

Antico/Strehle win; pledge, P/F backed

Students vote on three referenda

By Dawn Nolt

Voters in the Undergraduate Association elections expressed support for both a social responsibility pledge at Commencement and second-term freshman pass/no-credit grading. Three referenda on these issues appeared on Wednesday's ballot.

The first referendum, entitled "Graduation Pledge," asked voters if they would be in favor of a personal pledge for social and environmental responsibility that would be handed out along with the diploma at Commencement. The pledge would be signed and kept as a reminder of the student's obligation "to investigate... and weigh the... consequences of any professional activity that [he] may undertake." The referendum was approved by 50.6 percent of the voting student body, while 45.6 percent rejected it and 3.8 percent expressed no opinion.

According to Ajay Advani '91, who started the drive to place the pledge referendum on the ballot, the pledge would be optional and would not be used for any reason other than personal inspiration.

Advani decided to promote the pledge after talking to an individual who, along with others, distributed approximately 200 to 300 pledges at last year's commencement ceremony. The pledge was distributed in two sheets, the first being strictly informative and the second containing the actual pledge.

According to Class of 1989 President Carissa Climaco, who also attended last year's ceremony,

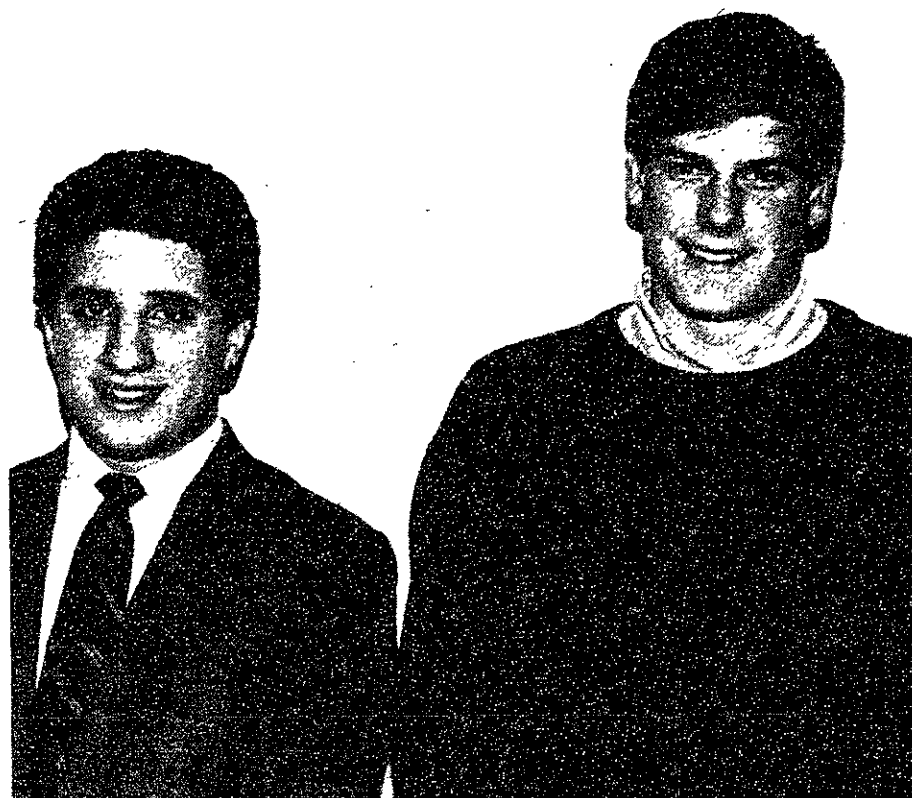
the pledges were printed up to look like an official addition to the commencement literature, and misled many people into thinking that the MIT administration supported the social pledge. She said that only two pieces of literature are allowed at Commencement. One is the commencement booklet listing all the names of the graduating class, and the other is a special commencement issue of *The Tech*.

The idea of a pledge is hardly original, Advani noted. A university in Yugoslavia makes the pledge mandatory for political reasons, and a few other American colleges have initiated the pledge.

At the University of California at Berkeley, students of the physics department attempted to distribute a pledge that urged graduates to consider not using their knowledge for detrimental purposes, such as in weapon research. The Berkeley science faculty swiftly stifled this movement, according to Advani.

Advani presented his idea to the UA Council this year and received the support of fellow councilman and former UA President Manuel Rodriguez '89. Advani and Rodriguez went door-to-door and obtained 500 undergraduate signatures to put the pledge referendum on Wednesday's ballot.

Paul Antico '91, the newly-elected UA president, said he supports the social pledge. His course of action, which parallels that of Advani and Rodriguez, (Please turn to page 2)



Lisette W. M. Lambregts/The Tech
UAP-elect Paul Antico '91 and UAVP-elect Andrew Strehle '91

Integrated course draws fire at faculty meeting

By Andrew L. Fish

Some chemistry and biology faculty members expressed dissatisfaction with the Committee on the Undergraduate Program's motion to offer an experimental year-long integrated course in chemistry, materials science, and biology at Wednesday's faculty meeting.

The motion is a precursor of a plan to add a biology requirement to the undergraduate curriculum. A proposal to eliminate the second semester of freshman pass/no-credit grading was also discussed at the faculty meeting.

In addition, the faculty approved several changes to MIT's *Policies and Procedures* which were recommended by the Committee on Reorganization and Closing of Academic Units.

Integrated course criticized

The CUP introduced two motions which would change the undergraduate curriculum. One would endorse the inclusion of biology in the science core, the reduction of the science distribution requirement to two subjects, and the development of the integrated chemistry, biology, and material science course. The second would eliminate the second semester of freshman pass/no-credit grading and allow students, with some restrictions, to select one credit/no-credit subject each semester, with a maximum of seven.

Some objected to the proposal for the new biology requirement, especially because they believed the new experimental integrated subject would not provide the same content as the current chemistry core classes.

"To include more biology is an excellent idea," said Professor Stephen J. Lippard, one of the instructors of Principles of Chemical Science (5.11). But Lippard was opposed to the experimental integrated subject. He said such an "experiment will always work" because of the enthusiasm of the faculty involved, but that the content of the offering would be "very different." The proposal would be the equivalent of having introductory physics taught jointly by the Departments of Physics, Electrical Engineering and Computer Science, and Brain and Cognitive Science. (Please turn to page 14)

Antico promises pragmatic UA

By Miguel Cantillo

Paul L. Antico '91 and Andrew P. Strehle '91 were elected president and vice president of the Undergraduate Association in Wednesday's election with a solid margin over Luisa R. Contreiras '90 and David L. Atkins '90. Adam Braff '91 and Shawn J. Mastrian '91 followed in a very close third place.

A total of 1503 votes were cast, and the decision was reached after the sixth round of counting. Antico and Strehle obtained 492 votes (32.7 percent) in the first round and were followed by the Contreiras and Atkins ticket, which got 396 votes (26.3 percent). Braff and Mastrian came in third with 363 votes (24.2 percent), and the team called "Stove and Cats" trailed in fourth place with 97 votes (6.5 percent). Matt Labrador and Kevin Dickens, who are not officially registered as undergraduates, ran to protest campus bigotry and police harassment, and received 40 votes (2.7 percent). Other candidates received less than 3 percent of the votes.

In the final round, after the votes for all other candidates were redistributed, Antico and Strehle held 711 votes (47.3 percent of the total voting), besting Contreiras and Atkins, who obtained 555 votes (36.9 percent). Two hundred and thirty seven votes (15.8 percent) did not include either Antico/Strehle or Contreiras/Atkins on their preferential ballots.

Voter turnout for this year was 35.7 percent of the undergraduate student body — lower than last year's 41 percent turnout.

Antico attributed his successful campaign to devoting more individual attention to students. Both Antico and Strehle had worked for the UA and for the Class of 1991, and they had also made a point of going door-to-door to talk with undergraduates. Antico believed that this rapport with students bred confidence in both him and Strehle, and this confidence made them a viable ticket.

Braff, commenting on the possible causes for his loss, said that perhaps undergraduates do not grasp how crucial it is to change the UA. There is a general trend towards inertia that makes students want things to remain as they are, Braff added. He said that he would not run in next year's UA elections because he plans to graduate as a junior.

Contreiras congratulated Antico for his success and added that she believed that both Antico and Strehle were very capable of running the UA.

With regard to the changes in (Please turn to page 13)

Perot calls for US industrial revival

By David P. Hamilton

In a talk laced with self-deprecating humor and sharp jabs at lawyers and management consultants, Texas billionaire H. Ross Perot deplored the nation's economic state and laid out his personal philosophy in front of a standing room only crowd in 54-100 yesterday.

Perot was at MIT as part of the Sloan School of Management's Distinguished Speakers program, according to Lester

Thurrow, dean of the Sloan School. Thurrow denied rumors that Perot planned to make a financial gift to MIT, and Perot himself jokingly turned aside questions about the matter, saying he was at MIT "to get a loan myself."

A man once described by *Fortune* magazine as "a brilliant manipulator of emotions," Perot captivated the audience with plain "farmhouse talk" about the failings of the federal govern-

ment and American business. "The lesson you learn in Fortune 500 companies is 'Don't do anything wrong,'" he said. "That's a terrible lesson. How are you ever going to learn anything if you don't make mistakes?"

The mission for American workers is "to create jobs," Perot said. Some occupations are more productive in this regard than others, he suggested, asking audience members who intended to become lawyers or consultants to raise their hands. "Now, this isn't nice," he said once a handful had complied, "but who here is going to do some honest work?"

Perot's laundry list of American shortcomings is extensive. He told the audience that the United States is the largest debtor nation in history, commands a much smaller share of the advanced technology market than it did in 1980, and ranks 14th out of 15 industrial nations in academic achievement. "We beat Thailand," he said, grimacing.

"Out of success comes arrogance, and out of adversity comes strength," Perot continued. Japan had the opportunity to rebuild itself after the Second World War, whereas the US became used to its premier position in the global economy, he said.

Crucial to the reconstruction effort were the "brains and wits" that allowed resource-poor, island Japan to build a first-rate economy, Perot said. In 1946, for example, Honda sold motor scooters made from salvaged scrap metal, he said. Now it's one (Please turn to page 12)



Lisette W. M. Lambregts/The Tech
H. Ross Perot speaks to MIT students about reversing the decline of the American economy.

inside

Lawrence of Arabia restoration does not mask flaws. Page 9.

Ilana Davidson sparkles as Susanna in production of Mozart's *The Marriage of Figaro*. Page 9.

Students favor frosh pass/no-credit

(Continued from page 1)

will be to discuss the referendum with the Graduate Student Council.

Advani plans to send out information and a response form in the GSC News. This will then give undergraduates an idea about how graduate students feel about the pledge, according to Advani.

The UA also plans to talk to the MIT administration in order to get official support and approval to distribute the pledge during Commencement, Advani said. If the pledge is approved, the UA will sit down with the Senior Commencement Committee to iron out the final wording of the pledge, according to Antico.

Both Advani and Rodriguez felt that the pledge will be taken seriously by graduating seniors. But Climaco did not believe that people will take the pledge to heart. She felt that graduating students will be more concerned about receiving their diplomas and most likely ignore the pledge sheets.

The idea of social responsibility, Climaco emphasized, should be fostered throughout one's academic life at MIT and not initiated with the signing of a written pledge at one's graduation. Although she felt that the pledge will be so vague as to be almost harmless, Climaco stressed that the idea of social responsibility should be kept in one's mind and heart, rather than written on a piece of paper.

Pass/no-credit receives support

The other two referenda dealt with student pass/no-credit options. Over 72 percent of voting students felt that their second-term freshman year experience with pass/no-credit grading was positive, while 12.8 percent felt it was negative and 5 percent had no opinion.

