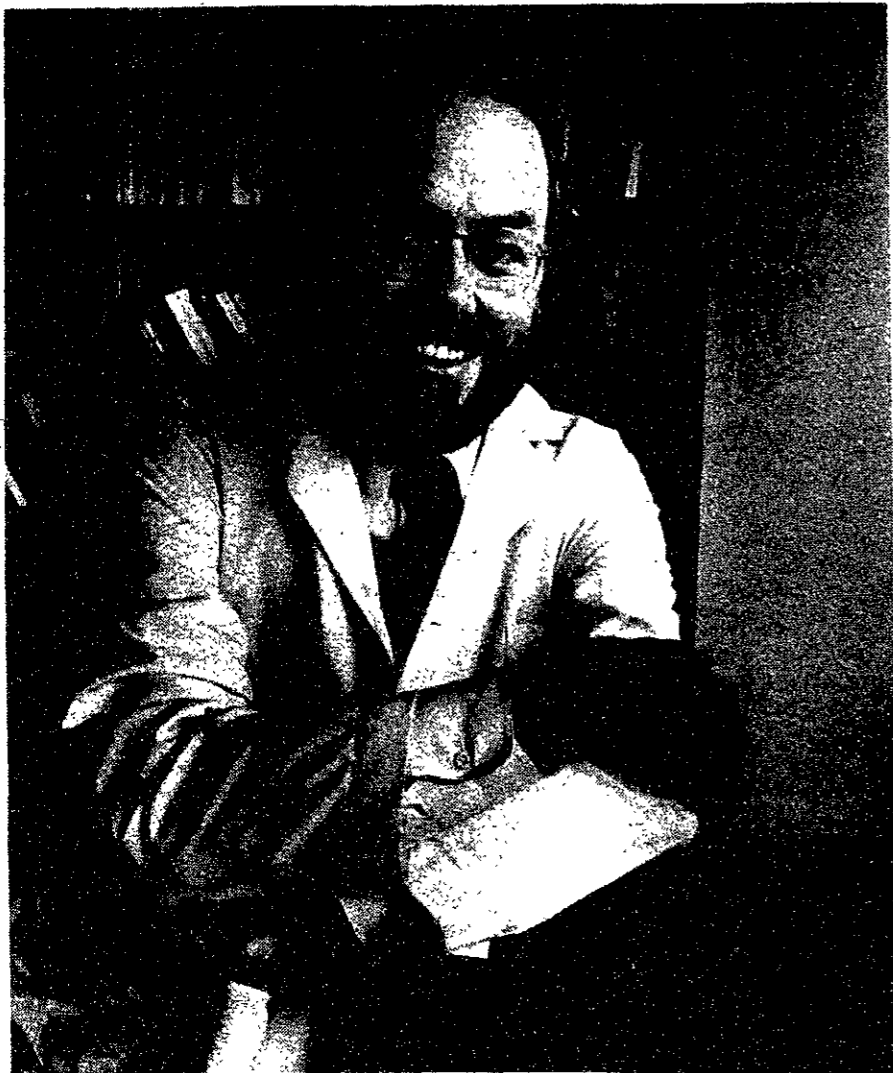


Sharp nominated to be next president



Phillip A. Sharp

photo courtesy of Donna Coveney/Tech Talk

By Reuven M. Lerner

Phillip A. Sharp, professor of biology and director of MIT's Center for Cancer Research, has been nominated for the office of president by the MIT Corporation's Executive Committee.

Corporation members will meet on March 2 to vote on Sharp's nomination. If the selection is approved, the biologist will become the 15th president of MIT on July 1, replacing President Paul E. Gray '54. Gray is replacing David S. Saxon '41, the current chairman of the Corporation.

The announcement was first made public in a letter sent on Wednesday to all faculty members by Faculty Chair Henry D. Jacoby. While Jacoby's letter noted that "it is the vote of the members of the Corporation as a whole that determines who will be our next president," the March 2 vote is widely expected to be a formality.

Sharp made his own announcement to members of the cancer center at 11:45 am on Wednesday, according to several of his colleagues. He declined to comment on his nomination until af-

ter the Corporation vote.

The Executive Committee nominated Sharp upon the recommendation of the Corporation and faculty presidential search committees, which have been working together since April 1989 to find Gray's successor.

Rumors prompted early announcement

Sharp was the first presidential nominee in many years to be named before an official Corporation vote. This was mostly attributed to widespread rumors

(Please turn to page 11)

MIT celebrates black history

By Joanna Stone

February is Black History Month, and in celebration, the Institute is holding a series of weekly events to highlight the achievements of black people throughout history.

Dating to the early 1900s, Black History Month is celebrated nationwide and is officially recognized. The idea behind the month originated with Carter G. Wilson, one of the first black historians, who saw the celebration

as a way to increase understanding of and appreciation for black history.

MIT has celebrated Black History Month for well over a decade and this year's program features more events than have been featured in previous years, according to Associate Dean of the Graduate School Isaac M. Colbert.

"We've increased the number of events and expanded their variety," said Colbert, who has

overseen Black History Month at MIT for 13 years.

Low non-black participation

"In all that time I've been here," Colbert said, "there is one thing about Black History Month that has not changed, however, and that is the involvement of the majority community."

Colbert felt non-minority students, visibly absent from Black History Month events, are missing out on a potentially enriching experience. "When the majority community sponsors an event, such as a well-known speaker from the majority community, it is thought only natural that minority members partake and participate. Unfortunately the reverse is untrue," he said.

Gene B. Robbins '90, co-chair of the Black Students Union, also expressed concern over the lack of non-black turnout. "We've had a great turnout among the black community. But, for the most part, the non-black turnout has been extremely slight," he noted.

"The problem may be due to simple misunderstanding, Robbins said. "They see the word 'black' in Black History Month

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Expert warns of problems in nuclear complex

By Neil J. Ross

Richard A. Meserve, an expert on nuclear reactor safety, warned in Tuesday's Jerome A. Wiesner lecture of significant safety problems associated with the nation's nuclear weapons facilities.

He cited a recent National Academy of Sciences report which found that there were dangerous bursts of radiation produced indoors on six occasions between 1958 and 1964 and once in 1978; that significant quantities of plutonium were found "downstream" from air filters at the Hanford Nuclear Weapons Plant in Washington state; and that it was likely that plutonium had been released into the air.

The facilities are all old, he said, having been designed in the late 1950s and early 1960s. In those years, the notions of earthquake- and hurricane-proofing were not recognized as necessary, Meserve noted.

The nuclear weapons production system is not fully operational at present, due to a halt called by Energy Secretary James D. Watkins in response to safety and management concerns.

Environmental damage cited

The US countryside has been extensively contaminated as a result of the nuclear establishment, with about 3200 sites affected by radioactive and chemical waste, Meserve asserted. He said that a modest estimate of the cost of cleaning up would be over \$130 billion, and that some sites might never be totally clean.

Meserve warned against allowing facilities managers become complacent simply because no major accident, like the Soviet Union's Chernobyl disaster, has occurred in this country. He condemned what he said was the "brinkmanship" with which some establishments have been run.

The DOE's role as an overseer of a large sub-contracted workforce for nuclear facilities was also brought up in the discussion. Provost John M. Deutch '61, speaking after Meserve's lecture, urged more responsibility be put on the contractors. Meserve maintained that a careful distinction must still be made between the DOE and the contracted staff.

Westinghouse Corp. was recently awarded only \$3.9 million of a possible \$7.5 million incentive payment after nine months of managing the Savannah River Plant because of staff discipline problems.

Self-regulation for DOE

The DOE acts as its own safety regulatory body, with the management of nuclear weapons facilities being divided into two sections — one group dealing with

the defense programs directly, and the other, smaller group concerning itself with environmental safety and health.

Meserve said the environmental and safety group — a regulatory branch — has been understaffed in the past and that it has been seen by some contractors as interfering.

He remarked that the nuclear industry was having difficulty attracting enough staff to run the facilities, and ceded that this might be due in part to the bad press which nuclear facilities have had, as well as the security clearance which employees must have.

Studio renovations complete

By Mauricio Roman

After a month of work, the student-led renovation of the third floor of Building N52 was completed on schedule last week. Four architectural design studios are now housed in the renovated space, along with a lounge and two exhibition rooms.

Two architecture students, Albert F. Vallecillo G and Daniel B. Johnson G, were the project coordinators. They supervised a crew of more than 30 students and coordinated the work of sub-contractors who laid down new floors and did electrical work.

The renovation also included the removal of walls, painting, and the installation of posterboards for "pin-ups" and reviews. The architecture department paid for labor costs, and MIT paid for materials and sub-contractors ("everything else"), according to Professor William L. Porter PhD '69, chair of the department.

The master plan for the renovation was chosen from student designs by a joint faculty-student committee. "The plan came from Chris Falliers [G]," Vallecillo said, "but a lot of the people who were doing the work actually designed the details."

Keeping the integrity of the project together while at the same time allowing dozens of people the freedom to try out

new ideas was an interesting process, Vallecillo added.

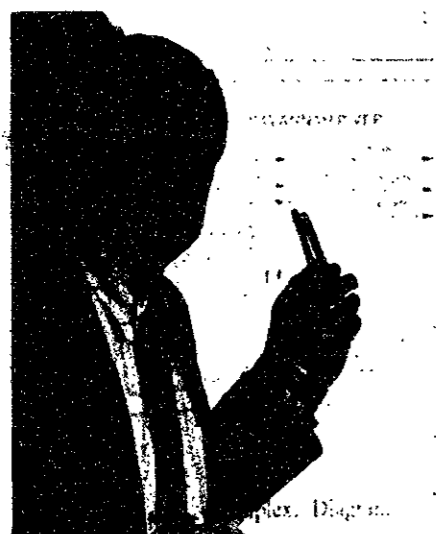
Renovation worker Mark S. Daley G confirmed that "there was a spirit of cooperation, not only among students but also shared by the subcontractors."

"The transformed space is friendlier not only because of its openness but because there is now a stronger sense of community," said Roy C. Robinson G,

who has been working in N52's third floor since September. "There is a better attitude because students were given an opportunity to contribute to making the space their own," he added.

The conditions before the renovation were very poor, according to Daley. "Some rooms were

(Please turn to page 19)



Douglas Keller/The Tech
Richard A. Meserve

Meserve, an attorney and physicist, served as chairman of the NAS panel on reactor safety which issued that report. He had previously chaired an NAS committee that assessed technical and safety issues at Department of Energy reactors, and was White House legal counsel in the Office of Science, Technology and Policy between 1977 and 1981.

The "nuclear weapons complex," the subject of Meserve's talk, consists of 17 facilities in 12 states. Of the three categories of facilities — national laboratories, materials production facilities, and weapons production facilities — it is the materials laboratories which give rise to the most concern, according to Meserve.



Mauricio Roman/The Tech

The Chris Lyons Memorial Exhibition Room in Building N52.

An interview with MIT Provost John M. Deutch

Interview

By Brian Rosenberg

John M. Deutch '61 announced in January that he would resign as MIT's provost effective June 30. In an interview on Feb. 12, Deutch looked back over his tenure as provost and forward into his future and the future of MIT. Deutch agreed to this interview with the restriction that the MIT presidential search not be discussed.

Q: What do you think was your greatest success during your time as provost?

A: I don't know that I would mark any one thing as my greatest success. I believe that when I became provost, Paul Gray and I spoke about having the Institute pay more attention to undergraduate education, and that the appointment of Jay Keyser as Associate Provost, the establishment of the Dean for Undergraduate Education, the establishment of the Committee on Undergraduate Education, and the development of an entire series of discussions and committees to review undergraduate education, have in my view been a very necessary and productive rebalancing of the attention of MIT. I think most faculty supported that reexamination of undergraduate education, especially in the School of Science and the School of Humanities and Social Science. The School of Engineering was already thinking in terms of the undergraduate curriculum. That, I think, has been the single most important hallmark of the last five years that I've been involved in. I don't mean to suggest that I've done all the work, but putting the provost's priority on it has been very helpful.

Q: Would you say that there's been a single greatest mistake or biggest failure while you were provost?

