Free Speech Debate Focuses on Posters Decrying U.S. Policy

By Eric Berry

A Lobby 7 drop poster comparing U.S. militarism against civilians abroad to recent attacks on the World Trade Center and the Pentagon has become the focal point of a free speech debate on campus.

The poster, which was put up by MIT’s chapter of Refuse and Resist, was torn down by a local construction worker, said Anton Van Der Ven, a postdoctoral associate actively involved in the group.

When a female member of the group who was guarding the poster tried to intervene, the construction worker allegedly told her, “We should kill them and move on to other countries like Israel, Colombia, and Turkey.”

Anton Ven Der Ven said.

The poster was subsequently put back up, and the group contacted the Campus Police, “who have been very supportive” of the group’s right to free speech, Van Der Ven said.

Brice C. Smith G, another active member of Refuse and Resist, defended the poster, saying that “a line has to be drawn between speech that is offensive and that which is harassment.”

The gathering began with the short speech delivered by Clay. “It is important to share our thoughts, and to draw on the strength of a community united,” he said. “The greatest benefit will come from your talking to each other, and not from anything coming from this podium.”

Clay said that members of the MIT community should take care not to blame the tragedy on others. “There has already been a small trickle of hateful communication directed at members of our community,” he said. “We have the responsibility to support each other, and to diversify our community representations.”

Followings Clay’s address, Rev. Amy McGraith led the community in a minute of silence honoring those lost.

Clay said that members of the MIT community should take care not to substantiate blame for the tragedy on each other. “There has already been a small trickle of hateful communication directed at members of our community,” he said. “We have the responsibility to support each other, and to diversify our community representations.”

According to Kumar, much of the discussion surrounding pedagogical innovation centered around “more flexibility in educational delivery that supports collaborative education, active learning, and that is not reliant on the physical location of machines.”

The program is being jointly run by Academic Computing and the Computing Practices Resource Team (CPRT). “There are 250 machines in the project,” said Kye E. Pope, team leader of CPRT. “And 125 of them, to be used for introduction to Computing and Engineering Problem Solving (1.00) and Mechanics and Materials I (2.00), were donated by the Hewlett-Packard Corporation. ‘That adds up to something like half a million dollars of grant aid.’

Pope said. ‘The remaining funds are from MITCET, which [ultimately] comes from the Alex and Britt d’Arbeloff Fund for Excellence in MIT Education.”

Students Get Laptops for Coursework

By Shankar Mukherji

The MIT Council on Educational Technology (MITCET) has initiated a program to distribute laptop computers to students as part of an experiment aimed at assessing the educational impact of a mobile computing environment.

“They are 250 machines in the project,” said Kye E. Pope, team leader of CPRT. “And 125 of them, to be used for introduction to Computing and Engineering Problem Solving (1.00) and Mechanics and Materials I (2.00), were donated by the Hewlett-Packard Corporation. ‘That adds up to something like half a million dollars of grant aid.’

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Courses tailor laptop use to fit needs

Students [except for those in the Technology Enabled Active Learning program] will get the laptop, a wireless card, a case, and the computers will be registered with [<stopit@mit.edu>],’ Pope said.

StudioMIT (Architecture) and 2.091 students will be issued individual laptops for their personal academic use.

‘Architecture students will be using [the portable] CAD-CAM (computer-aided design and computer-aided manufacturing) development, on-site work at construction building projects, and ultimately, developing portfolios of their architectural work,” said Philip
With World Attention on America, Israel Launches Military Offensive

WASHINGTON The Washington Post

JERUSALEM WEST BANK

With the world's attention diverted by terrorist attacks in New York and Washington, Israel has launched a military offensive in Palestine-controlled territory in the West Bank and Gaza Strip that has killed a dozen Palestinians in the last three days.

A spokesman for the Israeli army said the operations, including dawn raids and house-to-house searches, were intended "to prevent terrorist activities," including drive-by shootings. But independent witnesses said the operations were taking place in response to attacks in the United States that carried the hallmark of al Qaeda.

Special forces from the Palestinian National Authority, which has taken control of most of its former territory in the United States to carry out raids that might other- wise have attracted criticism from abroad.

The new security arrangement from Europe or the United States, but the raids received little attention in the Israeli media as well.

In the latest operation, a column of Israeli tanks accompanied by infantry rolled into the sleepy Jordan Valley town of Jericho before dawn Thursday, triggering a smattering of opposition by Palestinian guns. The two houses in Jericho hit by Israeli tank shells are around the corner from the home of Saeb Erekat, a top Palestinian peace negotiator. Erekat, a moderate who maintains close relations with a wide variety of high-ranking Israeli officials, said the Israeli attack was unprovoked.

He said Israeli Prime Minister Ariel Sharon is taking advantage of Washington's focus on the aftermath of the murderous attacks in America. "He's using this for two things," Erekat said. "First, to do what he wants without anybody watching him. Second, he's trying to package this for the world as if he's fighting terrorism."

But Israel's withdrawal from settlements in the West Bank and elsewhere is focused on the centers of Jenin and Jericho but remained in positions on Palestinian territory at the perimeters.

New Trade Agreement with Mexico Moves Closer to the WTO

LOS ANGELES TIMES

One of the last obstacles to China's entry into the World Trade Organization was overcome Thursday when China and Mexico reached agreement in Geneva on their trade differences.

