuYeung



Kristine AuYeung



David H. Oliver



William Chu