Almost half of the voters, 47.9 percent, favored keeping the pass/no-credit system the way it is now. Another 28.5 percent wanted to limit freshman pass/

no-credit to first term only and allow students to take seven courses at any time afterwards on credit/no-credit, with some restrictions. The last printed option — which is the one proposed by the Committee on the First-Year Program — was approved by 9 percent of the voters, who wanted pass/no-credit limited to first-term freshman year, but also wanted the seven pass/fail courses limited to one a term, with some restrictions.

Antico said that both he and his running mate, Andrew P. Strehle '91, supported freshman pass/no-credit for both semesters of freshman year. He felt, however, that because of the many different needs and opinions of both faculty and students on this issue, more time should be spent on working out other options. Antico promised that both he and Strehle will go door-to-door to listen to student ideas about the grading system, and hopefully bring suggestions to the next faculty meeting on April 19.

Rodriguez supported the current pass/no-credit system but also felt that there is room for improvement. He felt that since MIT attracts such a diverse field of students with vastly different backgrounds and secondary school education, pass/no-credit grading for all of the freshmen year allows students to "catch up" on their preparation and become more capable to face the fierce academic competition at MIT. It also allows other students to get into the rhythm of studying, which might include four problem sets a week and other assignments, Rodriguez added.

Students elect class officers

By Prabhat Mehta

Many of the sophomore, junior and senior class officers elected Wednesday ran unopposed, and some positions were left unfilled because no candidates appeared on the ballot. Despite an extended deadline for candidate petitions, five class offices will have to be filled by their governing class councils, according to Dean Miller '91, a member of this year's Undergraduate Association election commission.

The extension on the petition deadline managed to place candidates in six previously empty races, but the positions of treasurer and class agent for the Class of 1989, secretary and publicity chair for the Class of 1990, and publicity chair for the Class of 1992 were all left without a candidate.

In the senior class, only the presidential race was contested. Incumbent Carissa Climaco retained the office by defeating Darian C. Hendricks. The other offices were filled by the names which appeared on the ballot: R. David Duis for vice president, Henry Houh for secretary, and Laura Brauer and Christine Leviness for members-at-large.

Both the positions of president and vice president were contested in the junior class elections. Joe

Babiec was elected class president, while Stacy Segal will become vice president. Humphrey Chen successfully ran unopposed for treasurer, as did the team of Will Botti and Priti Paul for social chairs.

The most heated battle of the class elections was the sophomore presidential election. Aimee Quijano defeated three other candidates to become the next Class of 1991 president, and Judy Chen defeated Pete O'Neill to become class vice president. All other seats were uncontested. Manish Bapna will be treasurer, Amy Thorsen will be secretary, Rachel Wilks and Dawn Mitzner will be social chairs, and Orlando Martinez will be publicity chair.

Incumbent Aileen Lee defeated Rizwan Virk in the freshman presidential contest, while Mitchell Liu beat John Welch in the class vice-presidential race. Pete Wainman defeated Denise Purdie for the treasurer's spot; Celia Liu took 61.9 percent of the vote in her win over Arvind Lakshminarayana to become secretary; and Peggy Hsieh and Rebecca Niles defeated the team of Jenny Rigney and Eva Regnier in the race for social chairs.

As usual, the freshman class had the highest voter turnout and the most contested seats.

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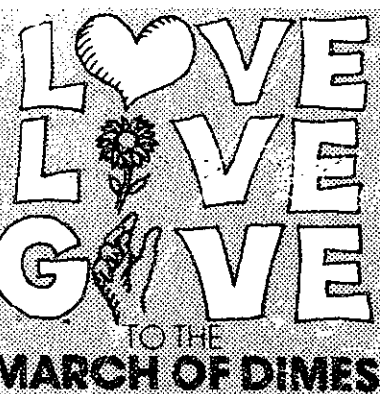
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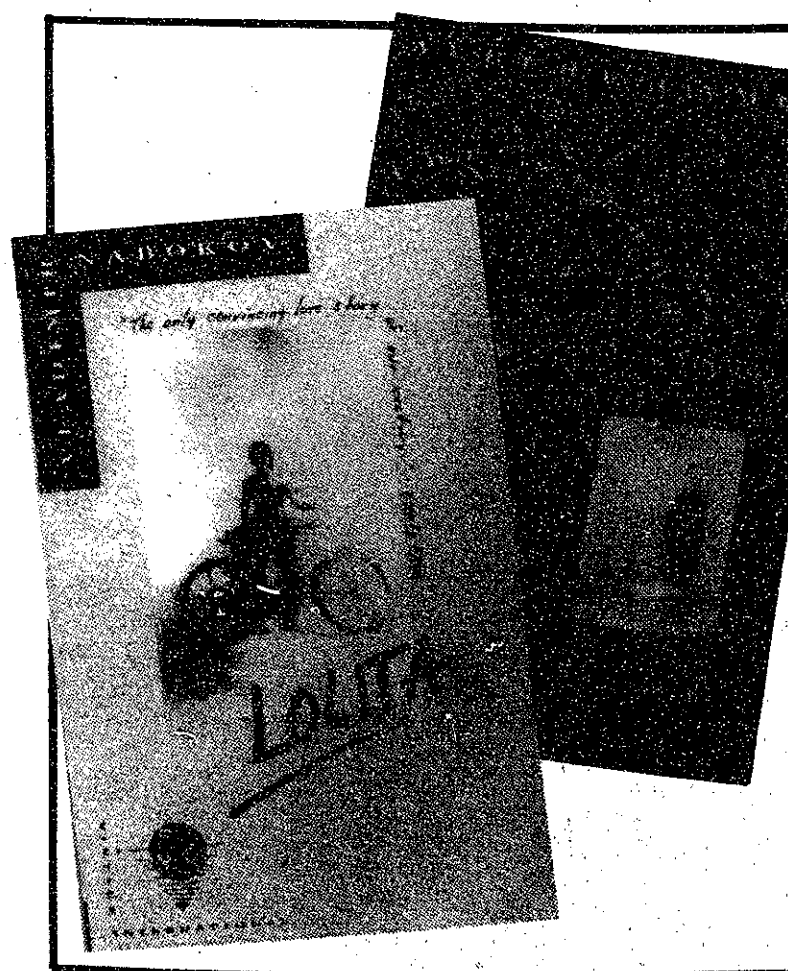
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the Coop

news roundup

from the associated press wire

World

Britain said to know identity of Pan Am bomber

A report in a London newspaper says British authorities know who planted the bomb aboard Pan Am flight 103. The resulting crash killed 270 people last December. Today's editions of *The Times of London* says investigators "now know precisely who made and placed the bomb and the whereabouts of the bomber." Citing British government sources, the report says authorities are expected to disclose details of their investigation next week.

British officials yesterday said they twice warned airlines about a possible bomb plot weeks before Pan Am jumbo jet was ripped apart above Scotland. But Pan Am says it only received one warning, and that arrived by mail three weeks after the disastrous explosion.

Central American countries accept UN peacekeeping plan

Five Central American countries said they are ready for United Nations peacekeeping forces to patrol their region in an effort to prevent cross-border raids by guerrillas. Officials from Nicaragua, El Salvador, Honduras, Costa Rica, and Guatemala agreed in principle to the UN plan which calls for 100 observers stationed along border areas.

Four-year anniversary for Anderson

Marking the start of the fifth year as a hostage in Lebanon for journalist Terry Anderson, his sister, Peggy Say, issued an urgent call yesterday for his Lebanese captors to free him. US policy is to make no concessions to win his release and this policy is unlikely to change, according to a Bush Administration official.

Islamic leaders condemn novel, not author

Foreign ministers from 46 Islamic countries met in Saudi Arabia yesterday and voted to condemn *The Satanic Verses* as blasphemous. However the leaders rejected the death order issued by Iran's Ayatollah Khomeini against author Salman Rushdie.

US serviceman charged with espionage

US Army serviceman Michael Peri has been accused of handing over classified military information to East Germany. Peri, an electronic warfare specialist from California, disappeared from his post in Frankfurt for eleven days before he turned himself in earlier this month. Before yesterday's announcement, Army officers had described Peri as a "good clean-up soldier" and had nominated him as "soldier of the month" twice last year.

Chile unhappy about US fruit warning

Chilean officials and farmers were angered by the recent US warning against eating Chilean fruit after two grapes imported from Chile were found to be laced with cyanide. The United States acted along with several other nations and the international move could cost Chilean farmers \$1 billion. One Chilean official called the move "almost an act of war."

Nation

Committee approves Cheney

The Senate Armed Services Committee unanimously approved Wyoming Congressman Dick Cheney's nomination as secretary of defense yesterday. Committee Chairman Sam Nunn praised Cheney as highly qualified and President Bush, who nominated Cheney last Friday, expressed satisfaction and looked forward to the full Senate vote today.

House votes for intervention in Eastern strike

The House voted 252-167 on Wednesday to approve a bill that would force President Bush to intervene in the Eastern Airlines strike. Bush has refused to invoke a cooling off period and appoint a board to find a solution to the dispute. He also promised to veto the bill if it makes it through the Senate.

Discovery tank fixed

The lights were back on aboard space shuttle *Discovery* Wednesday after mission control yesterday fixed a troublesome hydrogen tank which helps to support electricity to the crew's quarters. The five crewmembers had switched off unnecessary lights and computers, concerned about erratic pressure readings from one of the three hydrogen tanks aboard the shuttle. Officials said that the crew was never in danger, but the trouble had threatened to shorten the mission by a day.

Colt suspends civilian M16 sales

Colt Industries, a US gun manufacturer, followed the lead of the Bush Administration when it voluntarily suspended sales of the civilian version of the M16 rifle. The administration suspended the importation of foreign-made semiautomatic assault guns Tuesday. President Bush said he saw no need to expand the ban to US-made weapons at this time, according to White House spokesman Marlin Fitzwater.

Watkins lowers waste clean-up estimate

The clean-up of dangerous waste at government nuclear power plants may not cost as much as has been estimated, Energy Secretary James Watkins said Wednesday. Watkins told Congress that the \$80 to \$100 billion previously suggested should be lowered, although he did not have a figure to offer.

Bush proposes tax credit for child care

President Bush urged Congress to provide tax credits for child care in an effort to help low-income families. He submitted a package which would provide a tax credit of up to \$1000 for each child under the age of four. The law would apply to families with incomes ranging from \$8000-\$13,000 a year.

Local

State's first gay judge confirmed

The state's executive council voted Wednesday to confirm the nomination of Dermot Meagher, Massachusetts' first openly gay judge. Confirmed by an 8-1 vote, Meagher will succeed Judge Joseph Feeney on the Boston Municipal Court. The lone dissenter was John Markey of North Andover. Gov. Michael S. Dukakis presided over the vote and said he was pleased with the outcome.

Dukakis, Peterson discuss trade relations

Gov. Michael S. Dukakis met with Ontario Premier David Peterson yesterday to discuss trade relations, welfare programs and the Governor's upcoming trip to Canada. Although Peterson is an opponent of the free trade agreement between the United States and Canada, he assured Dukakis that his position would not have to stand in the way of good trade relations with Massachusetts.

MIT to compete in solar car race

MIT will compete against Dartmouth, New Hampshire Technical Institute, University of Lowell and Worcester Polytechnic Institute in a solar car race in May. The first-of-its-kind in the United States, the *American Tour de Sol* will take four days and cover 200 miles on back roads from Montpelier, Vermont to Cambridge, MA. The winner will compete in Switzerland, according to race coordinator Robert Willis.

Sports

Strike may interfere with opening day at Wrigley

With the start of the 1989 baseball season just weeks away, preparations for the Chicago Cubs home opener were halted by a groundskeepers strike. Laborers, installing the skyboxes Wrigley field, honored the strike which began yesterday. The groundscrew has not had a contract since Dec. 31.