A: There's a long list of matters that I wish had accomplished differently. There's no question that I regret very much the entire procedure which was followed in the closing of the Department of Applied Biological Sciences. I regret it especially because I think it's quite important for universities to be able to make difficult choices which lead to the restructuring or even elimination of ongoing activities, and the closing of ABS has regrettably made people like a cat sitting on a hot stove — they don't learn not to sit on a hot stove, they learn not to sit on any stove.

There will be a greater reluctance among people, not only here, but at other universities, about examining the base programs they're undertaking. They will be more reluctant to choose when to abandon something to pursue a more productive educational or research opportunity. That's certainly what I would point to as the single greatest disappointment.

Q: If you had to restructure ABS again, what would you change about the way it was handled?

A: I believe that the intellectual reasons for not having ABS be an academic department are quite strong. However, the subject of applied biology is also very important. I think with a greater period of discussion, it would have been possible to have a happy restructuring with essentially the same outcome, without any of the great concern for the process which was followed. I'm generally in agreement with the criticism of what happened. I think it could have been accomplished, indeed we have on occasion accomplished, changes of this kind with a better procedure. For example, while I was provost, the Department of Psychology became the Department of Brain and Cognitive Science, and while I was dean of science, the Department of Meteorology was happily merged into the Department of Earth, Atmospheric, and Planetary Sciences. It is possible to do it properly; it is even possible for me to do it properly.

Q: What do you think was the difference between the successful reorganizations and the reorganization of ABS?

A: I think events moved too rapidly in the case of ABS, the matter rapidly came to a confrontation, and it didn't prove possible to put the genie back in the bottle once it had gotten out. I would like to point out to you that even though there are times when things don't always go right, there are few people who have done anything who haven't done some things badly.

Q: There's been a lot of discussion recently about your involvement with corporations and organizations outside of MIT. Do you see that as having affected any of your decisions or policies as provost?

A: I think it's very important for academics to be involved with industry. It's especially important at a place like MIT; it's part of MIT's charter, which says that one purpose of MIT is to have a constructive influence on commerce. I'm very proud of my involvement with private corporations. I think I make a contribution to those corporations, because it's important for them to have on their boards of directors a person with an academic background. It gives them a different perspective and makes their companies perform better. I think it's indirectly of benefit to MIT, where the business community sees MIT faculty as making a contribution to their efforts, and I personally find it very rewarding because it gives me a perspective I might otherwise

involved in mycotoxin research or SDI?

A: My view on what research the Institute gets involved in is twofold: First, does the research which is sponsored here satisfy the existing rules and policies of MIT? To the best of my knowledge, during my time as provost, there's never been an instance in which we've accepted federally sponsored research which does not meet our explicitly written criteria for public, unclassified, basic research. The second part is, does a faculty member have an interest in the research? As far as I know, there has never been a research grant proposed here which has not been sponsored by a faculty member. Mycotoxin research or basic research on nerve agents has more than just potential weapons applications, it also has medical applications. As long as research is basic and open, meets our rules, has the interest of a faculty member, and has scholarly merit, I see no reason to erect any barrier to it.



Tech file photo

not have had.

In contrast to individuals who question my relationships, I'm of the view that it's entirely appropriate, and I hope that more people at MIT and other universities build these relationships in the future. Rather than being apologetic about it or seeing fault in it, I think it's one of my great strengths, and it's also something I'm quite proud of. I think it's unfortunate that the MIT community has only heard one side of what those relationships bring to the individual, the company, and to this institution. People should understand that we do not live in an isolated world, especially in a modern American research university. In order for us to have appropriate intellectual activities here, close and detailed relationships with a wide range of industries are important. I find it very stimulating and helpful to my understanding of what the world is about. I think it's made me a better provost, not a lesser provost.

Q: Does that same reasoning apply to governmental activities?

A: Governmental activities are even more important. I've been a member of the Defense Science Board for 17 years, but I've also been a member of the Science Advisory Board of the Environmental Protection Agency, which is rarely mentioned in discussions of this kind. I think the relationship of academics to federal advisory committees is even more important than industrial relationships. My personal interests are in the areas of energy and technology, and much less in national defense than is attributed to me. When I finally decided to go to Washington, I elected to enter the Department of Energy, and not to go into the Department of Defense. Although I feel that national security has been important to this country, it is not the only interest that I have pursued in my governmental activities. I think that life has given me the opportunity to participate in federal advisory functions; my counsel was sought, and I think it's important for it to be given. The responsibility of participating in national affairs is as important to me as anything I do.

Q: There's also been a lot of discussion of you as the "War Provost," especially with regard to mycotoxin research and MIT's acceptance of SDI funding.

A: In my mind, all of those comments are based on misinformation, and they're largely nonsense.

Q: Do you think the Institute should be

Q: How do you feel about the Freshman Housing Committee report?

A: I think the FHC report is a very important matter. It goes to my fundamental views about undergraduate education. Undergraduate education consists of three important subjects: First is admissions — the kind of students who come here, their backgrounds, motivations, and mix of talents; the curriculum is second; and the third is the character of undergraduate student life. It's a very important part of the entire educational experience. The question of whether our housing system is the best way to educate at MIT is a very important one, especially given that the demographic profile of our undergraduate student population has changed massively, and given that our housing stock, including both dormitories and ILGs, has remained largely unexamined.

I've noted — I haven't been surprised, but I've noted — the almost universal reluctance of the undergraduate student body to consider any change whatsoever. I think there is a strong case that can be made for a modified system where freshmen live on campus. I believe that undergraduate students at MIT should be more willing to consider that alternative. I must say that the conduct of the undergraduate student body in this debate has been most pleasing to me. The debate has been carried out with enormous courtesy, and it has been carried out with real eloquence. What has not been present is any allowance about the weaknesses of the present system. For example, the image presented by all undergraduates whom I've heard speak about this is that everyone is happy with the outcome of the selection that takes place the first week one is at MIT. But we all know from personal experience that some people are quite hurt in that initial process. It is only one aspect, but it is an important aspect, to recognize that not everyone is treated equally and humanely in a one week residence/orientation period.

While I personally began with the view that freshman housing on campus would be a good thing educationally, my position has shifted. I have heard many of the reasons that have been given in opposition to that, and so my initial support for such a change has not been eliminated, but attenuated. I would hope that in this dialogue, students would also see their views being somewhat modified, that they would see some of the weaknesses of the present system and some the educational and social advantages that might be gained by an

alternative system.

I think this discussion will continue for some time, and that it will not be resolved before the next president comes to office. But what the student body should focus on is that this is a serious matter about the intellectual experience of undergraduates, and that one shouldn't just assume that what exists is best and that alternatives do not have any potential advantages. . . . My friends who comment are not entirely wrong in noting that almost all other leading institutions have residential systems in which freshmen live on campus. It's fine to say that MIT is different, but it's foolish not to ask why they have adopted their systems.

Q: How do you feel that the Institute as a whole has changed while you've been provost?

A: If you asked me to point to matters which have changed, I would say principally a welcome greater attention not only to undergraduate education, but also to undergraduate life. We've also seen an important change in the interests of the School of Engineering, and some of the School of Science and the School of Management, towards issues of manufacturing — in contrast to just technology development — in both the educational and research programs. There's been a welcome change in the importance placed on the arts. We've had a complete rejuvenation of the visual and performing arts at MIT. There's been a noticeable change in the direction and interests of the Sloan School of Management. [It has become more concerned] with different parts of MIT and [with] adopting an important research agenda. All of these are activities which I've seen change the climate of the Institute.

Q: How do you see the Institute's focus and research goals changing as a result of the changing world situation?

A: I think there's no question about the fact that the changing relationship between East and West is going to create massive changes in what is considered important in political, economic, and technological terms. There will be a substantially reduced defense effort, which is certainly something I think is called for given the change in political circumstances. There will probably be a change in the mix of federal research expenditures away from national security sponsorship to the sponsorship of all agencies. Not all of that is for the good, as some other agencies will not be able to defend their budgets or sponsor basic research as well as the Department of Defense, but there will be a considerable change of attention from concerns about national security to concerns about the climate and the environment, and about industrial productivity and competitiveness. I believe there will be a sharp resurgence of concern about energy security and the Third World, especially Latin America. All of these are welcome changes, changes brought about by the collapse of the communist system, not due to pressure by hawks and doves, but rather due to the fact that [communism] is not suitable for the efficient running of a free society.

Q: Do you see those changes affecting MIT significantly?

A: I think they certainly will affect MIT. Individual faculty will begin to seek out areas of research and education which reflect the times, and I think we'll be able to adapt quite rapidly and quite successfully to those changes. There may be some momentary budgetary problems, but they're problems we'll be able to deal with.

Q: Who do you think will become the next provost?

A: I have no way of predicting that, and it will be a matter for the next president.

Q: On what did you base your decision to resign?

A: I've been provost for five years. The president is stepping down, and I think the new president should be in a position to select a provost who will work with that individual.

Q: What do you plan to do in the future?

A: I plan to do teaching and research in physical chemistry and on public policy issues of interest to me.

Q: Do you plan to stay at the Institute?

A: Currently I have no plans to do anything but remain here.

news roundup

from the associated press wire

World

Jetliner crashes in India

An Indian Airlines jetliner, trying to land at an airport in Bangalore, crashed on final approach Wednesday. At least 91 people were killed and 55 survived in the crash of the Airbus 320, authorities said. Airline officials do not know what caused the crash, but an Indian news agency reported that the plane was short of the runway. An airport official in Bombay, where the flight originated, said the jetliner burst into flames when it hit the ground.

Conventional force treaty is still far away

Bush Administration officials said yesterday the United States and Soviet Union are still far away from a treaty on conventional forces in Europe, despite a superpower agreement on reducing troop strength. Officials said the two sides must now agree on how many combat planes will be stationed in Europe, among other things.

Sports

Baseball players reject proposal

The Major League Baseball Players' Association has rejected a contract settlement proposal put forth by the game's commissioner. Fay Vincent had given the proposal to both the union and management this week, and both sides discussed it Wednesday. Players attending the union's strategy session said the proposal wasn't progress, and that it is a change of approach, but not something they would seriously consider.

Rubes

By Leigh Rubin



"Ooops... heh! heh! Pardon me... My mistake."

Nation

Drug summit agreements stress cooperation

President Bush and the leaders of Colombia, Peru, and Bolivia vowed to ally their nations against narcotics in a one-day, heavily-protected summit in Cartagena, Colombia, that produced a series of agreements to escalate the war on drugs.

At a joint news conference, Bush pledged that the US government will strive to cut the demand for cocaine while the leaders of the three Andean nations will take steps to curb production of the drug. At the same news conference, Colombian President Virgilio Barco '43 said it will not be necessary to have the US Navy block drug shipments off his country's coastline.

The four leaders vowed to work together toward "dynamic programs" to fight the flow of drugs to the United States and pledged cooperation to exchange information and intelligence. But, in an apparent foreclosure of the use of US military forces in the region, the agreement asserted that "each country may involve its armed forces in this fight within its own national territory."

In addition, Bush agreed to provide increased equipment and training to the law enforcement agencies and the militaries of the South American nations. The Summit nations also called for a "world conference against illicit drug trafficking in 1991" and the four nations agreed to hold a high-level follow-up to yesterday's session "within six months."

Although the statement broke no new ground, it sounded a strong theme of cooperation. It noted that persuading Andean farmers to turn away from cocaine production to legal crops would have "significant, immediate and long-term economic costs" on Colombia, Peru, and Bolivia. Therefore, Bush promised to work towards an economic aid package from Congress to help offset these losses.

Mine workers' vote could end 11-month strike

Leaders of the United Mine Workers will allow members to vote on a contract by the Pittston Coal Group. Miners in Virginia, West Virginia and Kentucky have been on strike against the company for 11 months. The UMW had previously said it would withhold a rank-and-file vote until a final court ruling was made on \$64 million in fines levied against the union for its strike tactics.

Barry faces eight drug-related counts

After a 14-month FBI investigation, a federal grand jury has indicted Washington, DC, Mayor Marion Barry on three charges of perjury and five counts of cocaine possession yesterday. He was accused of smoking crack cocaine and lying repeatedly to a federal grand jury questioning him about drug use. Barry was arrested in a drug raid last month and has since turned over his control to the city administrator and entered a substance abuse clinic in Florida.