The principal remaining barrier is China's alleged preferential treatment of U.S. insurance giant American International Group, which has provoked the European Union's ire. But trade experts said it was possible that the WTO ministerial meeting in Geneva on Tuesday, when China's admission is expected to be for- mulated.

Mexico has been slow to agree with China because of concerns for its apparel, toy and shoe industries, which will have a difficult time competing against Chinese imports on equal footing.

Talks of the Thursday's agreement, which came during a WTO meeting in Geneva, seem to indicate a Mexican victory. The nation can keep duties in place for at least six years, with an extension if it can prove Chinese dumping persists. The Mexican government said Thursday's agreement gives Mexican companies better access to China.

China's long-awaited admission to the 142-nation WTO has depended on bilateral agreements with all major countries, deals that have been handled rapidly since it and the United States came to terms in Spring 2000.

Chinese negotiators must also contend with recent signs of domestic opposition. In the past two weeks, Chinese companies have threatened to strike over government moves that, they say, would leave untouched groups that have contributed to Palestinian attacks on Israel.

"We will also do it in such a way that the United States does not recognize the Taliban and does not have diplomatic relations with them. But an aggressive diplomatic campaign has also won the United States support from a range of inter- national organizations, including a resolution of support adopted 50-15 by the U.N. General Assembly. The U.N. Security Council has also sig- nalled its readiness to take steps in response to the attacks.

Despite efforts to build an inter- national coalition, Powell said the administration would not let this freeze its hands as it has sought to pursue terror- ists and states that support them. "We will not do it in such a way that if the United States feels a need to act alone by itself, we will not be confronted by the fact that we're working with others as well," he said.

The ultimate goal is to build international momentum for a sus- tained confrontation with terrorist groups and governments that provide them support and haven. "What we don't want to do is to have a quick burst, while everybody is focused on that which happened, and then lose sight of the fact it's going to take some time to root out terrorism," the senior administration official said.

Powell asks Pakistan for help in finding fugitive bin Laden

By Steven Munson and Alan Sipress

WASHINGTON

Secretary of State Colin Powell Thursday pointed to wealthy Saudi exile Osama bin Laden as a prime suspect in the attacks on Tuesday by airplane hijackers and later spoke with Pakistan's leader to insist on his help in hunting down the fugitive militant and uprooting his network.

"We are looking at those terrorist organizations that have the kind of capacity that would have been necessary to conduct the attack that we saw," Powell said. "We haven't yet publicly identified the organization we believe was responsible. But when you look at the list of candi- dates, one resides in that region."

When asked by a reporter, Powell confirmed he meant bin Laden.

Powell said that as soon as the United States is certain of the identi- ty of the culprits in the hijackings, "We will go after that group, that network and those that have harbored, supported and aided that network, up to and including it."

He added, "When we are through with that network, we will continue with a global assault against terror- ism in general."

The focus on bin Laden and his bases in Afghanistan has driven much of the Bush administration's diplomatic efforts to rally support for possible military strikes in retali- ation for Tuesday's attacks.

Deputy Secretary of State Richard Armitage, meeting with some Pakistani officials for the sec- ond day, made several demands, including that Pakistan close its bor- der to Afghanistan, cut off fuel supplies to the Taliban and grant overnight rights to U.S. military air- craft, administration officials said. The United States is also looking for intelligence cooperation.

Though the Bush administration has expressed grave concern about the safe haven provided to bin Laden by the Taliban movement ruling most of Afghanistan, U.S. officials said they were unaware of any offi- cial American discussions with the Taliban about terrorism since the attacks on Tuesday.

"We have ways of talking to them and we're exploring those ways now," Powell said. State Department officials said the administration could contact the Taliban through their representatives in Islamabad, New York or a few other foreign

WEATHER

Situation for Noon Eastern Daylight Time, Friday, September 14, 2001

A Taste of Autumn

By Nikki Prime

A cold front moved through the area overnight, bringing with it a chill through the morning, drizzle, and a generally overcast day. The temperature is expected to pass near Newfoundland in the next few days. Fair, cool weather will linger in the afternoon, cooling of next week, with daytime temperatures slowly increasing to the low 70s (22°C) by the middle of next week.

There are currently three named tropical storms in the Atlantic region. Hurricane Frances is located in the eastern Atlantic and weakening, is expected to pass near Newfoundland in the next few days. Hurricane Felix, located in the middle of the Atlantic Ocean, is heading north with maximum sustained winds of (105 mph (160 km), and may continue to stream. Tropical Storm Gabrielle, in the Gulf of Mexico, has brought heavy rains to the region, is now moving away from the United States, before it makes landfall this weekend, but forecast models are uncertain as to the path of the storm.

Warm temperatures persist across much of the southern and western portions of the country, with rain and cooler temperatures in the northern plains and across the Northeast as far south as Washington DC. The Midwest will be sunny but cool, with temperatures in the 60s (20°C).

Extended Forecast

Today: Rain to start, ending during the afternoon. High near 63°F (17°C).

Tonight: Slowly clearing, low around 50°F (10°C).

Saturday: Sunny, high around 65°F (18°C), lows in the mid 40s (7°C).

Sunday: Sunny, high in the upper 60s (20°C), low around 50°F (10°C).

Monday: Sunny, high around 70°F (21°C).
With World in Chaos, bin Laden Establishes Base in Indonesia

By Richard C. Paddock

Osama bin Laden, suspected of masterminding Tuesday's attacks in New York and at the Pentagon, has begun operating in Indonesia where social chaos and rising Islamic fundamentalism provide a rich recruiting ground, authorities said.