Bowman wins US skating medal

The United States received its first medal in the World Figure Skating Championships in Paris yesterday as Chris Bowman placed second behind Canada's Kurt Browning. Jill Trenary, also representing the United States, was in second place after the compulsories in the women's competition.

Weather

MIT meteorologists win contest

The Tech would like to congratulate two of its meteorologists, Robert X. Black G and Michael C. Morgan G, for their performances in the 1987-88 National Forecasting Contest. The contest had students and faculty from around the country forecast weather for eight different cities over an eight-month period. Out of 87 graduate student participants, Black placed sixth, while Morgan took 17th place. The MIT team — from the Center for Meteorology and Physical Oceanography — won the over-all contest against 26 other teams. The CMPO group placed first in two of the three scoring categories, and third in the other.

A mixed bag

The weekend weather forecast for Boston is a mixed bag. Although conditions will be mild, we can expect accompanying wet weather late Saturday and into Sunday. This will result from a warm, moist southerly flow associated with a northeastward propagating disturbance, now positioned at our southwest. Cooler and dryer conditions will return to our region late Sunday.

Today: Skies will be mostly sunny with high temperatures 50-54°F (10-12°C). Winds will become southwesterly at 10-15 mph (16-24 km/h).

Tonight: Clear with lows near 35°F (2°C).

Saturday: Increasing cloudiness with showers likely late in the day. Highs in the 50s (12-14°C).

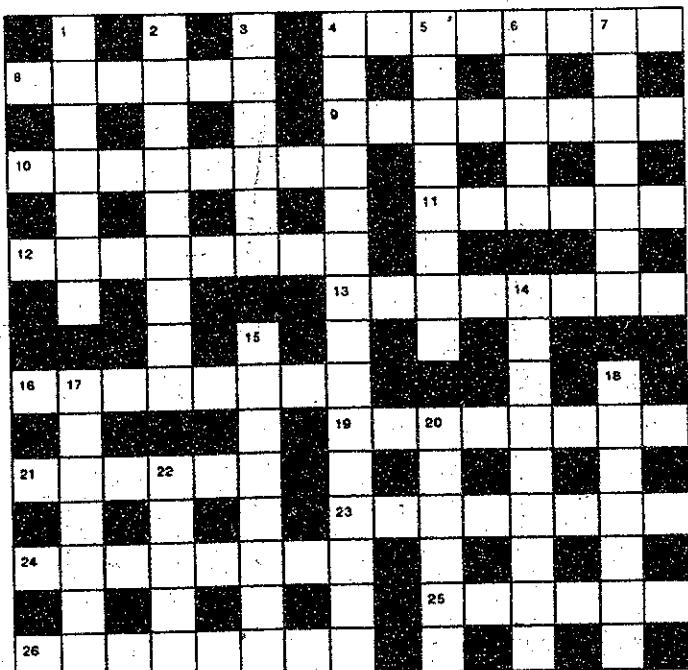
Sunday: Mostly cloudy with a chance of showers. High 45-50°F (7-10°C).

Forecast by Robert Black

Compiled by Prabhat Mehta and Linda D'Angelo

Cryptic Crossword #2

David M. J. Saslav



Solutions, page 12

Across

4. Amber Joe throws a party. (8)
8. Unkind by intent? (4, 2)
9. Burn the team limo! (8)
10. Intention derived by putting it in short volume on charged particle. (8)
11. It's uncommon I tarry indecisively. (6)
12. Provide me an order with an attitude. (8)
13. Tease man unmercifully — he radiates. (8)
16. No! Woo later! This is a battlefield! (8)
19. Tell us trousers have shimmering quality. (8)
21. Basketball player leaves child here. (6)
23. Burglary, the very confining one! (8)
24. Mezzo's opening song sends letter in Greek to Mexican band. (8)
25. *Tech* Executive Editor holds in a surface coating. (6)
26. Bony, bald, innovatively popular rock star. (3, 5)

Down

1. Named dog seen around East Campus will get better. (7)
2. Engine 601 derailed due to laziness. (9)
3. Skin creme puts it back in bird's belly. (6)
4. New Year's vow by both houses to smoke pot? (5, 10)
5. Tribute starts with me, I then discovered in moral setting. (8)
6. We hear famous mathematician plays in the NFL! (5)
7. Give the right to accent it less inwardly. (7)
14. Condoning wire service act of conviction. (9)
15. Call Eric quickly for the church employee! (8)
17. Aga goes anywhere, or he did in ancient history. (4, 3)
18. Ruin compass reading, retaken at daybreak. (7)
20. Well-dressed spy hides, if and only if shortened. (6)
22. Sounds like advice to languishing company of three! (5)

opinion

LETTERS TO THE EDITOR

Pledge would legitimize social awareness

I am disappointed by Mark Kantrowitz's latest column ["Commencement pledge is meaningless gesture," March 14]. Here I read simple-minded rationalizations for avoiding the issue of social responsibility in relationship to one's work. In this column Kantrowitz completely misses the point: the objective of the pledge to social responsibility is not to carve in stone a set of religious rules to be adhered to; it is to legitimize the idea that scientists should place some value on whether they act responsibly as citizens or human beings, not just as scientists or engineers.

Kantrowitz says that the pledge "can mean whatever the student wants it to mean." Yes. That's the whole idea: to get the student to value the idea of social responsibility in the abstract, because at the present time the MIT culture, for whatever reason, does not instill its students with a sense that

it is important to be a responsible citizen or human being. The culture pressures students to merely brush the surface of issues so that they have just enough knowledge of a subject to convince themselves and others that they are acting responsibly, either now or later in life. Social responsibility, *a priori*, is not valued, nor taken seriously. If this were just a matter of disagreement on a few particular issues then the problem would be much simpler one to deal with. But this is not a question of particulars, but of very fundamental values.

Kantrowitz also says, "technology is neither good nor bad." I don't understand why he would believe that we, as students, are somehow insulated from the responsibility that comes with the importance of the work which is done here. MIT students must believe that they have at least some responsibility for the influ-

ence of their work on society, if for no other reason than sheer practicality. The awareness of technological issues which being exposed to a culture like MIT can bring to a person also brings with it the responsibility of members of the MIT culture to, if not inform the public at large of issues that can affect them, then at least not to abuse the power which they may hold for personal gain.

People associated with science and technology must make some effort to familiarize themselves with the social issues relevant to their fields. Obviously, if one does not make any effort to explore the facts seriously, then he or she will be unlikely to find anything disagreeable in almost any work. It would be foolish, also, to assume that this institution, or any other like it, would participate in efforts to enlighten their students to the possible negative outcomes of their work, when the leaders of this institution may consider such an action to be in conflict with their own interests or the interests of the institution.

Kantrowitz also says, "If scientists were to withhold inventions because of potential bad uses and side-effects, all technological progress would halt." This is a grotesque oversimplification of the issue and I doubt that such a statement could make any constructive contribution to a meaningful debate. The question is not whether or not all science and technology has unacceptable side effects, but which particular areas of science are most likely to have unacceptable side effects, and under what circumstances. In which areas are the probability and consequences of the misuse of technology so severe and far reaching that one should avoid or refuse to participate in them? That is the real question: Kantrowitz misinterpreted the situation.

The MIT culture fails to foster an atmosphere of social responsibility. A commitment to science and engineering is certainly valuable, but such a narrow-minded commitment, regardless of how intense it is, cannot impact positively on the society in which it prospers unless it comes along with a commitment to social awareness and responsibility.

There is a real issue in this pledge. If there were not, then Kantrowitz would not have written his column. It is one of personal integrity. It is forgivable to make an error in judgment and create something which does harm. It is not forgivable to lie to one's self and others in order to advance one's own interests at the expense of one's society or the world itself. I think this alone would be a reasonable criterion for socially responsible behavior, with no other specifics.

Theodore A. Corbin '90

SCC should take better care in organizing Battle of the Bands

We would like to express concern about the way the Student Center Committee's Battle of the Bands was conducted this year. We would like to draw specific attention to the fact that the judges of the preliminary rounds were not the same for each week. Apparently, one of the judges could not be present for the third week, so SCC had to arbitrarily choose a replacement for that round.

One of the three judges' sheets contained sexist remarks as well as slanderous comments about a particular living group. We were very disturbed by these inappropriate comments on such sensitive issues. We feel that SCC must be more careful in selecting its judges and in making sure that they do their job properly. The judges should be open-minded, impartial, and, above all,

consistent, so that the bands are judged on musical abilities and performance rather than personal biases.

If SCC has problems finding judges or does not take the Battle seriously, the public should be informed in advance. SCC's present attitude is unfair to the musicians, the audience, and all others involved. We cannot help feeling disappointed that our time and money was spent on a competition that was not held legitimately, and we are looking forward to better organization in next year's Battle of the Bands.

Kristina Holly '89

Male Member

Jose Ortiz '91

Q.E.D.

Armando Fox '90

Spoon

Peter Colao '89

Angst Puppies

Some longtime ARA managers work hard to keep good service

After having read Taki May's letter ["ARA cannot keep competent food service managers," March 4], I feel compelled to point out that not all ARA food service managers are incompetent fools.

I work with a gentleman who is, quite simply, astoundingly competent. Paul Bragger, the manager of McCormick Dining, has held his position for nine years. Paul was here long before ARA took over, and ARA hasn't run him off in the same way that May claims it has other people. He is right here, weathering these financially difficult times with the rest of us.

Paul's job has not been easy, especially of late. McCormick has lost quite a bit of money, and as a result, two full-time employees, have been laid-off. In addition, I have worked with Paul to decrease our student payroll.

Despite the need to tighten the financial belt, Paul has remained committed to running an efficient operation while keeping his customers happy. At least once a semester, Paul conducts a survey of his customers' preferences, and he can easily be reached during most hours of operation to discuss his customers' concerns. Concerns and suggestions are heard and implemented, if immediately feasible; Paul also investigates all other suggestions to

make them more feasible.

It is not the fault of managers at each dining facility that they cannot balance their budgets. Business is down, and unfortunately, the dining halls cannot wage "price wars" to attract more business. A manager can only use the tools he or she has within, along with the ones handed down from his or her superiors.

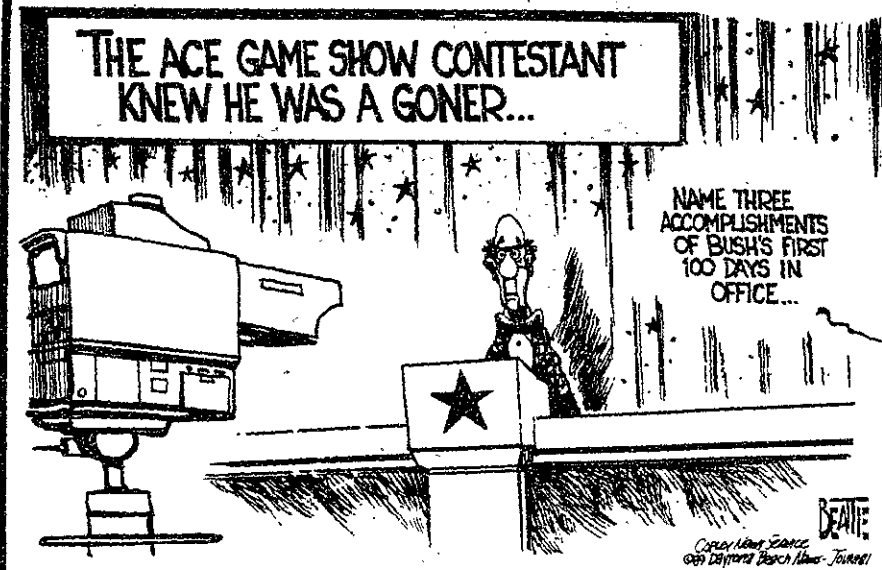
In short, I wouldn't claim that ARA is running off all the competent people — there are still plenty around, trying their damndest to do their jobs and keep us happy.