Pilgrim Plant off watch list

Federal officials announced yesterday that the Pilgrim Nuclear Power Plant was among three facilities removed from the Nuclear Regulatory Commission's watch list. The NRC cited safety and operational improvements as the reason the Pilgrim units were removed from the list of facilities that require special oversight. A spokesman for Boston Edison, which owns and operates the Plymouth facility, said they were pleased with the decision.

Pilgrim was taken off line in April 1986 to undergo management and equipment improvements. It remained off line until December 1988 and did not reach 100 percent output until October 1989.

Dukakis releases impounded funds

Gov. Michael S. Dukakis bowed to a strongly-worded court decision yesterday and agreed to release money for the Turning 22 Fund, a fund for severely retarded adults. Judge Ernest Rotenberg ordered Dukakis to release the funds, saying that the state went too far when it froze the already budgeted account.

The state will pay \$1.5 million needed to help about 115 of the most severely retarded people who turned 22 this year, according to human services secretary Philip Johnston. Dukakis originally froze nearly \$3.5 million in the Turning 22 Fund because of the state's worsening budget crunch.

The governor's attorney said the state may appeal the case, depending on how the Supreme Judicial Court rules on a related case having to do with the governor's right to freeze local aid.

Local

School board fires Wilson, faces charges of racism

Dr. Laval Wilson said race cannot be entirely discounted as a factor in his termination as Boston's school superintendent. Wilson was the city's first black school superintendent and had 18 months to go on his current agreement when the school committee voted 7-1 to buy out his contract Tuesday night. Five school board members who were supporters of Wilson walked out of the meeting in protest.

School committee members said it was a matter of style rather than race that prompted the action. Some members said there were shortcomings in his approach to the job that eventually cost Wilson support. A final settlement must be reached before Wilson leaves.

Boy drowns in Merrimack river

Officials in Lawrence, MA, said an eight-year-old boy was pulled unconscious from the Merrimack river Tuesday night. He was underwater for more than an hour and a half before rescuers could find him. But the youngster, identified as Jonathan Ortiz, died at Children's Hospital in Boston shortly after 11 pm. Police said Jonathan was playing with three friends on the bank of the Merrimack river.

Weather

A mixed bag ahead

Friday: Mostly cloudy. 70 percent chance of chance of showers. Breezy. Highs 55-60°F (13-16°C).

Saturday: Snow or rain ends. Highs 35-45°F (2-7°C). Lows 25-35°F (-4-2°C).

Sunday and Monday: Fair. Highs in the 30s. Lows in the teens and 20s.

Forecast from *The Boston Globe*

Compiled by Katherine Shim

noiuɹo

The Tech

Sports

Arts

News

Stop by W20-483
and find out more

TAX INFORMATION WORKSHOP

"everything grad students wanted to know about preparing federal and state taxes but were afraid to ask..."

Topics will include:
withholding, RA and TA earnings, stipends,
fellowships, quarterly estimated taxes, and tax treaties

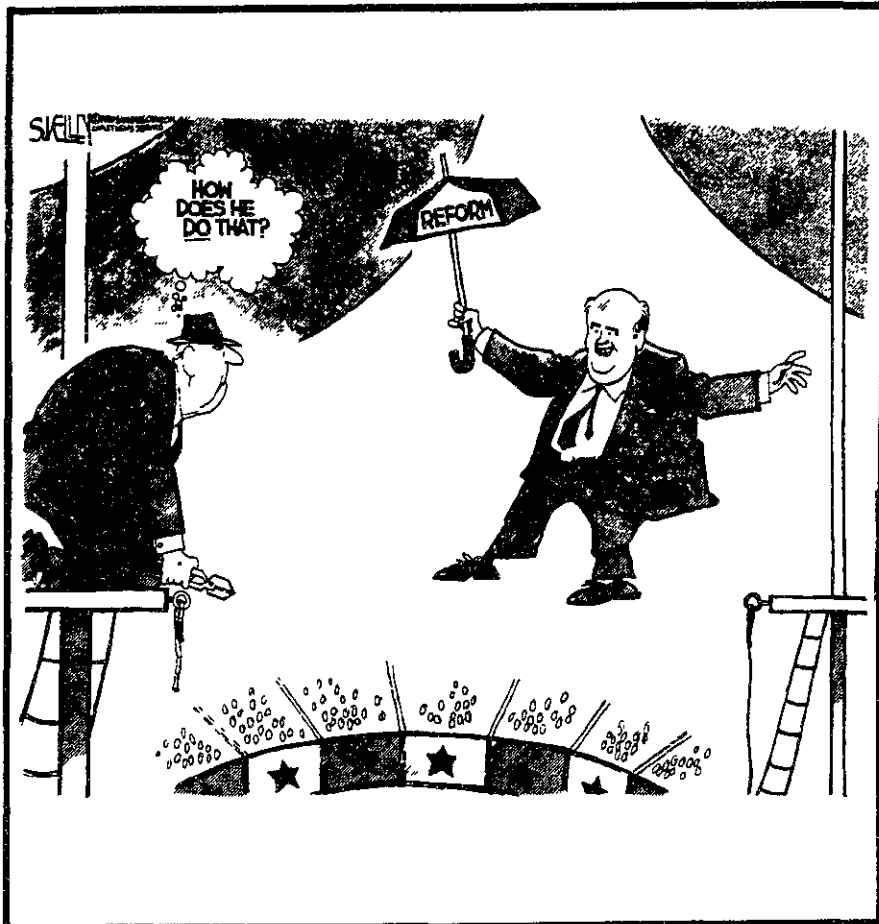
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opinion



Transparent Horizons: Scourge of the east

Column by Bill Jackson

In faith, I do not love thee with thine eyes,
For they in thee a thousand errors note. . .

William Shakespeare

The Berlin Wall. The Soviet Communist Party. The jail term of Nelson Mandela. The presidency of Paul Gray. Many great symbols of oppression are falling all around us. Yet the peoples of the world continue to clamor for change, which is why I write today. During my first semester I lived on the east side of campus. I recently moved to the Far West with the rest of the nomads, and yet in the back of my mind I know that I still have a debt to pay to my former home.

On our eastern side of campus there is a problem, a hideous beast which has plagued the area for years. Over there the natives desperately try to avoid it. They avert their eyes when passing and rarely speak of it. Perhaps west campus and ILG denizens pass it occasionally, on trips to the Coop or the Med Center. But to those who live east of the Dome, it is something they live with every day. It is "Transparent Horizons." Unfortunately, it is neither transparent nor on the horizon.

"Transparent Horizons," for the fortunate uninitiated, is the name of the big black thing at the north end of the parallel between the two sides of East Campus (if that means anything to you). It resembles a Rorschach test come to life and a Picasso lawn ornament rolled into one. It has redefined grotesque for generations of students, faculty, and staff. Ugly people the world over — in hopes of improving their on-camera appearance — make pilgrimages to MIT to have their photo taken next to it.

It is "Transparent Horizons." Unfortunately, it is neither transparent nor on the horizon.

My quest, which I feel is a responsibility, is to relieve the landscape of "Transparent Horizons" permanently. I ask that the administration of the Institute take the necessary steps to eliminate this metal monstrosity. I don't care what you do with it. Crush it. Dismantle it. Nuke it. Ship it off campus if you have to. Just make sure you use Emery, UPS, or Purolator Courier (and pay the bill).

Now, I understand that it is foolish to ask for something in exchange for nothing, so I am willing to make a deal. Here are the terms:

The lucky administrator who claims responsibility for the dismantling of the alleged sculpture, subject to approval by *The Tech's* staff, will be named

MIT administrator of the year by this columnist in an upcoming issue. In addition, the winner will be the subject of a full column in this space, the topic being how wonderful the winning administrator is.

It will include detailed reports on how admired he or she is by the students, faculty, and staff, and will be chock full of quotes, *genuine, usable* quotes, telling the world how effective and universally loved the winning administrator is. *Think* of how good this will look when you're next searching for that next job with a major research university. *Imagine* how this will sound on a resume when you're looking for that next post with a multi-million dollar weapons firm!

It resembles a Rorschach test come to life and a Picasso lawn ornament rolled into one. It has redefined grotesque.

If another administrator displays significant but secondary responsibility for the downfall of the "Metal Monstrosity," he or she will "win" a free dinner for two at Networks.

This is an administration we can deal with. We just have to deal with them on the right level.

So come on, Big Brass. Don't let the person in the next office make this big career move before you do. If you have the power to set in motion the dismantling of TH, act now! It just might be the best career move you ever make.

Bill Jackson is a freshman and new columnist for The Tech who hates these little biographical blurbs just as much as you do.



The Tech

Volume 110, Number 5 Friday, February 16, 1990

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LETTERS TO THE EDITOR

German reunification will prevent future militancy

A joke popular in East Germany during the early 1980s has former leader Erich Honneker returning home to East Berlin from a trip abroad, finding the airport deserted and his driver gone. A self-proclaimed proletarian, he drives himself into town through empty well-lit streets and finds no one home anywhere. Puzzled, he decides to take a walk along the Berlin Wall. After a few steps he discovers a hole in the concrete with a brief note addressed to him: "Come on Erich, you're the last one . . . please turn out the lights!"

In retrospect the joke may prove a prophesy: There are now many holes in the wall, hundreds of thousands of East Germans have left and it may soon be lights out for a battered economy and a state that is quickly losing its socialist *raison d'être*. Talk of reunification abounds and Germany's neighbors in East and West shudder at the thought of a revitalized and potentially aggressive giant in Central Europe. Historical precedents seem too obvious and their lesson strikingly ominous: Was it not a united Germany that plunged the world into war two times in a span of only 25 years?

And yet, the historical parallels are misleading. Germany today is one of the most profoundly non-

militaristic countries anywhere in the world, and the reunification that appears to lie in the near future is likely to be very different from the consolidation that produced Bismarck's united Germany.

That Germany was consolidated by a belligerent Prussian state from *East to West*. Unification came on the wings of military success first with the creation of the North German Union in 1866 following Prussia's victory over Austria and later with the consolidation of the German Reich after victory over France in 1871. Prussia's attitudes and ideas dominated the new state, and its military success lent prestige to iron-fisted problem solving in all spheres of German life.

Tomorrow's reunification could hardly be more different. First and foremost, it will be a unification from *West to East* born on the wings of military defeat, shame, and 45 years of soul-searching. Military power is not, as it once was, the source of unity but the well spring of current division. If East Germany is incorporated into West Germany, it will become free, democratic and peaceful. Today in peacetime, about 20 percent of all West Germans called on for compulsory military service claim conscientious objector status. This percentage is several times

higher than the fraction of young Americans refusing military service in 1971 when the number of conscientious objectors registered by the Selective Service System peaked in the wake of Vietnam era anti-military sentiment.

Another difference between Bismarck's united Germany and the German states on the eve of reunification today is noteworthy: During the last quarter of the 19th century, Germany's population grew rapidly, fueling expansionist fires and lending immediacy to the push for new *Lebensraum* in the east during the Nazi era. Germany grew more quickly than its western neighbor, France. Today the opposite is true. Despite significant immigration, West Germany's population has declined over the past decade. East Germany's population growth has been negative for some time. To the east and west, on the other hand, France and Poland have grown significantly over the last 10 years. "Volk ohne Raum (A Nation without Breathing Room)," a phrase common in Pre-War Germany, sounds hollow today.

Perhaps *All in the Family's* Archie Bunker had it right when he asked how you could "get a decent war off the ground" if no one was willing to fight.

Frank Drees '89

opinion

Sharp nomination reflects increased humanitarian concerns at MIT

Column by Rich Cowan

The New President

MIT's next president, Professor of Biology Phillip A. Sharp, and Provost John M. Deutch, a past frontrunner, are similar in two ways. Both advise the federal government on biological research. And both are white men. That's about it.

Instead of a Defense Science Board expert on chemical and biological warfare, our next president will be an expert on cancer research who is an ethical advisor to the human genome project. People who care about MIT as an educational institution, and who see an untapped potential for science to serve human needs, have cause to celebrate!

It is not yet clear how long the party will last.

Sharp, who serves on only one outside board of directors, was not the favored candidate of the corporate side of MIT. He is a scientific heavyweight but an industrial lightweight. But he was chosen anyway.

He was chosen in part because relations between the governing MIT Corporation and the academic side of MIT were wounded. Deutch — once the favored corporate candidate — helped widen the gash, and then poured salt into it.