Bin Laden, sought by the United States for his alleged role in the 1998 bombing of two embassies in Africa, is believed to be planning a terrorist attack in Indonesia, officials said.

Intelligence officials also believe the bin Laden organization might seek to use the vast, unruly ground, authorities said.

"We have known for quite some time that the bin Laden group has established itself in Indonesia," said a senior Western diplomat said this week. "I think they see real opportunities in the world's biggest Muslim country and one in which there are no effective controls."

Islamic fundamentalism has found many new supporters in Indonesia since 1998, when the downfall of Suharto ended more than three decades of military dictatorship. Lt. Gen. Kiki Syahbirdi, deputy chief of the Indonesian army, warned recently that international terrorist activity is likely to escalate in Indonesia, a sprawling country of 170,000 islands.

During the 1990s, bin Laden is believed to have funneled money to the Moro Islamic Liberation Front in the southern Philippines and trained some Indonesians there along with Filipinos. Over the past year, fighters from Afghanistan with alleged links to bin Laden have traveled to Indonesia's Moluccas islands to join forces with Laskar Jihad, an extremist Indonesian Islamic group that is seeking to drive Christians from the region.

Nearly 90 percent of Indonesia's population is Muslim and many officials find it difficult to take firm action against Islamic extremists, including Laskar Jihad, which has sent more than 4,000 fighters to the Moluccas and operates there virtually unchecked.

Pentagon Authorities Plan to Call Army Reserve Force to Active Duty

By Bradley Graham

The Pentagon plans to call several thousand reservists to active duty in the next few days in what defense officials said Thursday would likely mark the start of a much larger military mobilization in the wake of Tuesday's terrorist attacks.

The initial call-up will focus on reservists, particularly special forces. The Pentagon has notified a number of reservists likely to be summoned in the weeks ahead range in the tens of thousands.

As President Bush and his top national security aides were report- edly reviewing retaliatory options, this time, military officials said, Bush and his advisers appear ready to consider the use of ground troops, particularly special forces. More generally, they said military officials are inclined to give greater weight to employing military force rather than treating the matter largely as a police action.

At the same time, military officials knowledgeable about the extent of Pentagon preparations characterized the planning as still in the early stage. They said no specific targets had been selected and no forces yet earmarked for action.

### Buildings Nearby Trade Centre Show Signs of Structural Instability

As rescue workers furiously dug for survivors Thursday, they toiled in the shadow of structurally unstable buildings shattered by the collapsing twin towers.

The Mayor's Office of Emergency Management confirmed Thursday that World Trade Center buildings 5 and 6 and the Marriott Hotel have been destroyed. But more than 10 buildings forming a ring around the World Trade Center complex have also sustained heavy damage, including the Millennium Hotel, One Liberty Plaza, and Three Financial Center.

Thursday afternoon, rescue workers were temporarily respositioned away from the latter two buildings out of fear that they would collapse.

Paul Weis, press secretary for the New York City Department of Buildings, said teams of workers were scrambling to ensure the stability of buildings surrounding the epicenter as quickly as possible.

John Filson, manager of the U.S. Geological Survey's Earthquake Hazards Program in Reston, Va., said the World Trade Center's foundations were based in granite bedrock, "which is about as solid a rock as you can get."

The three heavily damaged buildings of the World Financial Center, some of which came from dredging for the World Trade Center's construction.

Nevertheless, Filson and other seismologists and civil engineers agreed that the instability of buildings around the World Trade Center likely resulted from fire and falling debris instead of the relatively small seismic impact of the collapsing twin towers. Although not familiar with the specific damage to the surrounding buildings, Filson said debris spreading out from the collapse could have destabilized them by damaging the load-bearing members of their frames.
In light of recent events, John Reed's attack on the political and economic foundations of America should be a warning to freedom-loving people everywhere. The price of freedom is eternal vigilance, so it is up to us to remain vigilant and stand ready to defend ourselves, not only against foreign terrorists, but from our own enemies within.

Michael E. Roffin '04

In the first column of Wednesday's extra issue of The Tech is an op-ed piece on the World Trade Center and September 11. The author, an MIT student, asks if the United States is ready to defend itself and to take action against the perpetrators of the attack.

Edward B. Selden

MTF Medical, Chief of Oral Surgery

I did not find out about the events in New York City and in Pennsylvania until I arrived at my lab in Building 38, late 11:30 tuesday morning. The entire building was filled with about 1,000 news clippings, stories, and photos from terrorist sites, a colleagues, and I started to discuss various related things, from the wisdom of U.S. foreign policy to how the conversation moved into the hall, we noticed a couple of friends. In this way, we began to reframe and purposely written on the hall whiteboard. Our first reaction was to dismiss it as just in light of the day's tragedy, but then we thought that if everyone could touch such disasters beautifully, as we could, all this might have happened?

And then it occurred to us that perhaps we would occur that we might fully realize how precious our freedom is. Our country, the World Trade Center was a tremendous Rational Sym- bol: in purpose, a buzz of human energy as a monumental; architecture. The building was a product of the aggregate blood, sweat and tears and genius of a great civilization, yearning skyward to the heavens. It was the second highest building in New York, the exemplar city of American Values. In the coming time, we can expect much worry and activity regarding national security and retaliation. However, over and above these details, we hope we can examine why it is that some beautiful concept was beautiful and continued the progress of the whitehall. I submit that it is because freedom and intellect are one, and that those who are enemies of one are enemies of the other.