Elena Koutras '90
Student Staff Captain
McCormick Hall Dining

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TheTech

Volume 109, Number 12

Friday, March 17, 1989

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Alumnus recalls wartime Washington memories

MIT students were a conservative lot in those days. One survey showed also that seniors were more conservative than freshmen, a trend contrary to that of every other educational institution in the survey. Unlike Harvard, MIT was strongly Republican. During the 1940 election campaign Franklin Delano Roosevelt came to spend an evening with his son John and his bride, then living at 520 Beacon Street. To permit easy presidential access, the city of Boston paved the back alley between Massachusetts Avenue and the Fensgate. For the President's benefit the four fraternities on Beacon Street all put up "Win With Willkie" signs in

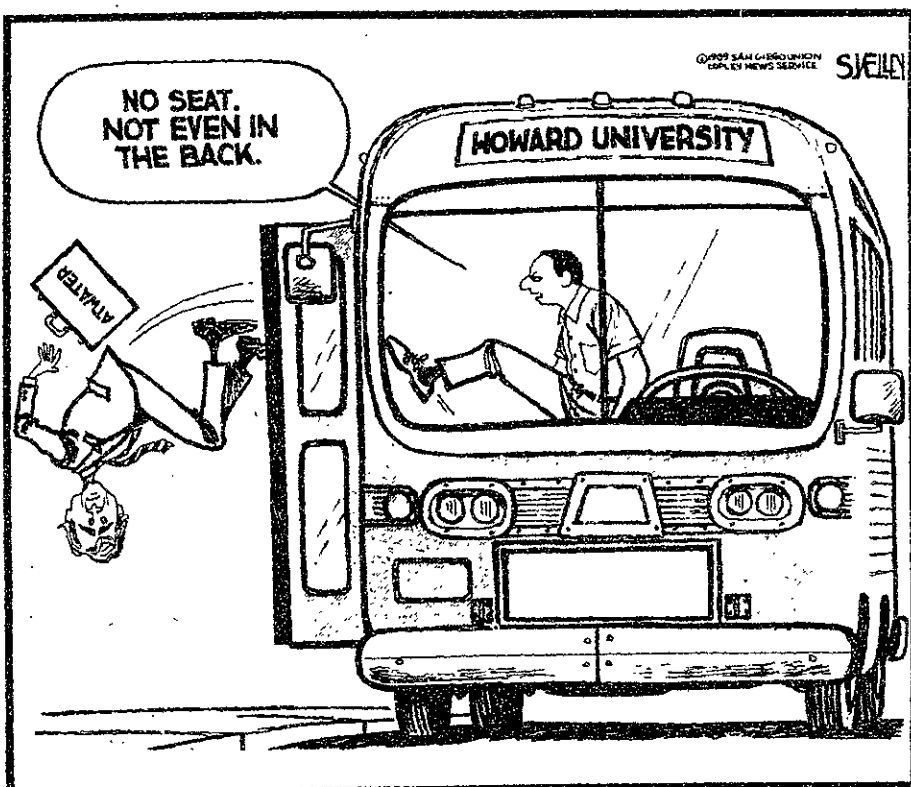
Many are ignorant of Brazil's status as developing nation

The development of new technologies is constantly increasing

Robert W. Blake '41

Brazil is not just a rain forest, but also a country that is in process of development, a country that will shortly achieve the standard of the so-called developed nations.

Rodrigo Antonia de Paiva G



Elias

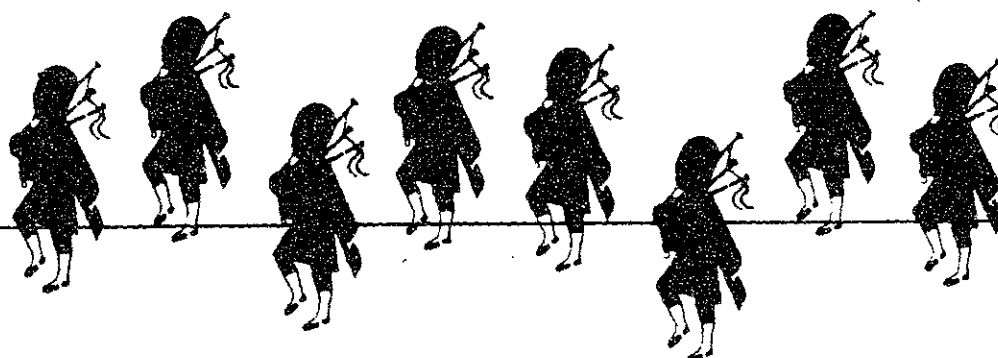
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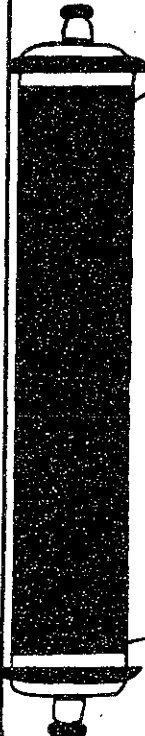
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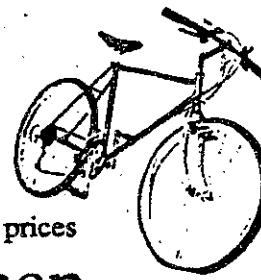
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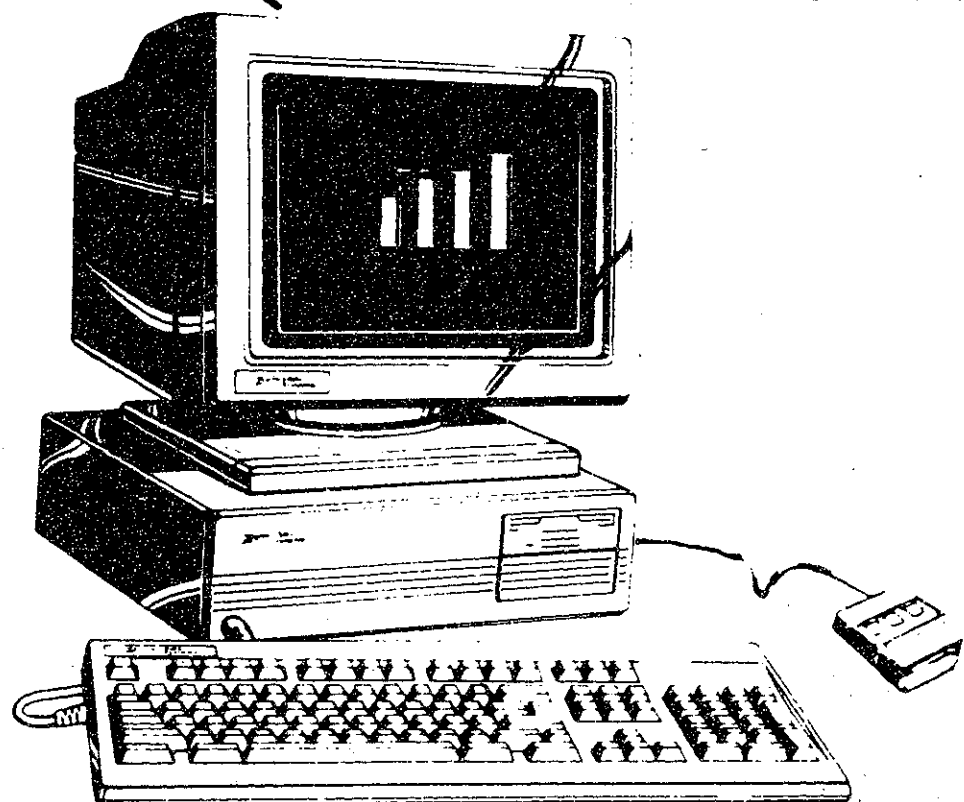
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Despite its restoration, Lawrence of Arabia still flawed



T. E. Lawrence (Peter O'Toole, right) and Sherif Ali ibn el Kharish (Omar Sharif) battle the Turks in David Lean's *Lawrence of Arabia*.

LAWRENCE OF ARABIA

Directed by David Lean.

Screenplay by Robert Bolt.

Starring Peter O'Toole, Alec Guinness,

Omar Sharif, and Anthony Quinn.

Opens today at the Charles Theater.

By MANAVENDRA K. THAKUR

THE RECONSTRUCTION AND restoration of *Lawrence of Arabia* — arguably one of the most famous epics in Western film history — will allow a new generation of filmgoers to view the film's virtually nonexistent content in spectacular Super Panavision 70 and 6-track magnetic sound.

Parts of the film do manage to create a lasting impression — the sweeping shots of the desert and the battle scenes, for example — but these scenes do so largely because the film has been conceived and constructed on a massive scale. The excellent cinematography by F. A. Young is instrumental in giving the film its epic appeal. Young effortlessly thrusts viewers into the thick of horse chases and battle scenes, and he knows how to manipulate the large image to maximize impact. His talent

meshes well with Lean's ability to organize and direct huge crowds of people, and the majestic desert theme composed by Maurice Jarre helps enhance the desert scenes even further. Unfortunately, the rest of Jarre's score is not nearly so successful, primarily because of its occasionally distracting and annoying qualities.

Equally annoying is David Lean's ineffective directorial style. During a sequence in which Lawrence and his men cross the desert to attack the Turkish stronghold of Aqaba, the film tries to emphasize that Lawrence is willing to take risks in the desert that even the Arabs would not dare. But the most treacherous part of the crossing ends as abruptly as it began, and nowhere does Lean's direction convey any sense of how Lawrence acted differently from others who had tried and presumably failed to cross the desert. Consequently, Lean fails to induce his viewers to participate in Lawrence's battle against the elements.

The film's emptiness becomes especially clear after the intermission, when the film finally begins to fill the void left by the first half's heroic veneer. Even so, it still

tends to observe Lawrence's contradictions from a safe distance rather than close the psychological distance to probe deeply. One need only consider how diminished Lean's film would seem on television or video to realize just how little this film has to offer other than its grand epic imagery.

In terms of that imagery, it must be recognized that the film's marvelous technical accomplishments, both in its original creation and its current restoration, constitute a potent argument for replacing the current 35mm standard with a 65mm negative. With the impending arrival of High Definition Television (HDTV), it is increasingly important to modernize the picture resolution and sound capabilities in order to draw viewers out of their homes. Seeing *Lawrence of Arabia* in all its original grandeur may be the vehicle needed to remind the industry and viewers alike of the appeal that these 70mm prints can have.

Columbia Pictures' newspaper advertising touts the restored version as a "Director's cut," referring to the fact that Sir David Lean personally directed the re-recording of some missing dialogue and also approved the final edited version. This is

as it should be. But again, the reality is that virtually every studio pays lip service to adhering to the director's vision while routinely denying final cut to less visible and influential directors.

Certainly Dawn Steel, president of Columbia, should be praised for approving and consummating the project. She and Columbia gave Robert Harris and Jim Painten, who were involved in Kevin Brownlow's monumental reconstruction of Abel Gance's *Napoleon* (1927), a mandate to reconstruct Lean's film to its original state. This mandate, and the restorers' personal convictions, prevented the hideous results that followed Turner Entertainment's decision to tinker with the color scheme of the recent re-release of *Gone With the Wind* (The few color defects that remain in *Lawrence of Arabia* stem from deterioration in the original negative that could not be corrected).