Deutch's role in axing Applied Biological Sciences, his press releases supporting the cold fusion hoax, his preoccupation with Pentagon policymaking and corporate consulting, his destructive meddling with humanities programs, and his inaccessibility helped to trigger the academic equivalent of a *coup d'etat* by students and faculty. But Deutch's leadership was only half of the problem.

"We have the feeling that science and engineering need to regain the confidence of the country, and Phil can speak from an unassailable perspective," stated Professor Robert M. Solow, chair of the faculty advisory committee to the presidential search, to the *New York Times*.

In other words, the willingness of the public to accept the corporate side of MIT's mission was wounded.

The power and influence of the corporate side depend on the supposed neutrality of science and technology. Military contractors, electric utilities, and biotechnology firms have hired and used scientists to gain federal approval of new technologies when the public is unwilling to accept the risks or costs. Decisions about nuclear power, military spending, and the use of recombinant DNA technology carry more weight if they are viewed as scientific

judgements, untainted by political influences.

Exposing the myth of political neutrality reduces "the hold upon our lives enjoyed by those whose social power has long been concealed and dignified by seemingly technological agendas," claims former MIT Professor David F. Noble in the preface to his book *Forces of Production*.

MIT President Paul E. Gray's advocacy of more federal funding for compartmentalized technical research favored by the largest companies once carried scientific weight. But congressional hearings last June exposed MIT's bias in technology transfer: The Industrial Liason Program favors multi-national companies over small US firms whose prosperity would reduce the trade deficit.

Similarly, Deutch's political involvement was valuable to the MIT Corporation only when it was hidden from public view. When exposed in the national press, this asset became a liability. Having made a bad investment, and with its corporate ties under continued congressional scrutiny, the Institute decided to cut its losses.

The rejection of Deutch and appointment of Sharp, while still a victory, is also an attempt by the Corporation to save face and restore public confidence in MIT. And they are impressed with his biotechnology connections.

Fox Butterfield, writing in the *New York Times*, linked the choice of Sharp with

"the explosion of interest in biotechnology." As a co-founder and director of Biogen, Sharp owned 325,000 shares of stock in the biotechnology firm — valued yesterday at almost exactly \$5 million. He also received at least \$45,000 in fees that year for serving on the board and as head of Biogen's Scientific Advisory Committee.

Some Corporation members might see in this industrial tie some hope that Sharp can be molded into an instrument which they can wield for their own ends. But I think such members misread the climate at MIT. There exists a growing concern for disclosure of potential conflicts of interest to guard against potential abuses and to promote public trust and participation in policymaking.

The faculty and the students have spoken. They have issued a mandate that the office of the presidency be used for educational ends. The mandate means a reversal of the damage that has already been done. It means restoring the status of toxicology and nutrition programs. It means rebuilding the foreign languages program, and strengthening the Women's Studies and Science, Technology and Society programs.

The mandate means instituting ethnic studies and increasing the number of tenured black and Hispanic faculty members to at least 10 percent, rather than one percent. It means completing, three years late, the follow-up investigation of mili-

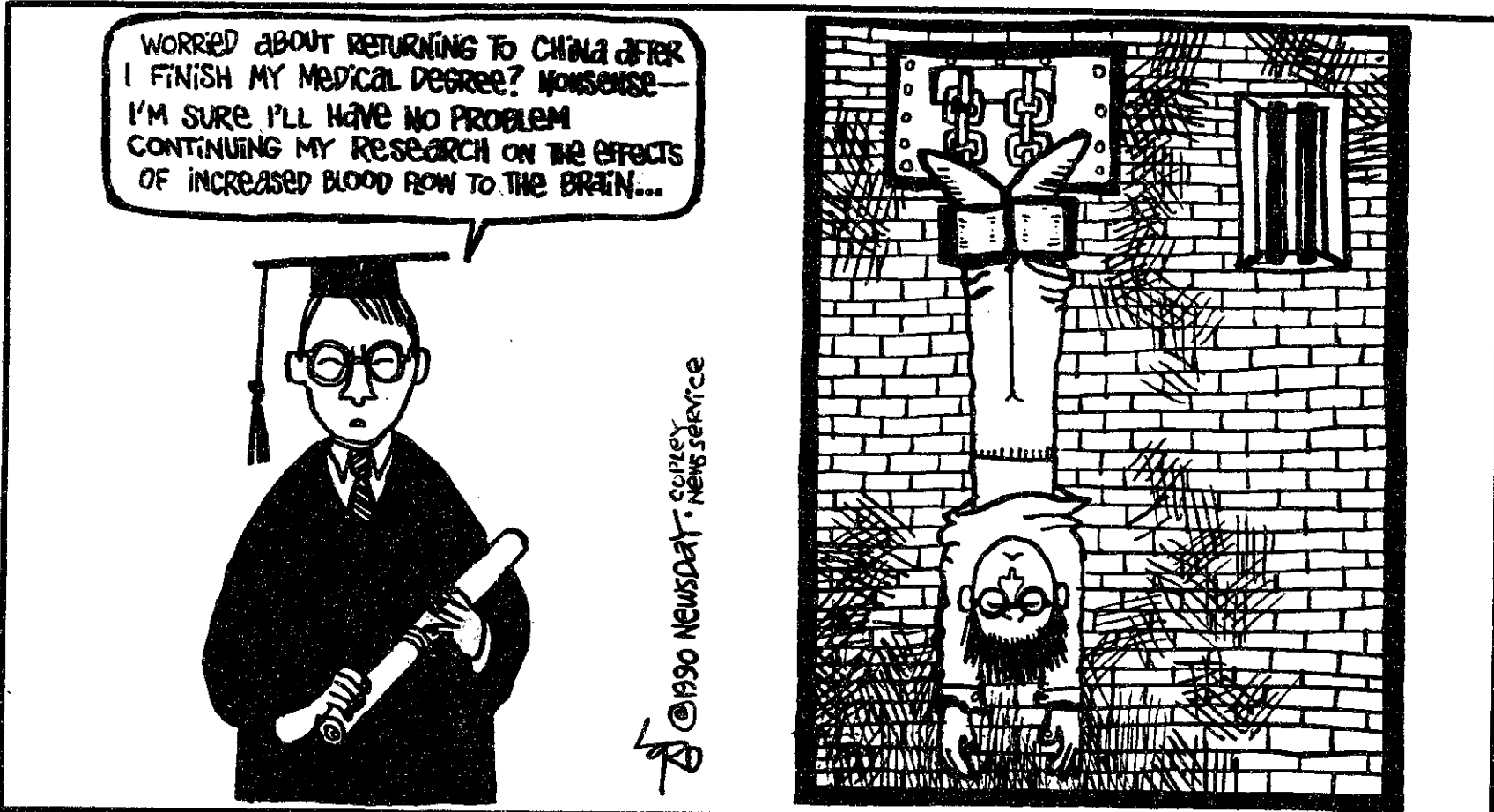
tary research at MIT and releasing the Lincoln Laboratory Advisory Board report which was kept secret from the faculty. It means honestly examining the sexism that is rampant in the Department of Materials Science and Engineering. It means tenuring those faculty members who seek social relevance in their research or are guilty of the crime of good teaching.

Now that Deutch is out and Sharp is in, some members of the community may tune out of Institute affairs. But it would be a mistake to assume that any new president can "take care of" rehumanizing and democratizing MIT. No person alone can redirect institutional momentum.

All the power is still held by the Executive Committee of the MIT Corporation, which will be headed by Gray. President Sharp will have to act within the guidelines they lay down. Only by participating in a local and national movement to expand the people's role in shaping higher education can we make those guidelines more democratic.

If we wish to free science from corporate and military control and unleash the humane potential for technological education, we must remember one thing: The price of liberty is eternal vigilance.

Rich Cowan, who received a SM from MIT in Computer Science in 1987, is northeast organizer for the Washington, DC based National Coalition for Universities in the Public Interest.



With apologies to *Newsweek*, *The Tech* staff proudly presents its first (and last) *Tech* Wisdom (TW) watch. As President Paul E. Gray '54, "a plain-spoken electrical engineering specialist with the build and staying power of a fireplug," moves out of stately 111 Memorial Drive and Phillip A. Sharp prepares to assume the throne, the TW provides a recap of the key candidates in the search for the 15th president.

John Deutch '61
Provost, MIT

Old TW: War Provost perfect to keep funds flowing from the DOD old-boy network.
New TW: End of cold war signals time for a kinder, gentler president.

Lester Thurow
Dean, MIT Sloan School of Management

Old TW: Mediagenic Sloan Dean would boost MIT's profile.
New TW: Moronic statements on fraternities show he's as bad as the rest.

George Shultz PhD '49
Former Secretary of State

Old TW: Tiger tattoo turns off nerds.
New TW: Why was he on the *Globe's* list in the first place?

David Baltimore '61
Director, Whitehead Institute

Old TW: Nobel laureate and Big Ed Whitehead integrated into University-Industrial Complex.
New TW: Dingell damage leads to exile at Rockefeller U.

Sheila Widnall '60
Professor, Department of Aeronautics and Astronautics

Old TW: TW picked Aero-Astro God to be prez in 1988.
New TW: Old fuddy-duddy white males on selection committee would never choose a woman.

Donald Kennedy
President, Stanford University

Old TW: Crimson alum, Cardinal prez. Red scare for hardliners on committee.
New TW: Too many Kennedys in Massachusetts already.

Arno A. Penzias
Head of Research, AT&T Bell Laboratories

Old TW: Bell Labs' Nobel laureate the perfect candidate for the information age.
New TW: What do we need him for, we already replaced dormline.

Frank Press
President, National Academy of Sciences

Old TW: Boring NAS head turned down last time around.
New TW: Nothing's changed.

Dean Eastman
Vice President of Research, IBM

Old TW: Namesake of George, sentimental favorite of the over-80 crowd.
New TW: No relation. Sorry.

Solomon J. Buchsbaum PhD '57
Executive Vice President, AT&T Bell Laboratories

Old TW: Another Bell Labs honcho, but with the vital corporate connections.
New TW: Corporate cold-warrior is Deutch in sheep's clothing.

James F. Gibbons
Dean of Engineering, Stanford University

Old TW: Turned down CMU presidency for MIT.
New TW: Should have accepted the CMU offer.

Phillip A. Sharp
Director, MIT Center for Cancer Research

Old TW: Lasker Award winner does good as Cancer Center head. A favorite of the faculty.
New TW: Faculty finally gets its way.

The Corporation and faculty search committees

Old TW: March 2 announcement allows Friday news break for crack staff at *The Tech*.
New TW: Early announcement preempts *Tech* scoop.



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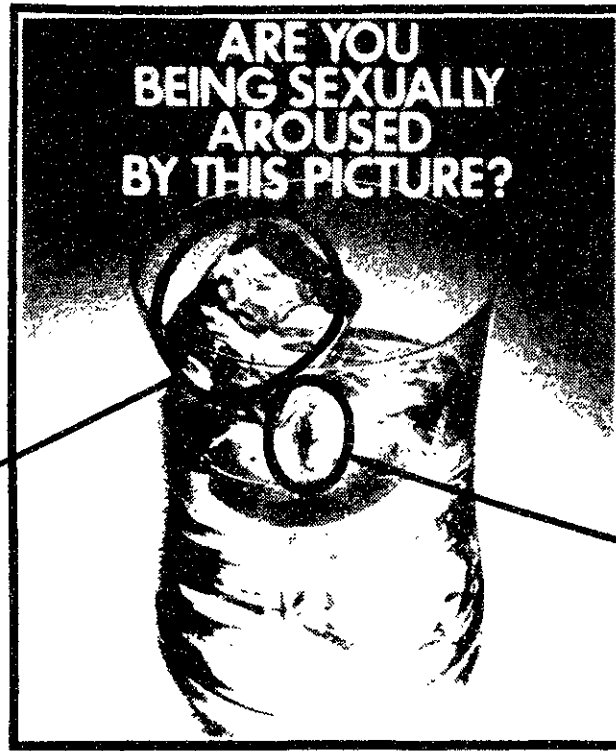
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Cinema Paradiso distinguished by superb acting

CINEMA PARADISO

Written & directed by Giuseppe Tornatore.
Starring Philippe Noiret, Salvatore Cascio,
and Marco Leonardi.
At the Nickelodeon.