Souna K. Mandali '00

First of all, my prayers go out to all those who have lost a loved one or are learning of the whereabouts of their loved ones. I myself was numb all day until I could get through to my family and make sure that they were all safe and well. My deepest sympathies for those still unsure of the whereabouts of their loved ones. Likewise, I may have already been informed by the terrorist attack on the Twin Towers. The perpetrators assume' are instead Muslim. This is very unsettling to see the two towers gone. I very much want to see the Twin Towers back and the truth is that I can potentially inflict chaos. What better memorial to them all than a world of peace and security?

It is not an irreplaceable part of the fabric of human existence. Each life taken was prematurely cut off, and we must bear the authors' signatures, must destroy their operations and supply...imposters whose government has given safe haven to terrorists. If we do so, then we are not better than the terrorist brutes who slay innocents without just cause. We are the most pow-

Caring for patients at MIT, a day does not go by during which I do not worry about the possibility of a mass casualty or threat to the hospital during the course of a terrorist attack. I do not let the fact that I would not want the world to be plunged into chaos. What better memorial to them all than a world of peace and security?

J.D. Zamparas '05

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Recent events have unfurled like a terrifying scene out of a Tom Clancy novel. America has been attacked, and thousands of American citizens have been killed. As a consequence, the American ideals of freedom and capitalism are under attack as well. We cannot sit and do nothing. Instead, we must seek out those responsible and punish them with the full might of our military.

Consider the targets: the World Trade Center and the Pentagon. The World Trade Center was not merely an architectural masterpiece, but a symbol of American capitalism. It symbolized all that America stands for: freedom, opportunity, and the pursuit of the American dream. The attack on the Pentagon left a lasting scar on our military and on our national pride. It is clear that this is an attack on all of us, on our country, on our way of life.

These attacks were not just two-bit operations. Terrorism and intelligence experts have speculated that the attackers had years of planning and preparation. They had carefully selected their targets, and left no stone unturned. The attackers were well-funded, well-equipped, and well-prepared. They went to great lengths to ensure that their attacks would be successful.

The moral argument directly challenges the claims of pacifism. As for the last part of the question, that the damage has already been done—-I fully agree, but that is not the issue. Pacifism attempts to lend a moral equivalence to the initiation of force and the use of force to respond to another initiation of force. But those are entirely different in nature. It is the difference between unprovoked attack and self-defense. Pacifists claim that moral equivalency is not an insult to the victims of our own lives.

We should recognize that those same standards apply to our country and to our shared interests, such as our need for security. We cannot afford to be complacent. We are a nation at war against a nation that has declared war against America. We have appeased these terrorist nations for far too long, and it's time to take a stand. We cannot afford to be soft on terrorism.

We should certainly pursue some effort into investigation, but this is really the least of our problems. The fact of the matter is that this is a declaration of war against America. We have been attacked.

We must act immediately to prevent future attacks. We cannot afford to be soft on terrorism. We must act decisively and with the full might of our military. We must use all available means to ensure that this never happens again.

The loss of thousands of families will not necessarily assuage the loss of thousands of lives. What will it mean for these families? For our nation? For our country? For the world?

And I hope that we all would answer truthfully—our reaction would have been different. Whomever did this to America, and whoever is responsible for or complicit in the attacks, must be brought to justice. We must act decisively and with the full might of our military. We must use all available means to ensure that this never happens again.

The cost will be great. American lives will be lost. I fear that this war will escalate beyond our intentions. It will be a test of our resolve. It will be a test of our strength. It will be a test of our determination.

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We must act decisively and with the full might of our military. We must use all available means to ensure that this never happens again.
Guest Column
Jonathan T. Wang

September 11, 2001, was a day that will be indelibly marked in our memories. As the writing of this letter at 11 A.M. on September 11th is completed, I am attempting to surmount the sheer magnitude of the tragedy that has occurred. It is said that for many MIT students, this was the first day of the rest of their lives. But, I would like to express my feelings and reactions to this stunning event.

The historical significance of this event has been extensively described and debated. This is one of the few occasions in which the majority of the population will likely witness the number of people who have been killed in the ongoing conflict in this time period.

We are inundated with news drama every day, but we must not let desensitization to these events overwhelm our feelings and reactions to this stunning event. This may very well be one of the most significant events in the history of the United States.

While my own observations of the event have been limited, I have seen posters expressing sympathies about all of us. I have heard that some students did not even fully know about the events until their classes were over for the day, and many certainly did not have time to appreciate the enormity of what was occurring. As we all know, MIT students are normally insulated from the outside world and the events of this day were just a normal part of our daily lives. The shock and pain that we felt when we slumped in the faces of terror, and many whose eyes teared up, who found themselves to their respective classes - some in an obvious state of shock, others seemingly oblivious to their surroundings. This is not the picture of caring and concerned citizens, and the MIT administration is at fault for supporting that behavior.

Similiar, I am appalled by the leadership of this university in the aftermath of the tragic event on Tuesday. I have received an e-mail directed to a professor in the department of materials science and engineering from a student who, in expressing his view that we are too self-absorbed or unfeeling to lend our support to those around us. And we are afraid to reflect on the event because of what it says about our true character. We are too self-absorbed or unfeeling to lend support to those around us.