Nevertheless, the politics behind Steel's decision reveal the same bottom-line mentality that has crippled Hollywood's creativity for decades. In terms of reversing that legacy, Steel and her fellow studio heads have, like David Lean in his film, just barely begun to scratch the surface.

(Editor's note: The following excerpts are taken from a review that appeared in The Tech on Jan. 9, 1963.)

Any serious attempt at a screen biography of T. E. Lawrence must meet with almost unsurmountable difficulties: Lawrence, a man who became a legend in his own time, was an incredibly complex and many-sided character. . . . As a result, *Lawrence of Arabia*, visually rich, intellectually honest and careful as it is meets with only a partial success.

The film does not stand up to detailed psychological examination. I failed to comprehend the psychology behind Lawrence's contradictory behavior. . . . Robert Bolt's screenplay succeeds only in capturing the external side of Lawrence's character. . . . Had the film been restricted to the legend of Lawrence, had it not had any psychological pretensions, any desire to portray the man, perhaps it would have been the achievement its talented staff had led us to believe.

Directed with painstaking dedication by David Lean, *Lawrence of Arabia* is a product of years of work. Shot on location in the Arab desert, a beautiful color photography and a sense of pictorial composition give it a splendid visual quality. If one is content with admiring the polished surface of the film, one will think highly of it. Indeed, *Lawrence of Arabia* remains a good film — beautiful, powerful, always intriguing; certainly one of the best Hollywood offerings of the year, perhaps worthy of all the Academy Awards it will probably receive.

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By JONATHAN RICHMOND

BENJAMIN LOEB AND ALLISON Charney have concocted a wonderful *Figaro*: teeming with life, full of color, and progressing breathtakingly from one aria to the next with an inspired sense of wit.

Loeb is a senior at Adams House, Harvard, but one would guess he is a mature professional. Loeb's musical conception is a total joy, and brilliantly executed. His orchestra plays the Overture exhilaratingly, and never lets up thereafter. Orchestral balance is managed with deep insight: the strings bathe the stage in sunlight during the lighter moments, yet at the nocturnal onset of the fourth act, take on a seriousness that infects the air with a heady sensuality.



Ilana Davidson (left) as Susanna and Allison Charney as Cherubino in *The Marriage of Figaro*.

As for the winds — especially the rapturous clarinets, oboes, and bassoons — their ability to constantly underline the feelings of Mozart's characters expressed in words is remarkable. Other instrumental voices speak eloquently, too.

And who better to have as his accomplice than the observant Allison Charney, who controls the action on stage with both precision and passion. It is wonderful to have Susanna popping up from behind a wall to grin deliciously, while Figaro raves about her (wrongly) suspected infidelity. How funny the scene where Cherubino is found hiding under a chair; and the discovery by Figaro that Bartolo and Marcellina are his parents is directed to make the audience chuckles extended and hearty.

The audience laughs, and laughs constantly; it is a *Figaro* where no detail has

been overlooked, but which flows with complete naturalness.

Ilana Davidson is the star of the stage: the sweetest-voiced, quickest-witted, sexiest and generally most delectable Susanna one could desire. Her *Deh vieni, non tardar* displays her most gorgeous — and wicked — singing, as she torments Figaro with her pretended love for the Count. Her voice, combining with softly seductive strings and sybaritic winds, is intoxicating. Her *Venite... inginocchiatevi*, in which Susanna helps Cherubino into his disguise, is charmingly delivered, but Davidson's



Martha Warren (left) as the Countess Almaviva and David Kravitz as the Count.

rare gift for well-pointed and telling articulation ensures that it is not without a good-natured mocking irony.

Davidson's stage presence matches her spectacular singing. Her eyes flash saucily; her expressions constantly tantalize: in this *Figaro*, it is Susanna who wears the pants.

David Kravitz, in the role of the Count, is also outstanding. His voice is firm and expressive, and he is remarkably adept at communicating the Count's increasing sense of frustration as the opera progresses. His *Hai già vinta la causa!* — a tirade against a fate which enables his servant to achieve a happiness that forever eludes him — is mastery. The voice is strong and assertive, but not far below the surface Kravitz reveals the Count's deep sense of paranoia and helplessness. Like Davidson, Kravitz has a keen sense of articulation and the ability to sing with a clarity that ensures that no word is lost on the audience.

Also most impressive is Allison Charney, who sings Cherubino in addition to directing the whole show. Her *Non so più* is beautifully sung: in it she compellingly displays an unrequited sexual appetite, and does so with a breathless, boyish innocence. The humor of Cherubino is played out to the limit: the look on Charney's face whenever Cherubino is found in the wrong place is hilarious; but Charney's Cherubino is also real flesh and blood, an adolescent worthy of some of Mozart's most glorious music.

Rod Nelman is a good actor and makes for an entertaining Figaro. His singing, however, is on the harsh side, and lacking in subtlety. He sings effectively in group scenes, but his solo arias are unpolished.

Martha Warren, singing the part of the Countess, also does well in ensemble work, and at times her singing is not without distinction; she is cruelly taxed, however, in the Countess' two great arias, and the strain shows.

Tim Alexander, sporting a marvelously crazed costume, creates a sleazy Don Basilio and does justice to the role of Don Curzio, too. Paul Lincoln's boozy Antonio appears to have been weaned on an alcohol-laced bottle.

Karen Thompson puts in some charming singing as Barbarina. Al Cameron makes for a crusty Bartolo, Laura Schall Gouillart for a warm-blooded Marcellina — the scene in which discovery is made that Bartolo and Marcellina are Figaro's parents is hysterical.

The chorus sings well and energetically, and its members do not hide their evident pleasure at being in this production.

Mozart's most profound moment of truth occurs at the conclusion of *Figaro*. The Count has been duped, and drops to his knees to beg forgiveness from his wife,

ful concert given last Tuesday (and to be repeated next Monday) by the New World Basset Horn Trio proved that it has unusual expressive powers and merits being heard more often.

Eric Hoeprich performs on a genuine Mozart period instrument built by Griesbacher in the 1970s, while the other members of the Trio perform on copies of the instrument, Lisa Klevit on one made by Hoeprich, William McColl on one which he built himself. The original Griesbacher has a particularly beautiful tone, pungent, yet capable of an almost ethereal sweetness too.

While, for example, recorder ensembles (such as the recently-heard Locki Stardust) play instruments with different ranges, the New World play at different ranges on the same instrument. While one player might exude a bubbly bass, the other two may soar above with the melody. With performances which are nothing short of brilliant, the Trio show that three basset horns can play as three characterful and versatile individuals, displaying as much — if not more — variety as a string trio of different instruments.

Not surprisingly, the program is dominated by Mozart, and extraordinary music it is, too. First heard is the *Divertimento No. II* (KV 439b), a sunny work which the New World inflect with song and dance. The *Larghetto* goes to the level of the sublime, the contrast between the lower-playing instrument and the two above creating a quite poetic lyricism. The music smiles with a gentle, playful humor in the ensuing *Menuetto*, while the *Rondo* brings the piece to a conclusion combining both high spirits and suspense.

Eric Hoeprich commented on the Anton Stadler *Fif Heitere Terzetten* which follows that there is "something about the music that is special and unashamed." It is spunky music, nonetheless, and delivered from musicians of the quality of the New World, is most enjoyable. *The March of the Camel* is particularly humorous, while the steady pulse of the third piece and song-like pungency of the fourth make the music endearing.

Five Mozart duos for basset horns are next played with aplomb, and the program closes with a performance of Mozart's *Divertimento No. III*, KV 439b which presents many elements of Mozart at his

who is legally his property. Kravitz expression of contrition is profound, as it must be in any successful production of *Figaro*, and Warren's reply here is warm and all-forgiving. But it is above all Loeb's inspired orchestral direction which makes this instant sublime, and ensures that this production will be long remembered as one of Lowell House Opera's most distinguished.

THERE ARE NO OTHER instruments I can think of which can play together with as much variety as the basset horn, an eccentrically shaped, deep-voiced cousin of the clarinet with a bell on the end. It was one of Mozart's favorite instruments, and its rich



The New World Basset Horn Trio — Eric Hoeprich, Lisa Klevit and William McColl — in concert at the Goethe Institute, Boston.

and mysterious sounds were used by him to portray Masonic symbolism, notably in *The Magic Flute* and in the *Masonic Funeral Music*.

It is not an instrument one hears of much today, especially not as the sole voice in a chamber recital, but the delight-

most masterful: The New World find pathos in the work's beautiful textures; tension is not lacking either. But it is a bright and joyous fizziness which carries the work along, the full-bodied sound the Trio produces adding to the serenity of a warm and happy performance.

Note: Eric Hoeprich can also be heard on a new recording (Philips 420 242-2) of Mozart's Clarinet Concerto (with Frans Brüggen's Orchestra of the 18th Century) and Clarinet Quintet, both written for Mozart's friend Anton Stadler, who possessed a basset clarinet, capable of producing four more semitones in the bass register than an ordinary clarinet. Hoeprich plays on such an instrument here, finding ravishing new powers of coloration in the extra range. His playing is always sensitive, ever profound, but never loses touch of the quintessential joy-in-sorrow special to Mozart. It is a life-enhancing recording, and no CD collection is complete without it.

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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.

A * R * T * S A * R * T * S
A * R * T * S A * R * T * S

New releases from XTC, Robyn Hitchcock aim to please



ORANGES & LEMONS

XTC
Geffen Records

By DEBBY LEVINSON

HOW MANY GROUPS START OUT with punk fervor and end up regressing to Beatlesque pop? Not many, I'll bet, except for XTC, whose guitar thrashings spiced up early recordings like *White Music* and *Drums and Wires* and whose last album,

Skylarking, was a musical trip through Pepperland courtesy of producer Todd Rundgren. XTC did show their psychedelic side in two releases by their alter egos, the Dukes of Stratosphere, but they were never accused of consciously copying the Beatles until recently. Their latest release is the double album *Oranges & Lemons*, and it should clear up any remaining doubt about where their sympathies lie; the cover is a swirling mass of cartoonish colors and absurdly stretched images à la Peter Max, and some of the songs are so obviously

homages to the Beatles it's a wonder that they weren't credited to Lennon, McCartney, Harrison, and Starr.

The most apparent Beatles imitations here are probably "The Loving," which begins with cheering (see "Sgt. Pepper's Lonely Heart's Club Band") and the overtly political "Here Comes President Kill Again" (alias "Because"), which damns both Americans and British for their international meddlings in the name of saving the world from communism. Not that the songs aren't catchy or worth listening to; "Mayor of Simpleton," the current single, is charmingly naive in sentiment, and "Chalkhills and Children" casts a slow, peaceful musical spell.

There is one limiting factor to *Oranges & Lemons* — the best songs are all on the first two sides. XTC had already created the world's most perfect double album in 1982's *English Settlement*, and *Oranges & Lemons* seems stuffed with filler by comparison. Peel away a few extraneous songs, and this could become a highly enjoyable Beatles tribute album.

* * * * *

QUEEN ELVIS

Robyn Hitchcock 'n' the Egyptians
A & M Records

THERE IS NO WAY TO ADEQUATELY describe the warped sensibilities that pervade the average Robyn Hitchcock album. No one else seems to be able to write about death, flesh, and amphibians in Hitchcock's consistently baffling style. Somehow he mates the cheeriest, bounciest music to the most outrageous topics, as in "Furry Green Atom Bowl," a song from his *I Often Dream of Trains* LP which completely defies explanation. To make matters worse, the cover shot depicts Hitchcock meditating on a large-rooted vegetable, and the inner sleeve contains one of his odder short stories, this one dealing with the dead rising from the grave to make phone calls.

The music itself is as strange as always.