By MARIE E. V. COPPOLA
and JIGNA DESAI

IT'S EASY TO SEE WHY director Giuseppe Tornatore's second full-length feature film *Cinema Paradiso* won the Special Jury prize at the Cannes Film Festival, as well as nomination for Best Foreign Film in this year's Academy Awards. The film distinguishes itself with its superb acting and fluid direction.

Cinema Paradiso, set in a rustic, close-knit Italian village in the 1940s and 50s, opens with Salvatore's mother trying to contact him with news of the death of Alfredo (Philippe Noiret), Salvatore's childhood, father-like friend. Upon hearing of his friend's death, Salvatore's mind flies to his youth in the village and his relationship with Alfredo, a projectionist, and the movies they showed together.

Toto, as the young Salvatore is nicknamed, is played with mischievous naiveté by eight-year-old Salvatore Cascio. While the endearing monkey-like antics and energy of the impish Toto frustrate Alfredo, he cannot help but befriend the fatherless boy. Their relationship is based on a mutual love and fascination with films. Together at the Cinema Paradiso, they bring the villagers under one roof to view and experience images of faraway John Wayne westerns, as well as local and familiar ones of a fascist Italy. As the only regular entertainment in the village, the cinema draws the inhabitants together as a community.

The knowledge that Toto gains during his informal apprenticeship is utilized unexpectedly when a tragic fire blinds Alfredo before he can be rescued by his young friend. At the age of 10, Toto becomes the official projectionist of the Cinema Paradiso, fulfilling all the obligations of the position except screening each

film with the village priest to remove all the "pornographic" kissing scenes.

Cinema Paradiso continues with Salvatore's adolescence and first love. His fascination with film further expresses itself as he wanders the village with camera in hand. It is during one of these expeditions that he encounters blue-eyed Elena and is immediately enchanted. The smoldering passion that develops between the sensual Salvatore (Marco Leonardi) and Elena (Agnese Lano), and the wisdom gained from Alfredo, signify the beginnings of Toto's journey into manhood.

But Alfredo realizes that in order for Salvatore to grow and fully reach his potential, Salvatore must leave the village and its humble quaintness. The love between the two climaxes when Toto boards the train for Rome and Alfredo commands him to never return, never look back. Salvatore's education began with exposure to the world through films — to continue developing, he must now enter that world, not simply observe it on the screen.

Upon Salvatore's return to the village 30 years later, *Cinema Paradiso* displays a touch of sentimentality as he journeys through the memories that surround and overwhelm him — memories that he thought he was strong enough to handle. In particular, the gift that Salvatore receives in the final scene brings forth repressed memories in a moment of catharsis that reflects the passion that he and Alfredo shared in their friendship.

The appeal of the three actors who portray Salvatore is inversely proportional to their ages. The youngest, Salvatore "Toto" Cascio, makes his debut as a child captivated by the world of celluloid. Cascio's uncanny ability to immerse himself in the film, manifested by his memorization of his entire audition scene (including director's notes on camera angles, character descriptions, etc.), is all the more striking considering that he had never seen a film, much less acted in one.

The adolescent Salvatore, played by Marco Leonardi, brings a more focused

passion to the screen, still directed toward film but including Elena, his first love, for whom he braves the elements for 100 nights in a vigil outside her window. Leonardi's sexual charisma and intensity evoke memories of one's own torrid early romances.

Jacques Perrin, who plays the oldest Salvatore, is not given a chance to prove himself until the end of the film. It would have been nice to see a transition from Salvatore's village life to his current life in order to gain insight into his development from a boy wielding a camera with an unexperienced eye to a man who creates acclaimed films. It would also have been nice to explore his transformation after his return to the village after 30 years, to fully understand its effect upon him.

Noiret, an internationally known actor, imbues Alfredo with the warmth and tenderness that carry the film. Although an uneducated villager, Alfredo observes the world through the films that pass through his hands, and gains from them the wisdom that urges him to command Toto to

leave his birthplace.

Also noteworthy is the camerawork and the cleverly designed transitions between different time periods and characters. For instance, the transition between the young Toto and the adolescent Salvatore occurs as the blinded Alfredo caresses the child's face: As his hand moves away, the face of the young adult is revealed.

The camera captures the essence of the villagers' lives through vignette-like clips. A particularly memorable one is of a couple who begin their romance with a glance from the balcony to the floor seating in the Cinema Paradiso — we later see them cozily seated together during their courtship, and later again with their squalling child in the theater. At the end they reappear as an elderly couple and silently acknowledge the role that Salvatore played in bringing them together.

Although a touch sentimental, the film captures a deep and passionate friendship while exploring the effect that movies have on our lives. *Cinema Paradiso* deserves the acclaim it has received.



Alfredo (Philippe Noiret) and Toto (Salvatore Cascio) in *Cinema Paradiso*

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Graduate Student Council is seeking two graduate students to represent MIT graduate students at the Governance of the Harvard Cooperative Society (the Coop).

The governance of the Coop includes ten stockholders and twenty-three directors, eleven of whom are students from MIT and Harvard.

Interviews will be conducted on **Tuesday, February 20, 1990 at 7:30pm.** If you are interested in participating in it, please call the GSC office at 253-2195.

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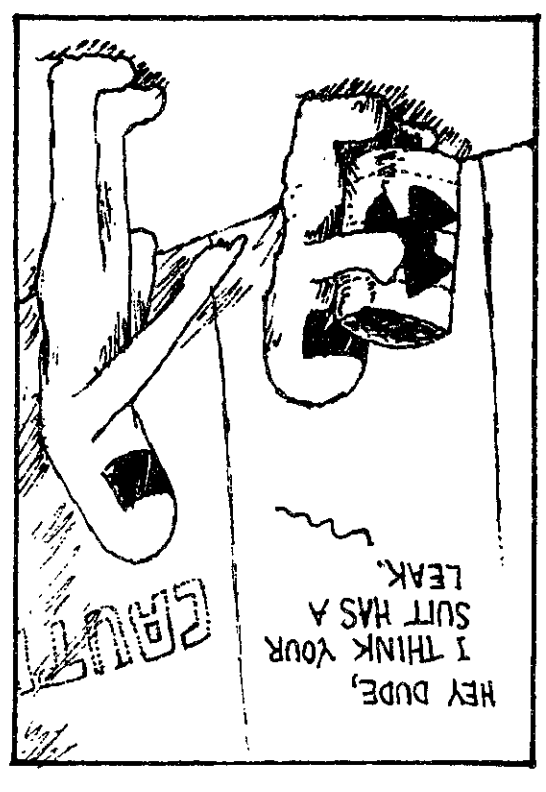
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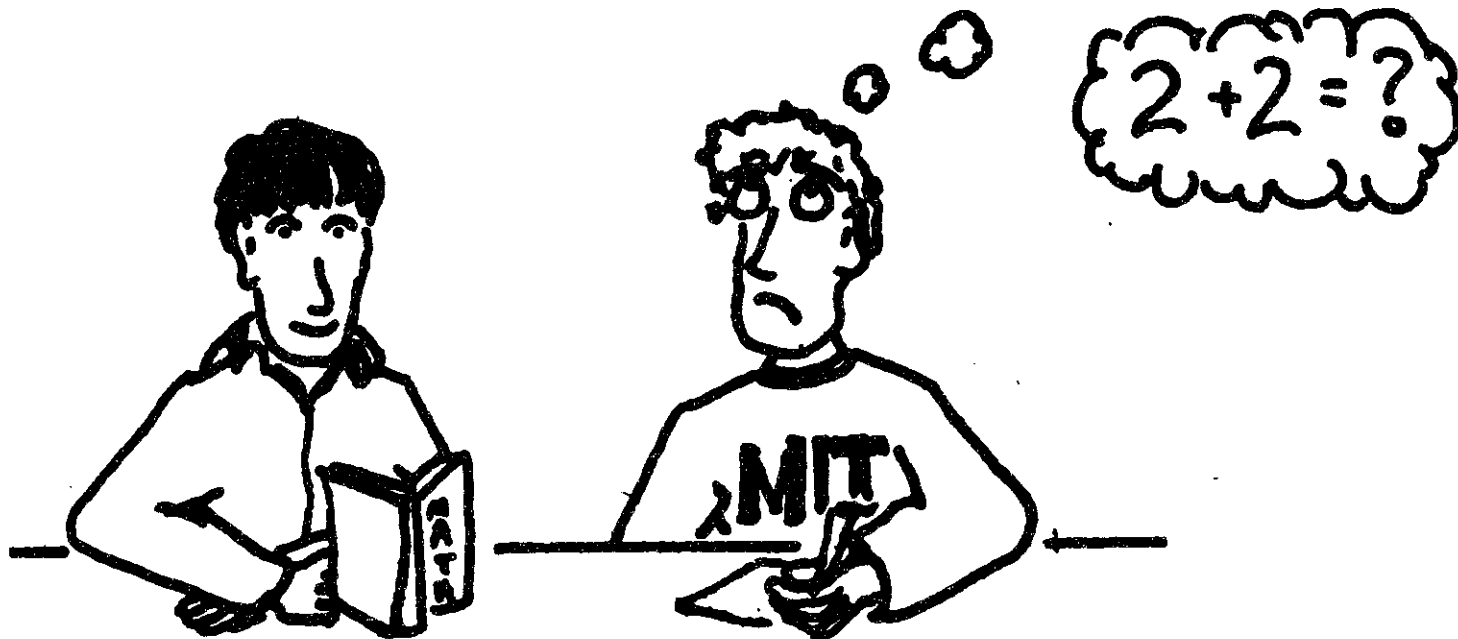
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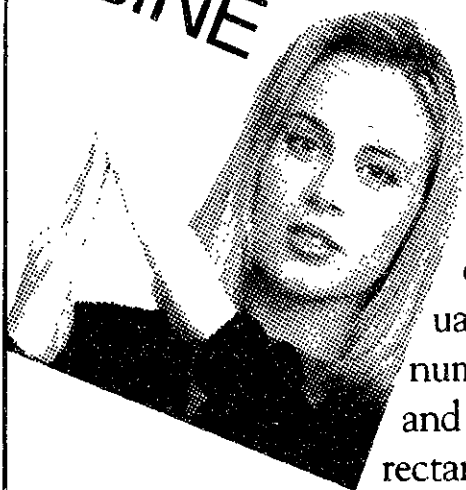
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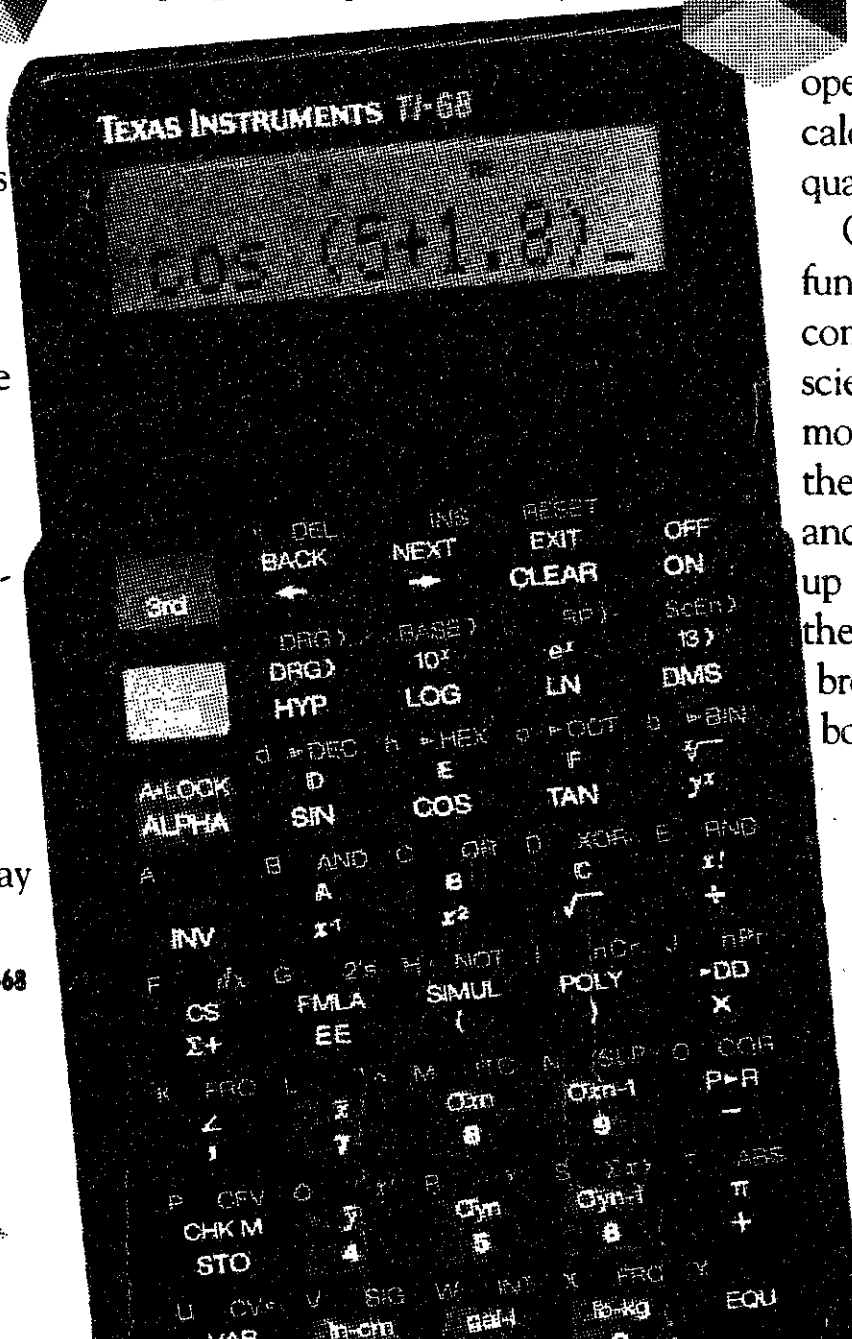
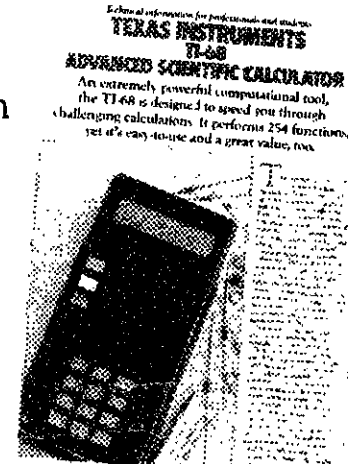
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TEXAS INSTRUMENTS