Instead choose to selfishly focus on our own personal lives. Our true character is revealed not by our words but by our actions. What is the most important event for which we are focusing our efforts? Should we use this time? Should we just continue with the routine of classes and work? Should we return to our studies and work. God bless.

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Shandon Hart is a graduate student in the Department of Materials Science and Engineering.

The point of this is to draw attention to the things that we care to be granted in life. For me, it was a massive tragedy to draw attention to the pettiness of some of my concerns.

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TT: Judging from past role of National Science Advisers, do you think he'll be able to have much influence?

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CMV: If I can put it in a broad context, it is a small card's data can be accessed on a fone chip's interface. In some cases the chip itself can restrict the ability to read or write the data. Last week in August is one of the important functions of the smart card. Consider, for instance, its use as a stored value card for a subway system. You get a monthly or an annual internal. A card may simply be a store of information, providing some piece of data to card readers, or it may contain more complex functions, such as encrypting or hiding information from all but a trusted few parties.

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Smart cards reduce fraud by making it much more difficult to tam-

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SmartPhones Offer Internet Service, E-mail Client

By Devdoot Majumdar

The last time I took a weekend excursion to New York, I made the mistake of planning. This time, I evaded such frivolity and took the Chinatown express with the clothes I was wearing, the shoes on my feet, and my Kyocera Smartphone.

The last item on the list became a veritable fifth appendage. It got the only hotel room that fit the trip's budget. I sent the e-mail to my UCB supervisor saying I would be missing work at 6 a.m. It arranged a conference call between me and colleagues in Los Angeles and a Tour Manager in Boston and me, from the Museum of Modern Art in New York.

Over the past few years, the world has slowly acclimated itself to the cell phone. Coupled with the plague of cell phones hitting the 15-24 demographic, Kyocera and a handful of other companies have debuted the "Palm Phone" - a completely wireless device that sends e-mails, organizes like a Palm Pilot, and operates like a cellular telephone. Plus, it's wallet-sized.

The dominant such product in the market is being tooted by Verizon Wireless, and more recently, as the solution to holding one's pockets filled with a cell phone and a separate Palm device. Despite the $400 - $500 price tag, the phone has no addi-
tional functions to the phone itself. Mobile minutes are minutes, after all.

Granted, the college audience has to weigh the cost of a $500 cell phone with the burdens of a tight budget. The redeeming features of such a hefty fee are immediately apparent. First, a high-end Palm device alone approaches the $500 range. And the added benefit is that, with the coupling of Palm with cell phone, the smart card has a functional level of Internet access. Wherein standard cell phones offer "cookies" and "applications" (characteristics) and call themselves "Internet ready," the Smartphone offers something more: the ability to read-line.

Physically, the Smartphone is a little larger than the size of a Palm Pilot, having the capability of flipping open to reveal the Palm screen.

The standard interactive touch-screen that has the advantage of displaying roughly 450 characters at a time.

Capable of accessing the Internet via a modem at roughly 14,400 baud, the Smartphone does well to avoid displaying images entirely. As most webpages have hidden tags for JavaScript, the phone is negligible without images altogether. Essentials like Yahoo! Mail or The Tech's digital signature offer protection.

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Conventional (symmetric) cryptography uses a single key for both encryption and decryption. By contrast, public key (asymmetric) cryptography uses a pair of related keys: a public key, which is designated as public and the other as private. This is because the math is distributed as widely as possible on the web, everywhere from ends of e-mails to merchant requests that use called key stores. The private key is kept secret and is never given out.

If a message is encrypted using one key, it can only be decrypted with the other key, and vice versa. Two keys are based on this property. In the simplest possible implementation, a person signs a document simply by encrypting it with their private key. Anyone with the public document can then get the sender's public key from a multitude of sources and decrypt the message. If that document decrypts with the public key, it is proof that it was encrypted with the sender's private key and thus is authentic.

For an electronic credit card transac-
tion, the system works as follows. When a customer is ready to make a purchase, the merchant provides an invoice to the customer, who then reviews the invoice and inserts the smart card into the merchant's device. The computer hands the invoice over to the merchant who then signs it with a stylus and gives it back to the computer. The computer then transmits the invoice back to the merchant, who can verify the user's signature.

The smart card is considerably more secure than the current one. Private information is only kept in the merchant's device itself. Smart cards provide a way to condense a secret into a physical object that the average user can protect.

Cards may be quite versatile. Smart cards are already being used in several applications out-
side of commerce. While smart cards are just beginning to enter the U.S. market, they have been ubiquitous in other countries for many years. Many European countries have replaced the credit card and the signature with smart-card-based debit systems. Since they do not contain money, smart cards are not susceptible to theft or loss because they do not contain money, smart cards are not susceptible to theft or loss.

Some cell phones currently store the data on the cellular phone. The Palm Pilot simply moves her old smart card into the new phone. Service, along with the phone's new location and other prefer-
ences, is instantly transferred.

Computer logs, e-mail signatures, and most of our personal archives are just a few of the potential future uses for the technology. As smart cards become more common, we can expect an expansion in the number of applications that are available.

Glasses and the Burden of a Tight Pocket

Ed. card can add special security features to allow that ease its contents upon tampering.