Yes, there is the obligatory single ("Madonna of the Wasps"), and yes, guitarist Peter Buck guests on three tracks to draw in any wayward REM fans, but Hitchcock still churns out songs like "Veins of the Queen." This song shows Hitchcock imagining himself shrunk down to the size of a match head and injected into the veins of Queen Elizabeth to have a look around:

But nobody pretends

*That they really know the Queen
So I'd love to say I'd been
Somewhere deep inside the veins
Of Her Majesty the Queen.*

"Veins of the Queen" and "One Long Pair of Eyes" are both songs Hitchcock performed on his acoustic tour this summer, and fortunately, neither suffers from the fleshing-out they get from his band, the Egyptians. Hearing "One Long Pair of Eyes" performed with bass, drums, piano, and additional harmonies is certainly a change from the sparse, elegiac version I heard in concert, but the song doesn't suffer at all for it. It's still wrenchingly beautiful and one of Hitchcock's best love songs. Likewise, this is one of Hitchcock's best albums, eclipsing *Element of Light* and even *Fegmania*.

* * * * *

Three more albums that may require some diligent rooting around to find but are definitely worth it:

Beleza Tropical (Fly/Sire Records) — various, compiled by David Byrne. Still trying to satisfy his itch for newer and more esoteric rhythms, the head Talking Head flies to Brazil and returns with sambas and folk music galore. The collection is heavy on Caetano Veloso and Milton Nascimento (they perform six of the fourteen tracks), but when the music is this glorious, it doesn't matter. It begins with the utterly infectious "Ponta de Lanca Africano (Umbabarauma)" from Jorge Ben and skips from samba to bossa nova to folk and back again. All, of course, in Portuguese.

(Please turn to page 11)

Interviewing on Campus

Wall Street Financial Software Firm

Digital Transactions Inc. (DTI) develops sophisticated financial trading systems for use by leading banks and corporations worldwide. The company is based in New York City and is relocating in May to the Wall Street area.

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In the two years of its existence, DTI has established a reputation for advanced and flexible financial systems. As a small company, it offers opportunities for challenging work and for participation in profits and ownership which are not likely to be available from large established organizations.

DTI will be on campus on Thursday and Friday, March 23 and 24. Contact the Office of Career Services, 253-4733, to reserve an interview slot.

Or you can send your resume to:

Mr. Nicholas Mitsos
Digital Transactions Inc.
270 Lafayette Street, 11th floor
New York, NY 10012
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ARTS

Masterful tenor and fanciful sets rescue the Met's sterile Werther

WERTHER

By Jules Massenet.
Metropolitan Opera House,
New York City.
Broadcast tomorrow at 1:30 pm
on WCRB-FM 102.5.

By JULIAN WEST

THE SETS FOR THIS PRODUCTION OF *Werther*, designed by Rudolf Heinrich, fancifully create a storybook world, as though we were stepping into the Goethe novel on which Massenet based his opera. At the beginning of each act, the set is seen through a framing scrim, creating the impression of a two-dimensional photo and further stressing the fictional nature of the story, which is too often glibly passed off as autobiographical.

But the storybook conceit should not limit the human dimension of the drama, and the acting too frequently seemed two-dimensional as well. Rather than blending into the backdrop, the acting should have stood out in stark contrast to it. In what could have been an intimate and appealing opera, stage director Fabrizio Melano settled too often for posturing and the grand gesture.

Only in the final scene did the desired intimacy emerge, as Neil Shicoff (Werther)

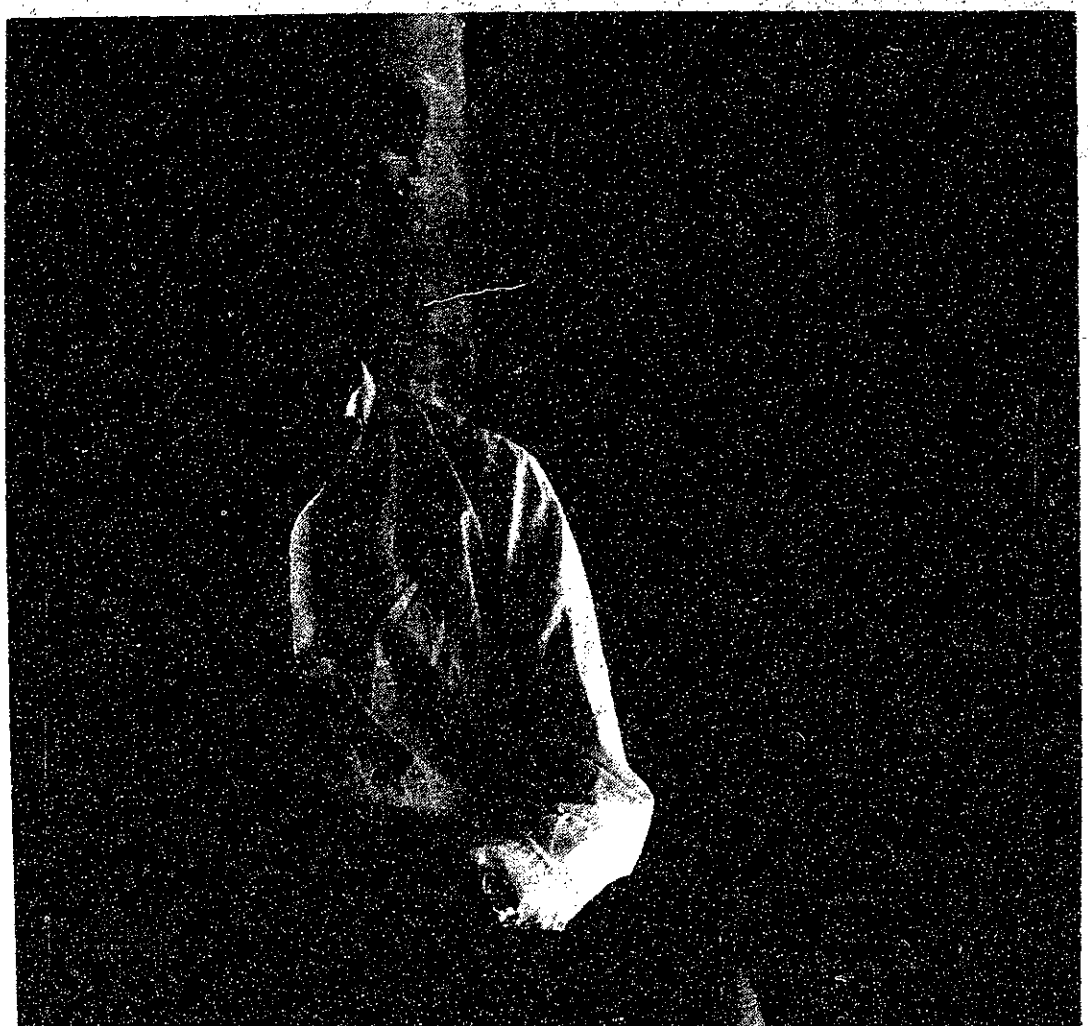
and Kathleen Kuhlmann (Charlotte) joined in a moving love duet. Otherwise, it was only when Shicoff was left alone on stage that the production really soared. Shicoff has in recent seasons become a major presence at the Met, with roles including Hoffmann and Don Carlo.

He also makes a splendid Werther. After his first aria "Je ne sais si je veille" the audience knew they were in for a good evening of singing. Shicoff went from strength to strength: "Un autre est son époux!" was sorrowful and soul-searching, and his reading of Ossian's poem was pleading and wrenchingly beautiful.

Kuhlmann, an American mezzo making her Met debut, was a little hesitant and muddy in the early scenes. By the final act, where most of Charlotte's part lies, we were treated to a radiant and expressive voice, well matched to Shicoff's robust tenor.

Dawn Upshaw was a light and lyrical Sophie, and was delightful in her carefree bouquet scene in Act II. Upshaw has a remarkably rich and clear high voice, and her Forest Bird in *Siegfried* next month should be wondrous.

Between these moments of musical splendor, the action did tend to plod, as did Jean Fournet's careful and measured conducting, but the evening was well worth it for Shicoff's singing alone.



The works of photographers Jan Marie Hernandez and Christopher J. Andrews will be featured in the Wiesner Student Art Gallery beginning on Monday. The public is invited to a reception Monday evening from 4 to 7 pm. Shown: *Peter Dunn*, by Christopher J. Andrews.

Records from David Byrne, Radiators, Marc Cohen

(Continued from page 10)

guess, but Byrne has thoughtfully included English translations.

Zig-zaggin' Through Ghostland (Epic Records) — **The Radiators**. This Louisiana sextet's second album is Little Feat-style Southern rock sparked with Creole spice and flair. "Confidential" is blues worthy of Eric Clapton, and the title track, dedicated to the soldiers of the Vietnam War, is raw and gruff, singer Ed Volker howling

out the lyrics. According to the press release, the album "will appear largely to the upper demo groups," so snap it up now before all the yuppie Lynyrd Skynyrd fans do.

My Foolish Heart (JazzCity Records) — **Marc Cohen**. Cohen's name may not be familiar to most jazz piano aficionados, but it soon will be. He and his trio (Gary Peacock, bass, and Jeff Hirshfield, drums) host guitarist John Abercrombie in a win-

some mélange of both old and contemporary jazz. Cohen's music is impressionistic — he's after tonal images and colors, not concrete structures — and his style is winning and innovative. His interpretations of Ornette Coleman's "When Will the Blues Leave" and Johnny Mandel's poignant "M*A*S*H" are particularly affecting, and his own compositions are every bit as good as the standards.

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- CMOS IC Design
- Analog IC Design
- Radiation-hardened Circuit Design
- Automated IC Circuit Generation

We will be conducting interviews at MIT on March 23, 1989 for individuals applying for positions in the above areas. The ICCAD division of SCS is located in Warren, New Jersey (30 miles west of NYC) and Salt Lake City, Utah, with corporate offices in San Jose, California. An equal opportunity employer. M/F/H/V.

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Silicon Compiler Systems

Tycoon advocates industrial revival

(Continued from page 1)

of the largest auto manufacturers in the world, he continued.

"It's now brains and wits time in America," Perot said. The task of business is to improve American manufacturing capability by managing more intelligently. "We're used to using capital as a bulldozer," he said. "We've got to learn to use it as a scalpel."

In order to be more effective, management must concentrate on producing quality products and treat workers as equals, Perot said. One way of accomplishing both goals is for new managers to "start at the bottom" of an enterprise, rather than moving directly into upper management, he said. The typical management bureaucracy isolates managers in a "briefing box" which divorces management decisions from "the real world," he continued.

Perot also offered the audience some commonsense advice. "Money doesn't buy you happiness," he said in urging students to choose jobs on the basis of

their real interests instead of taking "the highest offer." Similarly, he summarized his labor relations philosophy with the Golden Rule: "Treat others as you'd like to be treated."

During the question period, Perot recounted some of the more colorful highlights of his career, such as the time he organized a team to rescue two of his executives who had been imprisoned during the Iranian revolution. The team pulled off "the largest jailbreak in history" when an Iranian member incited a mob to storm the prison, freeing 13,000 inmates.

Although at one point Perot said he could spend an entire afternoon telling tales of the mistakes he's made, the only example he mentioned when a student asked him about the lessons he'd learned from failure was a gripe about the time he sold his company, Electronic Data Systems, to General Motors. "My greatest mistake was believing that GM would honor their written con-

tract," he said.

According to *Fortune*, Perot and GM have offered conflicting versions of the reasons for their disagreement. Perot claimed that he threatened to complain publicly if GM executives gave themselves bonuses in a year of poor earnings, while GM sources said Perot refused to allow a GM audit of EDS and bristled at GM's failure to sign fixed-price contracts with its subsidiary. The dispute came to a head two years after the sale of EDS, when Perot resigned from GM's board of directors, leaving with \$750 million for his GM stock.