A timeline of the presidential search process

March 3, 1989: At a meeting of the MIT Corporation, President Paul E. Gray '54 announces that he will resign his position in July 1990 to become chairman of the MIT Corporation. Chairman David S. Saxon '41 announces his retirement at the same meeting. The Corporation forms the Committee on the Presidency to search for Gray's successor.

May 17: The formation of a faculty advisory committee to the Corporation on the presidential search is endorsed at a faculty meeting. Institute Professor Robert M. Solow is chosen to chair the committee, and Professor Phillip A. Sharp is appointed associate chair.

Early fall: Having become a strong presidential candidate himself, Sharp leaves the faculty search committee.

Dec. 20: The faculty advisory committee on the presidential search holds an open forum in room 10-250 to find out what issues the MIT community considers important in the selection of the new president. Many of the people in attendance express dissatisfaction with the selection process, and criticize the lack of student participation.

Jan. 10, 1990: Provost John M. Deutch '61, widely considered to be a leading candidate in MIT's presidential search, withdraws from consideration for the presidency of Johns Hopkins University. He was one of two finalists selected by the Hopkins search committee from 300 applicants.

Jan. 23: Deutch tells the Academic Council that he will not be MIT's next president and that he will step down as provost on June 30.

Feb. 9: The Corporation search committee, with the approval of the faculty search committee, recommends to the Executive Committee of the Corporation that Sharp be nominated to succeed Gray.

Feb. 14: Faculty Chair Henry D. Jacoby sends a letter to members of the faculty notifying them that the Corporation Executive Committee has nominated Sharp.

March 2: The Corporation meets to approve Sharp's nomination. If approved, Sharp will become the 15th president of MIT.

Phillip Sharp to be next president

(Continued from page 1)

that circulated throughout the faculty and administration earlier this week. Dean of Science Gene M. Brown said that "it was becoming well known among administration and faculty [that Sharp] was probably going to be the nominee."

Institute Professor Robert M. Solow, who chaired the faculty search committee, said there was too much time between the Executive Committee nomination and the Corporation vote to delay an announcement until March 2. "It is very hard to keep a thing like this quiet for three weeks," he explained.

Faculty and administrators aware of Sharp's selection refused to confirm or deny the rumors as late as Tuesday. According to sources in the administration, the committees had originally planned to release the nomination information today, but decided otherwise after so many people learned it was Sharp.

Sharp's nomination came as a surprise for many reasons, not least of which was that he had been vice chairman of the faculty search committee until his resignation in the fall. It is not clear whether his candidacy began before or after he left the group.

His name had not been mentioned by any publication until Feb. 3, when *The Boston Globe* spoke of him as a "dark horse" contender.

Praised as both an administrator and a scientist

Sharp has received almost universal acclaim as a molecular biologist in the field of cancer research. His most prestigious award to date was the Albert Lasker Basic Medical Research Award in 1988, which is regarded by many as second only to the Nobel Prize in prestige. He has been a member of the National Academy of Sciences and the American Academy of Arts and Sciences since 1983.

Many of Sharp's colleagues are confident that he will win the Nobel Prize within the next several years. Sharp was mentioned prominently after the most recent round of Nobel nominations, in part because some felt he deserved to share the medicine award with those who received it.

Professor Richard O. Hynes PhD '71, chairman of the biology department, said on Wednesday that many in the faculty, including Sharp himself, have been disappointed over the last two years that he has not yet received the Nobel Prize for his work.

"RNA splicing is one of the great discoveries of our time," said Professor of Biology Har Gobind Khorana, a Nobel laureate, referring to the research which had won Sharp the Lasker Award. "His science is marvelous," he added.

Biology Professor Robert A. Weinberg '64 described Sharp as a "spectacularly successful scientist," and called RNA splicing a "landmark" achievement.

Solow said that one reason for Sharp's selection was the committee's feeling "that the president of MIT be someone that the faculty respects. Phil Sharp is a superb scientist and a leader of American science."

One researcher in the cancer center said, "We are very happy for Phil, but it is a loss for science." The biologist added that "how [Sharp's] decision affects the individuals in his lab weighed in his mind."

Brent H. Cochran '78, professor of biology, felt that Sharp's nomination would create a void within the biology department — a "leadership loss [and a] loss of continuing science." However Cochran went on to say that "MIT could not have made a better choice."

(Please turn to page 13)

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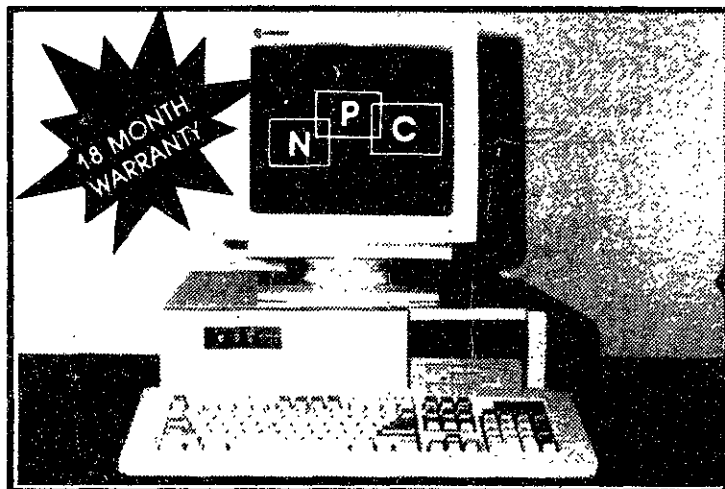
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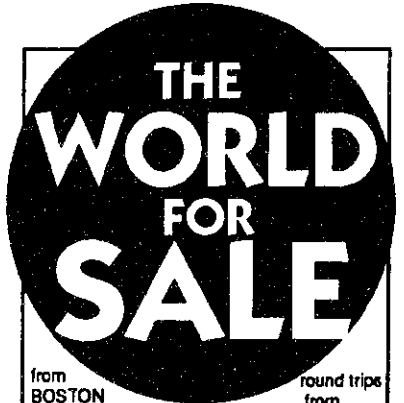


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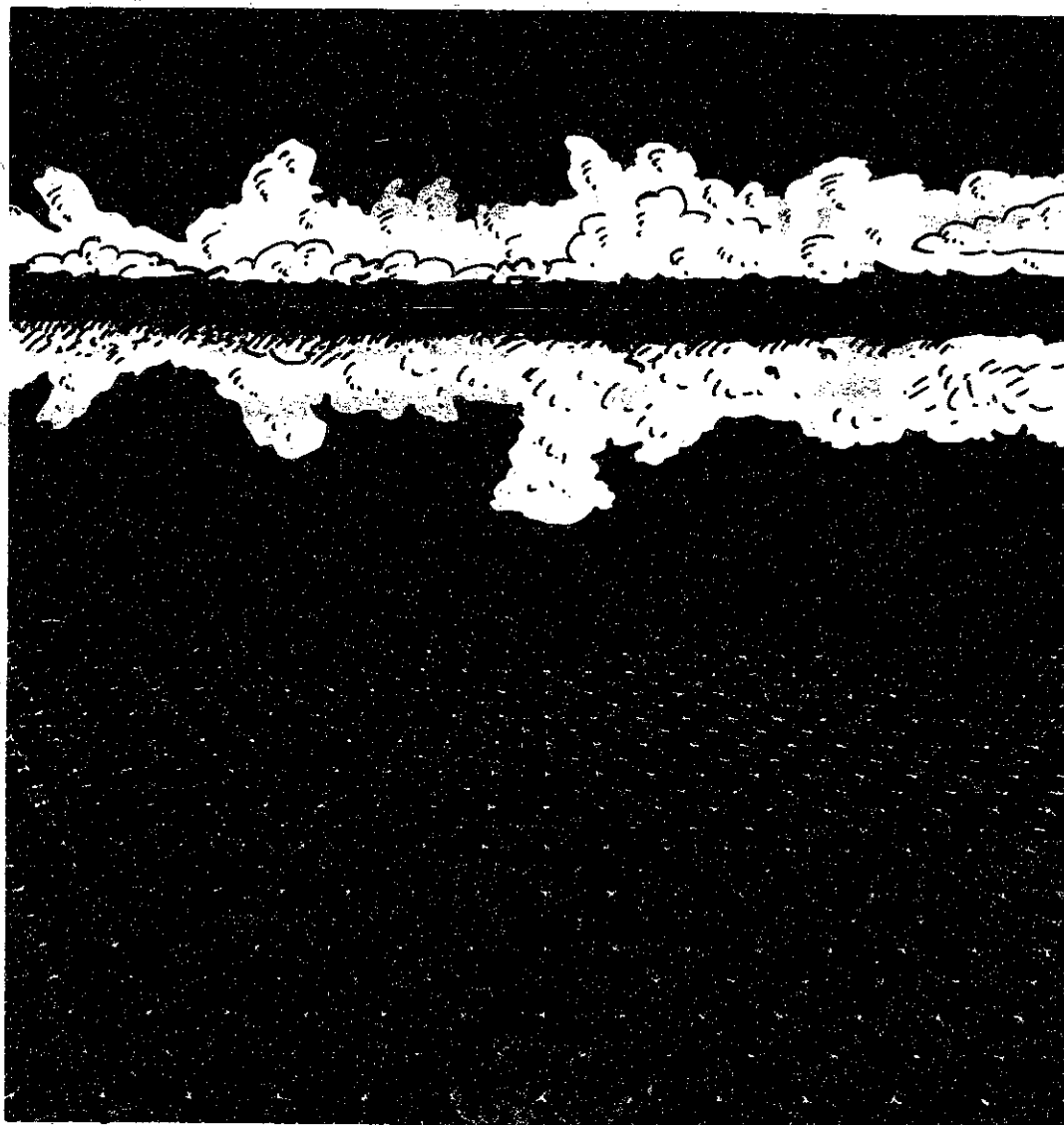


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Molecular biologist Sharp to succeed Gray

(Continued from page 11)

Although he has only been in a major administrative position for five years, Sharp is also considered a first-rate manager and administrator by many of his colleagues.