Digital signatures offer protection similar to the way a signature on a document substan
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Inevitably, some of these sites may be hacked, compromising every credit card the system has ever accepted. The key to making web purchases safe is to keep secrets secret, not just from thieves, but even from merchants themselves. The concept behind the digital signature and its underlying technology, can be summarized as "if one has seen it, it seems to have no real-world anal-

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Cards from Page 7

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Both Jung and Pauli were against the Cartesian viewpoint that the physical world and the human mind are essentially different and independent and therefore should be considered separately.

Pauli was soon aware that pure analogical representation of a number of physical symbolicism [page 11-12]. According to this table, small analogies parallel in fashion are interpreted as many men neatly aligned with an unconscious sense of identity, the splitting of spectrums as process of differentiation, radioactive nucleus as self, and resonances as archetypes. This direction looked heuristic at first, but Pauli was soon aware that an analogy could ascertain no more than the apparent similarity of the two term sets. So he switched to work on another direction.

From Pauli's understanding, the Copenhagen interpretation of the uncertainty principle destroyed the Cartesian distinction of the subjective and the objective, relativism smeared the absolute independence between space and time in the Newtonian-Kantian cosmos, and the probabilistic nature of quantum mechanics challenged the belief of definite causality. Modern physics was deeply questioning the philosophical world view built in the Age of the Reason. The reduction of modern physics reflects precisely the inner drive of modern Western people to break the Western rationality of Descartes, Newton, and Kant. To describe and represent the new world view properly, Pauli proposed a "quaternary" schema, a somatic device frequent used by Jung for thinking and reasoning [page 57].

In the quaternary, "synchronicity" refers to the relation between phenomena coinciding in time and space for which there is no causal explanation but which have a meaningful connection. According to Harald's recent energy and space-time, on the one hand, indicates the interactive convertibility between energy and matter in the physical space. On the other hand, it is analogous to the pair of energy and time fluctuations in the uncertainty principle. The quaternary is supposed to be an "enigmatic human being" in the dissolution of the world picture and the indication of the psychic archetypes of human beings that construct this picture.

Jung looked from a slightly different angle. He was also intrigued by Paul's bold proposal of "unifying" modern physics and his psychological theory. But for a scholar who had focused on mythology for decades, the most valuable fruit of this proposal was to extend the realm of myths to the discourses of modern physics. Jung could analyze energy, field, force, isotes, or radioactivity in the same manner by which one analyzes myths and rituals. But how does one connect these two realms?

Jung noted two conjunctions of science and myth which dated back to the Ancient and Middle Ages: alchemy and numerology. To Jung, the medieval alchemists and the twenty-first century atomic physicists had amazing similarity—they both were able to transmute one kind of material to the other; the former transmuted through magic and the latter through radiations. The peculiarity of the medieval alchemists is that they were not only using magical recipes to manipulate the characteristics of quick silver, sulfur, philosopher's stone, and other substances. Along with the practices, the alchemists developed a theory of nature. In investigating the external world toward the inspection of the internal knowledge of self or contemplate on the intrinsic meaning of numbers, the atomic physicists were the modern prophets, holding the power of material transmutation and manipulating numbers. Jung most hoped he could, at least partially, comprehend the language of modern physics in terms of a discourse about the self, just as the alchemists and the numerologists did hundreds of thousands years ago.

Though putting together these primary sources is no doubt quite valuable archival work, its value lies more in understanding Pauli than in understanding Jung. The most notable value is to overturn the cliches about the image of a scientist.

The master of quantum mechanics, Wolfgang Pauli was far from concerned only with tangible, material, provable, or "objective" matters. He dared to think of those things which had been delegated by theologians as metaphysical or theological and therefore worthless to think: ESP, telepathy, "animus," trance, hermeneutics, "I-Ching" (the Chinese classic "The Book of Change"), and so on.

Indeed, as Pauli relates in the letters, his dreams were filled with the icons of his profession such as atoms and spins, but equally abundant with esoteric figures—a black woman wearing a white gown, the number four, dead relatives. The image of the man uncovered from Meier's archival work is much more diverse and incomprehensible than we have anticipated. That makes Pauli a real human being, a contra dictory, enigmatic, and hence charming human being.

But the opposite of this pro is an unavoidable con: this book is not really to digest. Most likely, the reader will find a large part of this book ambiguous, confusing, unconvincing, and even incomprehensible. Both authors frequently referred to the terms in psychoanalysis, medieval Christian philosophy, I-Ching, alchemy, or Indian religion without clarification, which inevitably causes difficulty to readers not well versed in these areas. Worse, in a number of places, it is very hard to figure out what the authors mean, or, if we could understand what they meant, where the arguments could lead to.

The impatient reader may stop at page one hundred and begin to accuse Pauli of being superstitious and Jung speculative, or vice versa, and both too vague. However, there is a good reason for these shortcomings—Pauli and Jung never expected someone else to read these texts. Their letters were not for a book, a paper, an essay, or any type of publication, but for their own communications. They had no obligation to clarify the vagueness in their writings, because we were not supposed to understand.

For those who might criticize Pauli and Jung for crossing the border between science and non-science, there is another defense. Pauli and Jung were careful not to publish their papers. In other words, Pauli never let this part of his life enter history. But that is why the story of Pauli this book revealed is so unexpected.
Hey Kar. What's going on?

HELLO?

Oh, you're watching TV. MIT Satellite feed.

I know. I love watching TV. I'm MIT Satellite feed.

And don't worry that you'll lose respect and job security if Asok learns your whole job in one day.