The lecture ended on a combative note when student activist Daniel J. Glenn G accused Perot of involvement in a number of covert activities such as funding the Nicaraguan contras and recommending the 1984 mining of Managua harbor. After hearing Glenn out, Perot calmly rebutted his charges, denying several of them and qualifying others.

Perot defended his readiness to help ransom a CIA chief held hostage in Beirut, saying "it's just a matter of doing what's right." When Glenn pressed him about his efforts to rescue prisoners of war in Laos and Cambodia, Perot replied, "If I were over there, I certainly hope someone would come to get me out."



CHRISTOPHER J. ANDREWS P H O T O G R A P H S

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Answers to Cryptic Crossword #2

Across

4. JAMBOREE
8. MEAN TO
9. IMMOLATE
10. VOLITION
11. RARITY
12. DEMEANOR
13. EMANATES
16. WATERLOO
19. LUSTROUS
21. CENTER
23. THIEVERY
24. MARIACHI
25. FINISH
26. BOB DYLAN

Explanations

- Anagram: AMBER + JOE
Double meaning
Anagram: TEAM + LIMO
Rebus: VOL + IT + ION
Anagram: I + TARRY
Containment: "Provide me an order. . ."
Anagram: TEASE + MAN
Anagram: WOO + LATER
Containment: "Tell us trousers. . ."
Double meaning
Rebus: THE + I + VERY
Rebus: M + ARIA + CHI
Insertion: F(IN)ISH
Anagram: BONY + BALD

Down

1. RECOVER
2. INDIGENCE
3. LOTION
4. JOINT RESOLUTION
5. MEMORIAL
6. OILER
7. ENTITLE
14. APPROVING
15. CLERICAL
17. AGES AGO
18. SUNRISE
20. SPIFFY
22. TRIAD

Explanations

- Insertion: R(EC)OVER
Anagram: ENGINE + DCI
Insertion: LO(TI)ON
Double Meaning
Rebus/Insertion: ME + MOR(I)AL
Homophone for "Euler"
Containment: "accent it less. . ."
Rebus: AP + PROVING
Anagram: CALL + ERIC
Anagram: AGA + GOES
Anagram: RUIN + SSE
Insertion: SP(IFFY)
Homophone for "try ad"

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Antico/Strehle elected new UAP/VP

(Continued from page 1)

the freshman year that are currently being debated by the faculty, Antico said that he would support the position which is preferred by most students. Antico also said he needs more input from students before adopting a position on the alcohol policy. He added that there are several constraining regulations by MIT that should be revised.

One of Antico's promises during the campaign was to pay more attention to the concerns of the students. He said he will strengthen the ties between the UA and the undergraduate student body by increasing the number of UA meetings in dormitories and by organizing these meetings in different places, so that the UA will not be dominated by a "West Campus clique."

Antico also hoped to make undergraduates more aware of what is going on at MIT. He plans to expand the UA's endowment via fundraising for MIT, opening more tables in Lobby 10, and creating more "vending points" throughout the campus. Antico said his goal is to create a firm groundwork for a healthy financial situation and his objective is to stress continuity, realism and pragmatism.

Both Contreiras and Braff believed that their influence over the UA in the coming year would be limited. Both agreed that outside of the UAP and UAVP positions, there was little room to implement their campaign ideas. Braff said, however, that he will advocate that pass/no-credit grading remain as an option for second-term freshmen. Contreiras said that such ideas as having the Course Evaluation Guide review all subjects are "doable," and could be pursued if

the UAP chose to do so.

Antico said that this year's smaller turnout was, in part, a consequence of organizational difficulties within the election commission. He also blamed *The Tech* for not endorsing any UAP/UAVP ticket.

Contreiras said that last year had been one of exceptional participation, with a record of 41 percent turnout. The trend at MIT is nevertheless much lower, usually in the 30-35 percent range, she added. MIT is above average in participation compared to other colleges, where voting turnouts are 15 percent or lower, Contreiras said. Braff believed that the low turnout was a "sad comment on the UA" and that voter turnout was much lower than it should be.

The candidates outlined some changes that they would like to see in future elections. Contreiras wanted all offices to be open to elections and thought that emphasis should be given to issues rather than to images. She thought that the MIT community

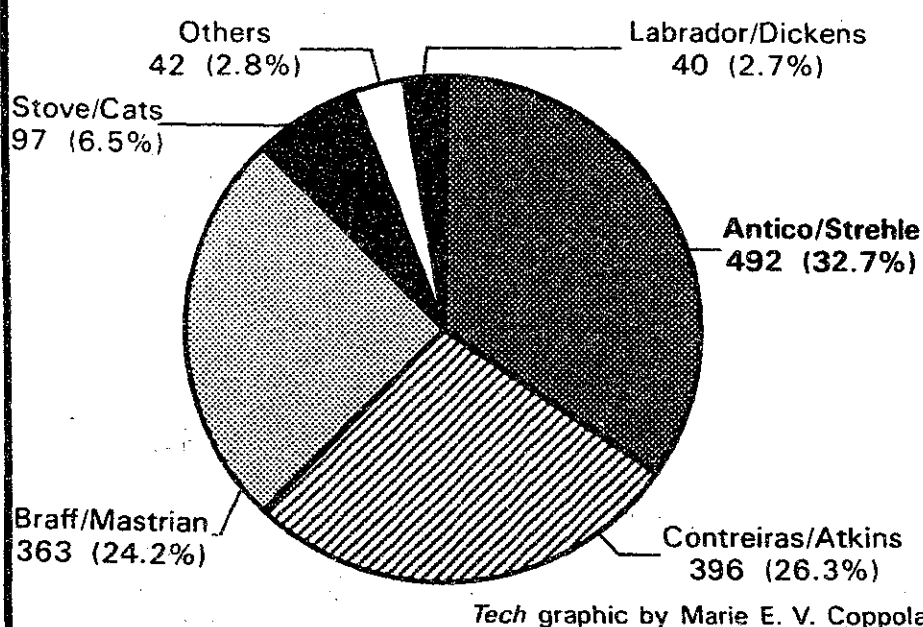
would be better served if the advertisement period was more "civilized." In particular, Contreiras called for more debates and forums, so that candidates could better expose their ideas.

Antico held a similar position to that of Contreiras, for he believed that forums and televised debates were "excellent" ideas.

Braff said he would like to see a more active election commission, so that student participation might be higher. He also objected to the UA's "obscure" bureaucracy, which he said hinders the participation of "outsiders" in the elections. Braff also advocated a simplification in the entrance requirements for UA candidates.

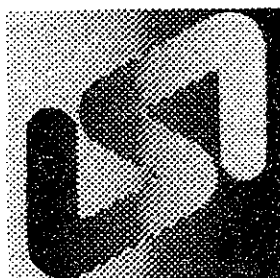
Both Contreiras and Braff expressed their distaste for the excessive electoral postering around MIT. Contreiras said that too much postering does not lead to a campaign of ideas. Braff remarked that the effort put into postering did not yield a sufficient turnout.

UAP/VP First Round Election Results



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Students Interested in Medicine

A meeting on the "Application Process" will be held for students applying to medical school this year:

**Tuesday
March 21, 1989
10:00 a.m.
Room 13-5101**

For more information, call x3-4737 or stop by the Office of Career Services in 12-185.

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Prof. Dorice J. G. Wright
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It's the cracked ones that let the light into the world.



FILMMAKER SPEAKS

Friday, March 17, at 2:30pm
Bartos Theatre, E15, Ground Floor

Filmmaker Chris Shaw speaks on the agony and ecstasy involved in the production of his first feature film, *SPLIT*, which will be opening at the Coolidge Corner Theatre on March 24. Sponsored by MIT Film/Video and the MIT Special Effects Club.

Faculty debate pass/no-credit grading and integrated course

(Continued from page 1)

ences, Lippard said. "It would be a good course, but it wouldn't be the same course." Lippard said 5.11 provides an adequate background for a chemistry subject.

Lippard said he was speaking for Chemistry Department Head Mark S. Wrighton (who has taught 5.11 in the past), and added that he had spoken with no member of his department who agreed with the plan. But Professor Robert J. Silbey, who also taught 5.11, is a member of the team planning the integrated course.

Professor Boris Magasanik of the Department of Biology said that several members of his department were opposed to the plan, and that other options should be available to students who have a better background in biology. "I think teaching of a subject should not be a committee matter," he added.

Professor Vernon Ingram, who is working on the integrated course and currently teaches General Biology (7.01), said he was "not quite so sure of success" as his colleagues were. He urged the approval of the integrated course, noting that his original study was in the field of organic chemistry.

Provost John M. Deutch '61, who is also a chemistry professor, said the integrated "tripartite" experiment should be tried only if there is a second experiment with separate chemistry and biology subjects. This plan "could make more sense," Deutch said. Also, Deutch expressed concern about the "resource allocations" involved in the integrated subject.

The CUP also introduced a motion to eliminate the second semester of freshman pass/no-credit grading and allow one credit/no-credit subject to be

taken each semester after the first. Professor Anthony P. French said that, while the motion did not have the unanimous support of the CUP, it was backed by the majority of the members.

The plan was attacked from both sides at the meeting. Professor William T. Peake '51 said "pass/fail is a disservice to the students." He said "some students are fooled by pass/fail," and that it was an "insult" to the outside world to keep grades confidential. Some students "see no difference between one set of P's and another set of P's," he said.

Professor John L. Wyatt Jr. '68 criticized allowing a D to count as a passing grade in the first semester of the freshman year. Allowing students to continue with a D in a prerequisite is like letting them "onto the field of battle without a weapon."

But Associate Provost S. Jay Keyser said he did not think the debate was really about pass/no-credit. Rather, it was an issue of whether students were children or adults. Keyser also saw the issue as one of pace and pressure, and said it was premature to change the grading system in order to solve a perceived problem.

Both CUP motions will be discussed and voted on next month.

The faculty also approved changes recommended in the wake of the closing of the Department of Applied Biological Sciences last January. The changes require a committee to be convened prior to departmental reorganizations, and that tenure not be terminated by the closing of a department, unless there are dire financial conditions at the Institute. Some changes to the *Rules of the Faculty* will be approved next month.