Biology Professor Phillips W. Robbins called him a "great administrator," and said that "we loved having him as head of the Cancer Center."

Weinberg agreed, saying "if Phil Sharp had been a member of the chemistry department," he would have been an "equally strong candidate."

"I have worked with [Sharp] for many years . . . it is a wonderful decision to nominate Sharp," Mary Lou Pardue, a professor in the biology department. She continued, "He will be excellent, but we will miss him in the department."

A relative unknown

Solow said Sharp was selected, in part, because "we wanted someone who took a broad view

of science and engineering education and could look at MIT from a fresh eye." While Sharp is an MIT insider, he is not an engineer and thus combines "the best of both worlds," Solow said.

In contrast with many of the other candidates, Sharp was relatively unknown to students and faculty. One high-level administrator said that he "had never met him," and said that "most of the guys in my department would not know who he was. . . . I would not recognize him if I bumped into him in the hall." Many students from outside the biology department had not heard of Sharp before this week.

If elected, Sharp would be the first president to come from the biology department. Previous presidents came from such disciplines as electrical engineering, physics, economics, and management. Some biologists saw this as a triumph for their work.

Co-founded local company

Sharp has not spent all of his time in the cancer center, howev-

er. In 1978, he co-founded Biogen, a Cambridge-based genetic engineering firm. According to Viki Sato, Biogen's director of research, Sharp was "one of two people who were really critical" to the company's founding. The other person is Wally Gilbert, a professor of biology at Harvard University.

Sato said that Biogen develops, but does not market, recombinant DNA-derived drugs. The company also licenses the use of products it develops. Sato said that Biogen hopes to eventually be able to market its own products.

Sharp is still very much involved with Biogen. He is one of 12 members of the firm's board of directors, and acts as a scientific consultant to the company. Sato said that he is not a staff scientist or researcher, but advises Biogen on its work. Sharp reportedly owns 325,000 shares of Biogen stock, worth approximately \$5 million.

Biogen is within the "top half dozen [biotechnology firms] with respect to products on the market," Sato said. The company's two most important developments to date have been Alpha Interferon, which helps in the treatment of various cancers and

hepatitis, and recombinant DNA-derived Hepatitis-B vaccines and diagnoses.

Sato praised Sharp, calling him "one of the most fair-handed people I have met." She described his nomination for MIT president "a remarkably exciting opportunity for MIT."

He is "that very rare blend of pragmatic visionary that will really mean a lot to MIT," Sato added.

Prominent candidates out of contention early on

Sharp's nomination ends nearly one year of speculation as to who would succeed Gray. One high-level administration source commented that Frank Press, president of the National Science Foundation, and George P. Shultz PhD '49, former US secretary of state, were simply too old for the job, saying, "it is probably a young person's position." Press was considered the runner-up in the last presidential search, and Shultz had been mentioned prominently in *The Boston Globe*.

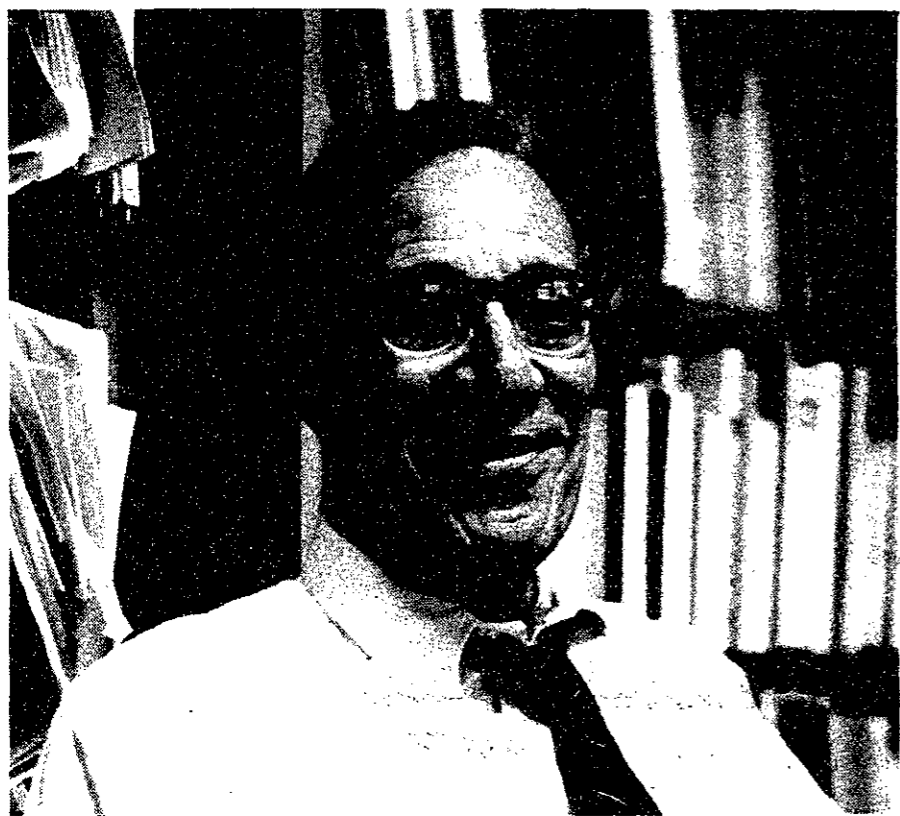
Provost John M. Deutch '61 was considered a leading candidate from the beginning. But Deutch announced in January that he would be not be MIT's

next president. It still is not clear whether Deutch pulled himself out of the race, or if the search committees told him that he would not receive the nomination. Deutch is presently rumored to be a candidate for the presidency of Carnegie Mellon University.

Nobel laureate and Whitehead Institute for Biomedical Research director David Baltimore '61 was similarly considered a leading candidate. Baltimore announced in the fall that he would leave MIT in July to assume the presidency of Rockefeller University, a biomedical research facility in New York City.

Before Wednesday's announcement, Sharp was one of the people rumored to have been on the short list of candidates to replace Baltimore.

James F. Gibbons, dean of engineering at Stanford University, seems to have been Sharp's closest contender. Gibbons was seen on campus as late as last week, which would seem to indicate that he was one of the last candidates on the short list. According to *The Tartan*, CMU's student newspaper, Gibbons turned down a presidential offer from their school last fall, but remained on the short list.



Professor Robert M. Solow

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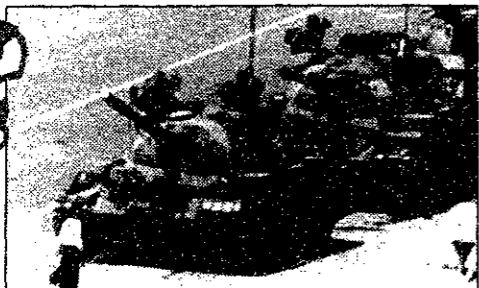
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Wed, Feb 21 Israel Update with Yaakov Levy, Israel Counsel Student Center West Lounge, 7 PM

Wed, Feb 28 Faculty Student Dinner Judaism & Me: Perspectives of MIT Faculty Walker Blue Room, 6-8 PM

Chai Week : Song, Dance, and Food

Thurs, Feb 22 Jewish Singing Group Lobby 10, noonish (11:55 - 12:05)

Jewish Singalong Lobby 10, one-ish (12:55 - 1:55)
(Encore Tues, Feb 27, same time, same place)

Sat, Feb 24 Israeli Folk Dance Party DuPont Gym, 7 - 11 PM \$2 MIT, \$5 others

Sun, Feb 25 Israeli Dance Workshops Student Center 407 & 491 10 AM - 6 PM \$1 - \$2/session

Jewish Cooking & Essing Burton Suite 252, 4-6PM \$2 materials fee

Chai Week Booths : Lobby 10

Wed, Feb 21 Student Jewish Appeal

Thurs, Feb 22 Chicken Soup Sale

Fri, Feb 23 Student Jewish Appeal

Mon, Feb 26 Israel

Tues, Feb 27 T-Shirts

Wed, Feb 28 T-Shirts

Chai Week : Dorm Chats

Thurs, Feb 22 When Jews Date Non-Jews Ashdown House West Dining Room, 7PM

Mon, Feb 26 Is Judaism Culture, Religion, or Nationality? East Campus, Talbot Lounge, 7PM

Tues, Feb 27 Israel: Oh yay! or Oi Vey! MacGregor, 7PM

Chai Week : Shabbas

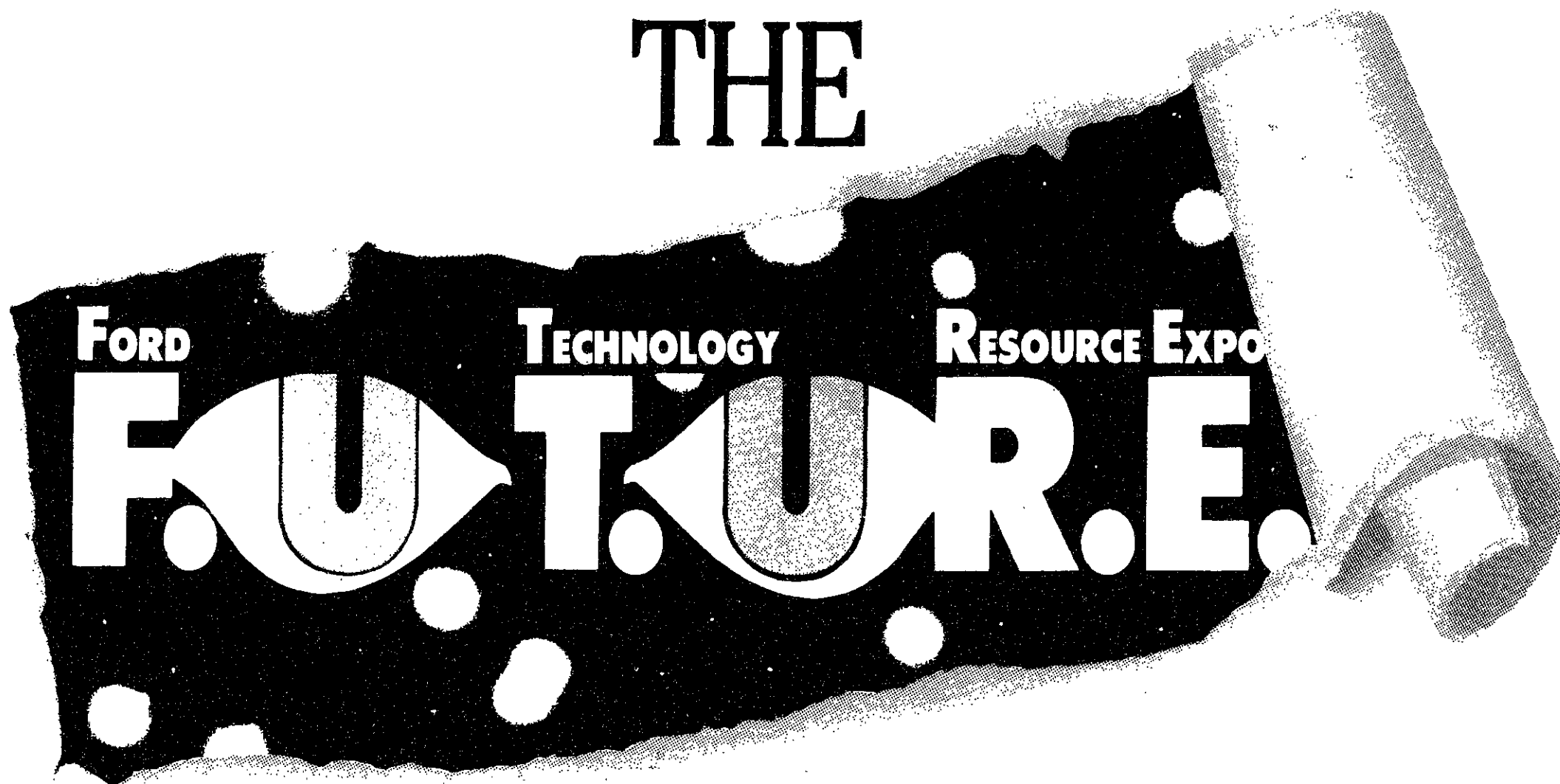
Fri, Feb 23 A Hitchhiker's Guide to the Prayerbook : Don't Panic! Walker Room 50-010, 5:30PM

Shabbat Dinner Walker Blue Room, 6:45 PM

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Sat, Feb 24 Talmud Study Burton, 2 PM

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4:30-5:00 p.m.