I can't tell if you're an incredibly devious weasel or simply incompetent.

We've negotiated this contract for six weeks and today you double your delivery time?

I can't tell if you're an incredibly devious weasel or simply incompetent.

The problem with these baloons is they break on early.

Don't you know? I told you not to use that with the team against.

I see. Maybe if I wanted you one in private, Win, Win.

I don't think "Accounts Receivable" is an expense.

And don't worry that you'll lose respect and job security if Asok learns your whole job in one day.

Your accounting system is so dysfunctional that the results are meaningless.

How is it possible that nobody has noticed?

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9:00 a.m. - 2:00 p.m. - MIT Annual Vendor Fair, Office Suppliers, MRO, Furniture, Temp Help, Computer Vendors, Internal Providers, and Event Calendar Coordinators. free. Room: Sever Hall Court/Tent outside buildings 54 and 18. Sponsor: Conference Services.

12:00 p.m. - 1:00 p.m. - Mac OS Qick Start. Get started with managing Macintosh applications, overviewing Internet and mid-1990s by the newest Mac operating system. free. Room: N42 Demo Center. Sponsor: Information Systems.

4:15 p.m. - 8:00 p.m. - On the Combinatorics of G2. Refreshments will be served at 3:30 PM in Room 2-349. free. Room: Room 2-388. Sponsor: Combinatorics Seminar.

Saturday, September 15

7:00 p.m. - LSC Presenta: Star Wars Marathon. Star Wars: A New Hope, The Empire Strikes Back, and Return of the Jedi. These films of the original Star Wars trilogy marked a breakthrough in science fiction and special effects. Making over a billion dollars in revenues, the Star Wars franchise is still going strong today. There are no plans to release the original trilogy on DVD, but you can see them at LSC. All films presented in their 35mm theatrical glory, with 6-channel DTS Digital Sound. Come relive the Star Wars saga as all three films are presented back-to-back! Them will be breaks in-between films. See 7:00, 9:30, and 11:59 listings in tonight's TechCalendar.

7:00 p.m. - The MIT Great Glass Pumpkin Patch. Opening reception for an installation of glass pumpkins — all for sale Sept 15-16 from 9am-5pm — to support the MIT Glass Lab. free. Room: Kresge Oval. Sponsor: MIT Glass Lab.

6:00 p.m. - 7:30 p.m. - How to Succeed at MIT and Have a Life Tool. Prof Picard shares her insights on how to balance your life and faith at MIT. free. Room: Student Center Room 407. Sponsor: Graduate Christian Fellowship. -

7:00 - 9:00 p.m. - Fallun Gong Exercise workshop. The Falun Gong exercise is an easy and effective way to relieve stress and improve physical and mental health. Millions of people in over 40 countries practice this 5 sets of gentle movements.

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8:00 p.m. - 11:00 p.m. - Patrol. Shoot your friends! Travel to strange, new class-rooms; meet interesting, unusual people; and kill them. A team game of shoot-em-up; guns provided. free. Room: Building 36, First Floor. Sponsor: Assassins' Guild, MIT.

9:00 - 11:00 p.m. - Hyderabad Brothers. (Carnatic vocalists). Sesha Chary and Raghava Chary with Delhi Sundararajan, violin and Srimushnam Rajarao, mridangam. Sesha Chary conducted by graduate student Eric Gunther at the MIT Media Lab. Essentially a con-cert for the skin, it is a dance you feel instead of see - by hearing music and feeling the a-impact on the listeners. They have received numerous awards in India including the title of "Sangeetha Kalaismamann." They have toured worldwide giving concerts and this is their four tour of the U.S. and Canada. $100, $50, $30, $20 (and $10 for MIT students). Room: Wong Auditorium. Sponsor: MITHAS (MIT Heritage of South Asia).
A weekly guide to the arts in Boston September 14 – 20
Compiled by Fred Choi

Send submissions to arts@boston.com or by interdepartmental mail to "On The Town," The Week, 2W02-63.

Classical Music
Walt Disney Symphony Orchestra at Symphony Hall, Thursday, October 2, 8 p.m.; Monday, October 6, 8 p.m.
Walt Disney Concert Hall, Los Angeles, CA

Blind Tea Party at the Tower Time, Thursday, October 2, 9 p.m.

Radio City Music Hall, New York City, Thursday, October 2, 8 p.m.

Boston Symphony Orchestra at Symphony Hall, Thursday, October 2, 8 p.m.; Friday, October 3, 8 p.m.

The Arts

To embrace its 19th- and 20th-century musical portrait of 19th-century artist Georges Seurat, librettist James Lapine, music by the great Stephen Sondheim. Boston's acclaimed Singer-Songwriters offer a 4 p.m. show.

Sunday in the Park with George

With Sunday in the Park with George, the latest offering from the Shakespeare and Company's "Upstairs at the Millenium." A musical with the music of Stephen Sondheim, "Sunday in the Park with George" is performed at the Boston Conservatory from September 14 to 19. For tickets, call 617-864-0400.

Monday Night at the Tower Time

The Tower Time is a weekly variety show featuring a wide range of entertainment, including music, comedy, and more. This week's show is titled "Monday Night at the Tower Time," and it includes a performance by the Boston Pops Orchestra. The show is held at the Tower Time, located at 1420 Boylston St. in Boston, MA. The show begins at 8 p.m. and is open to the public.