CONTINUOUS NEWS SERVICE TO THE MIT COMMUNITY



Tech Catholic Community Holy Week Services

Palm Sunday

Sat. March 18

5 pm

Sun. March 19

10 am 5 pm



Holy Thursday

March 23

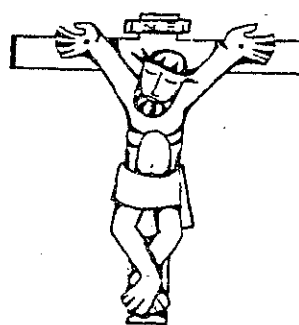
7 pm



Good Friday

March 24

3 pm



Easter Vigil

Sat. March 25

8 pm

Easter Sunday

March 26

10 am



MIT Chapel

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Bright Future

Little more than three years old, QUALCOMM is already a leader in the design of State-of-the-art Digital Communications Systems. The company consists of over 220 people and has a broad base of projects. The rapidly growing backlog of business will ensure stable employment opportunities for years to come—a rarity in a new start-up. We are looking for talented, intelligent individuals. Opportunities include:

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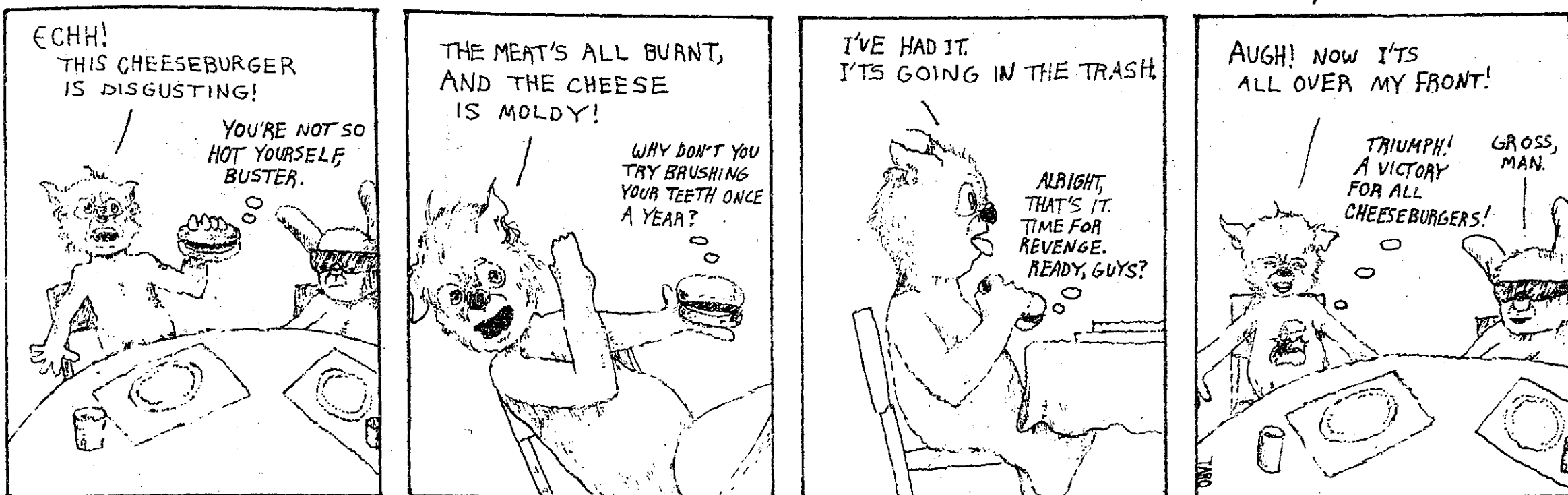
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By Taro Ohkawa



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Apartment for Rent

North Cambridge — first floor. Living room, dining room, kitchen. 1 1/2 bedrooms plus bath — close to Davis Square and Alewife. Call 641-1111, Associate Brokers.

Apartments for Rent

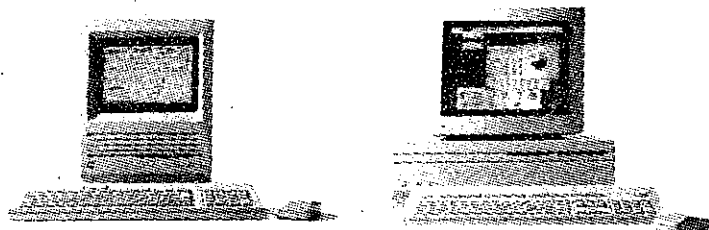
Union Square Somerville. 2 bedrooms, vacant new kitchen and bath — \$825 plus gas, heat. Completely renovated third floor penthouse, 1 bedroom, deck, new appliances — \$695 plus utilities. Garage in Union Square — \$60 monthly. Call 641-1111, Associated Brokers.

Japanese translator needed for correspondence for Boston seafood export company. Hours flexible, fee negotiable. 617-423-2201 (8-5).

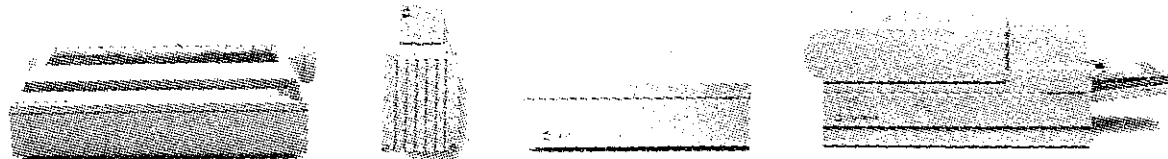
Student Volunteers needed to participate in exciting summer service project in Guatemala July 1-31. Need \$1,500 plus air fare. Sponsored by World Student Service Corps. Call Rita or Herbert at 266-3630.



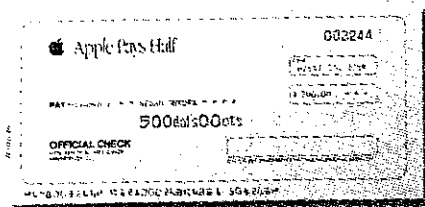
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MIT Microcomputer Center
Stratton Student Center, W20-021
Weekdays 10am - 4:30pm, X3-7686

sports

Grierson wins two at nationals

By Michael J. Garrison
and Harold A. Stern

MIT swimmer Yvonne Grierson '90 won both the 100-yard freestyle and the 100-yard butterfly at the NCAA Division III national championship meet, leading the Engineer women to a best-ever 16th-place finish.

Grierson was the second highest individual point scorer at the championship, held last week at the University of Notre Dame in South Bend, IN. Swimmers from approximately 85 schools were invited to the meet.

Grierson earned all-American honors in four events — the 100-yard freestyle, the 100-yard butterfly, the 50-yard freestyle, and



Kristine AuYeung/The Tech
Yvonne Grierson '90

the 200-yard medley relay (swimming the butterfly leg). The other relay team members — Jennifer Chan '92 (backstroke), Tina Grosskopf '92 (breaststroke), and Angie Polen '90 (freestyle) — also earned all-American honors for their efforts.

Grierson set Institute records of 52.40 in the 100-yard freestyle and 24.52 in the 50-yard freestyle, in which she finished fourth. She swam 56.5 in the 100-yard butterfly, just missing her own Division III national record of 56.18, set in last year's Nationals at Emory College in Atlanta.

"I was pretty confident that I would win the 100 fly again," Grierson said. But she was surprised to win the 100-yard freestyle because it is "hard to compete in two different strokes," she explained.

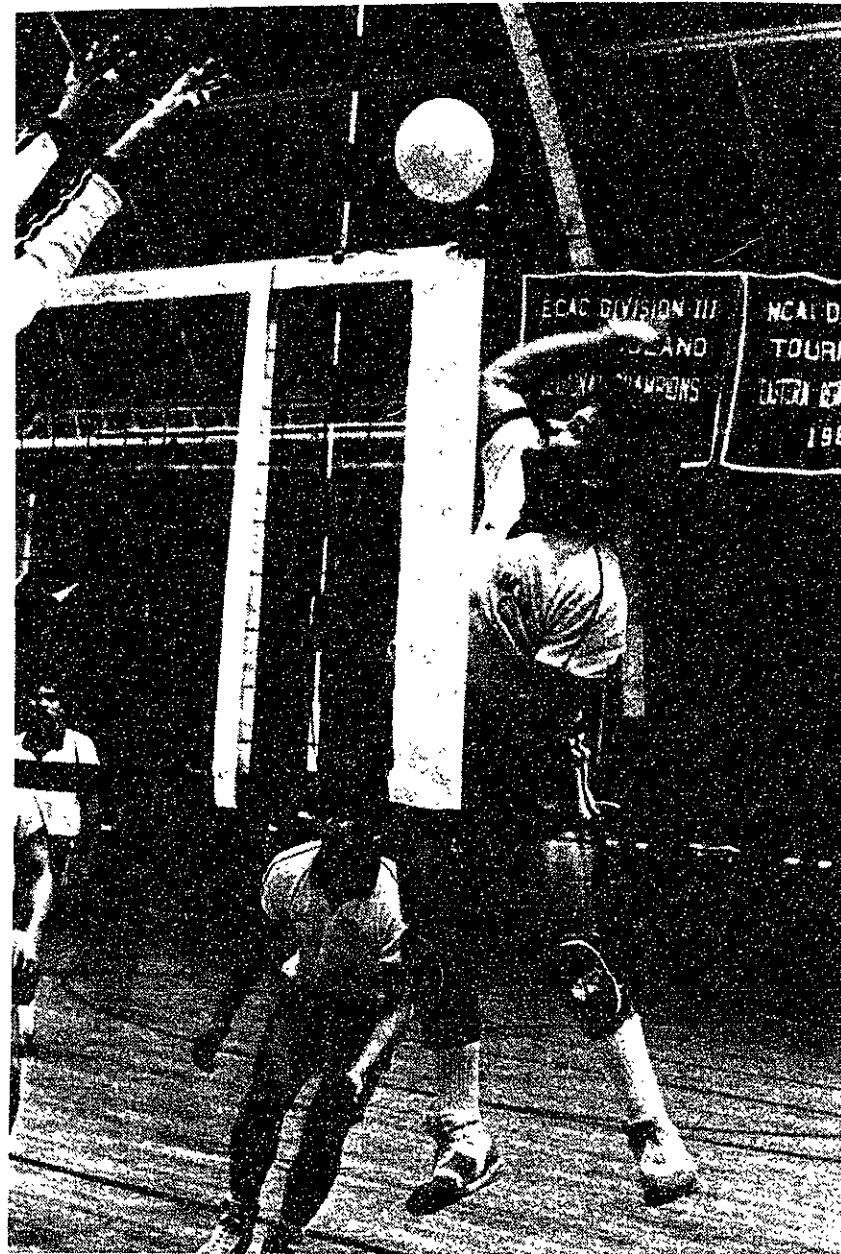
The 200-yard medley relay team finished eighth while setting a new school record of 1:53.96. The swimmers also competed in the 400-yard medley relay and the 400-yard freestyle relay, but did not place.

Grierson, who has been swimming 14 years, holds MIT's first and only national record in swimming. She has been a past winner of the Betsy Schumacker Award, presented to MIT's outstanding undergraduate woman athlete.

The meet ended this year's women's swimming season.



MIT swimmer and nationals champion Yvonne Grierson '90 (first lane).



Mark S. Abinante/The Tech
Eyes firmly set on the ball, co-captain Edwin Marin '89 prepares to spike against Harvard.



Mark S. Abinante/The Tech
Allen Downey '89 watches Edwin Marin '89 send the ball over the net. MIT defeated Harvard in a close match, 3-2.



Sarah Krishnaswamy/The Tech
The Sloan School skates against the "Habs" in the A-league hockey finals Tuesday, winning 2-1.

AWARDS NOMINATIONS

Stewart Awards

Given to students in recognition of a single outstanding contribution to a particular activity or event.

Billard Award

Presented to an Institute employee for a special service of outstanding merit performed for the Institute.

Laya & Jerome B. Wiesner Awards
Provides awards to students, organizations, living groups or activities in the creative arts and in the performing arts.

Irwin Sizer Award

Presented to a member or group in the Institute to honor significant innovations and improvement to MIT education.

Compton Awards

The Karl Taylor Compton Awards are the highest awards given to students. The emphasis is on lasting or sustained contributions to the MIT Community.

Murphy Award

Presented to an employee whose spirit and loyalty exemplify an immeasurable contribution to community life at MIT.

Goodwin Medal

Presented to a graduate student whose performance of teaching duties is conspicuously effective over and above ordinary excellence.

Louis Sudler Prize in the Arts

Presented to a senior who has demonstrated excellence or proficiency in the arts.

Albert G. Hill Prize

Awarded to junior or senior minority students who have maintained high academic standards and made continued contributions to the improvement of the quality of life for minorities at MIT.

Laya W. Wiesner Award

Presented to an undergraduate woman student who has enhanced MIT Community life.

Edward L. Horton Fellowship

Presented to a student group that fosters fellowship within the graduate student community.

*Did you nominate someone
to receive an award?*

Send nominations to the Awards Committee, Room W20-549

Deadline Date: March 31