John Heywood

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Institute participates in Black History Month

(Continued from page 1)

and assume the events are geared solely to blacks, but that's not the case."

Robbins did point to one event in which non-black turnout was high. "We co-sponsored an event with Hillel and the turnout was great. A lot of Hillel members, as well as BSU members, attended the event," he explained.

The event, which took place Monday, involved a theater group that performed various scenes and then questioned the audience about their reactions.

Another performance event, the African American Living Museum, will feature members of the BSU acting out the roles of prominent figures in black history. Assistant Dean for Student Affairs Ayida Mthembu, who developed the event, believed that it would bring a higher non-black turnout than events held earlier in the month. The performance is scheduled for Tuesday.

The MIT drama program has been very supportive of the museum event, Mthembu noted. "They're donating costumes, and have offered to help in any way they can," she said.

Black history classes urged

While Mthembu was pleased with the support certain departments have offered to the events, she hoped that in the future there would be more support from the Institute as a whole. "I can foresee a time when we'll be asking for more. We could certainly use

more money for programming that's geared to minorities," she said.

Mthembu added that she would like to see more black history classes such as Politics of Race and Ethnicity in America (17.258/17.259), which is being taught by visiting Associate Professor James Jennings.

Colbert echoed Mthembu's desires. "I think it would be wonderful to see black history fully integrated into the curriculum," he said. This could be accomplished by hiring one or more tenured minority faculty members and also by encouraging more visiting professors such as Jennings, he believed.

Adding instruction on black contributions into the curriculum would also help to complete an already abundant offering, Colbert said. "There is room in the rich tapestry of MIT to add some additional thread," he asserted.

"The contributions of black scientists as well as other prominent figures in black history, are often overlooked," said BSU co-chair Charles D. Robinson, Jr. '90.

As an example of such oversight Robinson pointed to Louis Vladimir, a turn of the century physicist. It was Vladimir, not Thomas Edison, who designed today's typical lightbulb.

Few MIT students are aware of this fact and "that's why Black History Month is so important," Robinson said. "It gives people [like Vladimir] the long overdue recognition they deserve."

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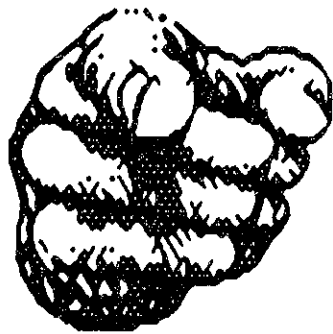
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N52 studio renovations complete

(Continued from page 1)
 used as storage, and probably had not been cleaned in 20 years. Walls were brown, there were dangling wires, and one half of the drop ceilings were up and down," he said.

Student-led projects are a viable way for the department to afford renovations, Vallecillo be-

lieved, and he hoped that students will have a chance to coordinate another project next summer. A possible choice is to make a rooftop deck for building N52, he said.

Department divided between two buildings

Both architecture students and

professors are concerned about the department being divided between the main Institute buildings and N52. Last term three meetings were called by students to discuss problems faced by the department, among which was the issue of its physical division. The students recommended to Porter and Jean P. de Monchaux, dean of the School of Architecture and Planning, that all design studios be housed in the same location by September 1990.

Architecture studios had been housed in the same place until last year when "the absolute number of students had grown beyond the capacity of the available space at the main Institute buildings," de Monchaux said in December. Because of this, a large number of students was moved to available space in building N52 last fall, he added.

"The close proximity of all levels of the design program permitted a large amount of TA-student interaction," Lambert T. DeVoe '91 said last term, since "in one community there is more to gain from our educational experience."

Most students believe, however, that during the near future Architecture at MIT will remain a split school.



Mauricio Roman/The Tech

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Summer 1990 Student Research Opportunities at the MIT Haystack Observatory, Westford, MA

Undergraduate science and engineering students are invited to apply for summer research positions. These are nominally three months in duration (June, July, August) and carry a stipend depending on academic level and experience. Six positions have been funded for 1990 under the National Science Foundation's "Research Experiences for Undergraduates Program." Women, minorities, and handicapped students are encouraged to apply.

Examples of projects in astronomy, atmospheric sciences and engineering/software are: High-resolution radio studies of stellar systems; ultra compact hotspots in extragalactic radio sources; auroral winds in the earth's upper atmosphere during geomagnetic storms; development of radar data acquisitions system; implementation of antenna feed and servo control systems; calibration and testing of recorders used in interferometry.

For further information and application form please write to: Director, Haystack Observatory, Off Route 40, Westford, MA 01886, or call (508) 692-4764. Application Deadline is 15 March 1990.

MIT Poetry at the Media Lab Series Presents ...

Natan Zach

Thursday, February 22
 7:30 pm
 Bartos Theater
 Weisner Building (E15)

Natan Zach is one of the leading poets of Israel. He has written six collections of poems, many of which have been translated into 12 languages. In 1981 he was awarded the Bialik Prize (Israel's most prestigious Literary Award). Last year he represented Israel at the Rotterdam International Poetry Festival and was on an 11-member Israeli delegation to the USSR, the first ever officially invited to that country. He is also one of 20 major international poets invited to talk this month at the Moscow Pasternak Jubilee commemorating the poet's 100th anniversary. The Jubilee is held under the auspices of Mr. Mikhail Gorbachev, and Natan Zach has been invited to meet and talk with the Soviet Leader personally. Natan Zach's most recent work in the English language, The Static Element, was published by the Atheneum Press in 1982. Mr. Zach will be reading his own poetry, and the poetry of those who have influenced him. This is the first of five Thursday night readings scheduled this term. Refreshments will be served. Series funded in part by the MIT Council for the Arts.

sports

Ski team moves on to championships

By Becky Dumas

The MIT men's ski team, defending NCAA Division II champions, won last weekend's meet hosted by Skidmore College at West Mountain, NY, for the alpine event and the Putney, VT, for the nordic. The team did this without top nordic racer Steven K. Bull '90 in the individual race. Bull raced Saturday at the Dartmouth Carnival placing 12th among Division I skiers to qualify for the Nationals in classical cross-country.

Despite Bull's absence, the combined alpine and nordic teams destroyed their competition. MIT scored 255 points com-

pared to Colby's 214, St. Michael's College's 202, Bowdoin's 192, Harvard's 164, and Johnson State's 152.

The trail to victory began on Friday on the strength of Paul M. Zackin '90's first and Gregg K. Motonaga '92's third place finish in the slalom. Alexis P. Photiades '91 was MIT's third top finisher with a 15th place. Scoring only included the top three finishers per school, yet Peter O. Rexer '91 and Jason C. DeSantis '91 skied solidly, finishing 19th and 20th, respectively, out of a field of 60.

In the men's cross-country individual 15K loop, Terry C. Tote-meier '91 placed 6th, Douglas P.

Rodger '93 14th, and Andrew F. Parsons '91 18th. MIT won the cross-country 10K relay the next day with Bull returning to ski the fastest relay leg.

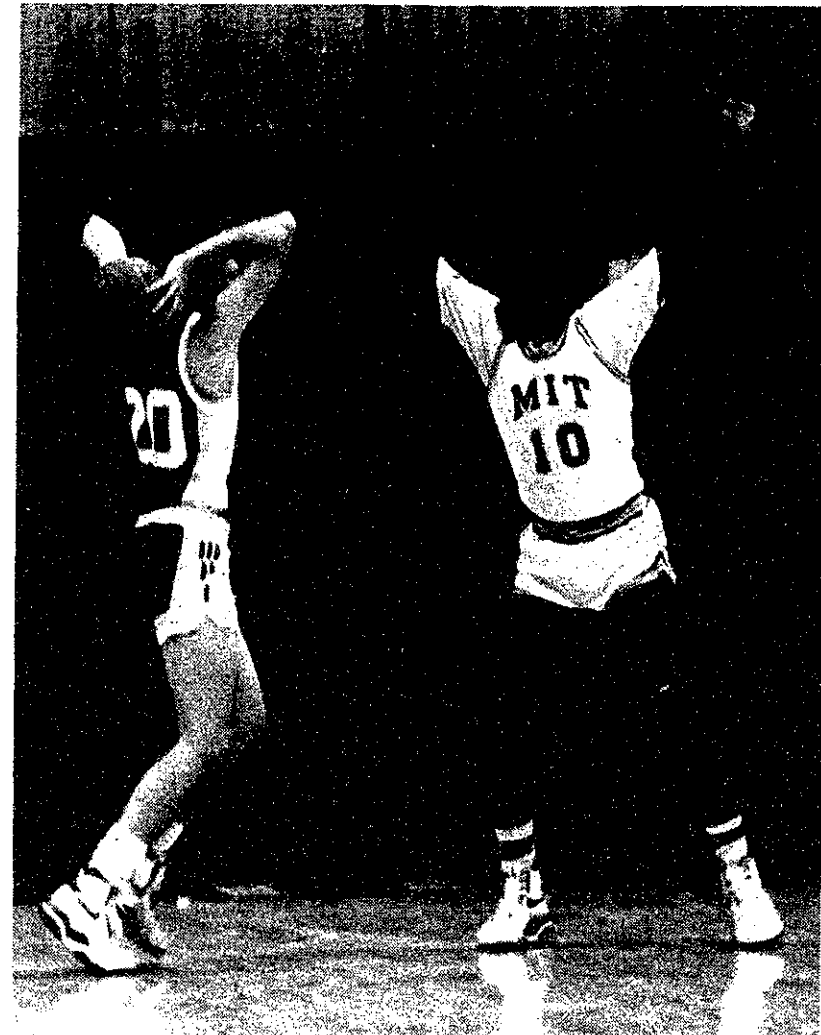
Back in New York, giant-slam specialist Motonaga skied two sizzling runs. He was the fastest skier on both the first GS course and the more open second course. Motonaga's win was followed up by an 8th place for Zackin and a 17th place for Photiades.

The women's team did not fare as well as their male counterparts. With nordic captain Heidi Gibson '92 out with a knee injury, MIT could not field a three-member relay team. However, in the 10K individual race Kathleen A. Bergeron '93 finished a strong 7th and Wendy J. Rowell '91, in her first racing season, finished 18th.

Rebecca L. Dumas '90 was in good position after the first run (19th), but fell on her second run. Wendy E. Krause '93, after a first run mishap finished 17th in the second run to move up to 21st overall. Cynthia G. Madras '91 and Betty Chang '91 both finished in the top 30. In the giant slalom, Krause was the top MIT racer, finishing 16th overall.

The ski team will defend its 1989 Division II title this Friday and Saturday at Mount Snow (alpine) and Putney, VT (nordic). This year, under a new format, the champion will be determined by combining scores from all four categories — men's and women's, alpine and nordic events.

(Becky Dumas '90 is captain of the women's alpine ski team)



David H. Oliver/The Tech

Arik Brown '93 puts up a defense against a Worcester Polytechnic Institute forward. MIT lost to WPI, 72-64.

Upcoming Home Events

Friday, February 16

4:00 Squash v. Conn College

Saturday, February 17

1:00 Men's Swimming v. Bowdoin

2:00 Men's Basketball v. WNEC

4:00 Men's Gymnastics v. City Coll. of NY

7:00 Men's Hockey v. Gordon

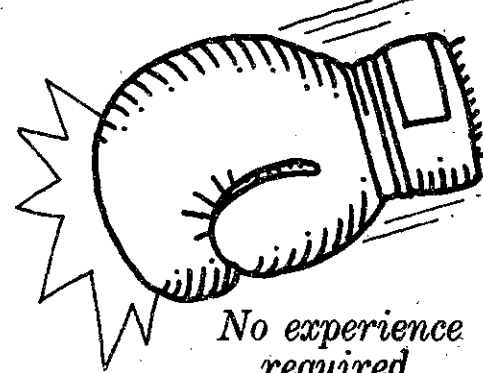
Monday, February 18

4:00 Men's Basketball v. Tufts

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