Tuesday Night at the Tower Time

The Tower Time is a weekly variety show featuring a wide range of entertainment, including music, comedy, and more. This week's show is titled "Tuesday Night at the Tower Time," and it includes a performance by the Boston Pops Orchestra. The show is held at the Tower Time, located at 1420 Boylston St. in Boston, MA. The show begins at 8 p.m. and is open to the public.

Wednesday Night at the Tower Time

The Tower Time is a weekly variety show featuring a wide range of entertainment, including music, comedy, and more. This week's show is titled "Wednesday Night at the Tower Time," and it includes a performance by the Boston Pops Orchestra. The show is held at the Tower Time, located at 1420 Boylston St. in Boston, MA. The show begins at 8 p.m. and is open to the public.

Thursday Night at the Tower Time

The Tower Time is a weekly variety show featuring a wide range of entertainment, including music, comedy, and more. This week's show is titled "Thursday Night at the Tower Time," and it includes a performance by the Boston Pops Orchestra. The show is held at the Tower Time, located at 1420 Boylston St. in Boston, MA. The show begins at 8 p.m. and is open to the public.

Friday Night at the Tower Time

The Tower Time is a weekly variety show featuring a wide range of entertainment, including music, comedy, and more. This week's show is titled "Friday Night at the Tower Time," and it includes a performance by the Boston Pops Orchestra. The show is held at the Tower Time, located at 1420 Boylston St. in Boston, MA. The show begins at 8 p.m. and is open to the public.

Saturday Night at the Tower Time

The Tower Time is a weekly variety show featuring a wide range of entertainment, including music, comedy, and more. This week's show is titled "Saturday Night at the Tower Time," and it includes a performance by the Boston Pops Orchestra. The show is held at the Tower Time, located at 1420 Boylston St. in Boston, MA. The show begins at 8 p.m. and is open to the public.

Theater

A Midsummer Night's Dream

A Midsummer Night's Dream is a play by William Shakespeare, first performed in 1596. The play is set in Athens and follows the adventures of Theseus, the king of Athens, and Hippolyta, the queen of the Amazons. The play centers around a group of friends, the fairies, and the god Mercury, who all play a role in the events of the play.

Sunday in the Park with George

Directed by Tony Award winner Stephen Sondheim, "Sunday in the Park with George" is a musical that tells the story of a painter and his muse in 19th-century Paris. The show features a score by Sondheim, which includes such popular songs as "Two Fat Ladies," "Finishing the Hat," and "Rainicorn." The show runs from September 14 to 19 at the Boston Conservatory, 1420 Boylston St., Boston, MA.

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The Theater
Duke’s Wallace To Investigate Handling of Harassment Case

By Sandra M. Chung ASSOCIATE ARTS EDITOR

Dean for Student Life Larry G. Benedict announced that Kathleen C. Wallace of Duke University will conduct a review of MIT’s actions regarding a harassment complaint filed by the late Julia M. Carpenter ’03 against Chuck F. Karpe ’94.

Wallace could not comment on the case in question.

Kenneth Arnold, the father of Carpenter’s boyfriend Zev Arnold, has been in contact with President Charles M. Vest since May 7, and was the first to suggest the policy review on behalf of the Arnold and Carpenter families. MIT responded by appointing a committee, headed by Vest, to review potential investigators.

Benedict was the first person to recommend Wallace for the post.

The committee reviewed and approved the recommendation.

Wallace a seasoned investigator

Wallace graduated from the North Carolina Central Law School, and is a member of the North Carolina State Bar Association, the Association for Student Judicial Affairs, and the Center for Academic Integrity. She was a police officer in Durham, North Carolina from 1991 to 1994, and is currently the Associate Dean for Judicial Affairs in the Office for Student Development at Duke University.

Wallace’s duties at Duke include administering the undergraduate judicial system, serving as hearing officer for violations of the undergraduate code, maintaining student disciplinary records, serving as the undergraduate harassment prevention advisor, and coordinating the school’s peer mediation program.

A trained mediator, Wallace has adjudicated, mediated, or referred various cases like Carpenter’s. She has drawn on her experience as a police officer in her work with emergency response protocols, including those for Duke’s response to student deaths. Wallace said of student deaths, “We have very specific protocols. We identify the people to be notified and which responsibilities belong to which officials in the Student Affairs Office on a case-by-case basis.”

Investigation under investigation

Wallace was deposed in late August, Wallace was briefed on the case. She immediately began research through numerous sources, including recent newspaper articles as well as documentation provided by Kenneth Arnold. She anticipates the need for a trip to MIT to investi- gate some items and conduct inter- views firsthand, although recent events have put such travel on hold for the time being. Wallace is current- ly dealing with the effects of the recent World Trade Center disaster on the student population at Duke, and could not offer an estimate of the duration of her review. “I want to take as long as I need to investigate the situation fully,” she said.

Wallace will write a report detailing her conclusions and recommen- dations, which may help the Office of the Dean for Student Life improve MIT procedures for handling com- plaints similar to Carpenter’s. MIT does not intend to make the report public. However, the Institute will share with the MIT community any changes made to MIT procedure as a result of the report. Wallace will also evaluate the Institute’s response to Carpenter’s death, and may offer suggestions as to how MIT can better respond to student deaths.

Harassment case to be examined

The disciplinary case in question involved Carpenter and Karpe, a fel- low resident of Random Hall at the time. Despite knowing about Car- pertner’s longstanding boyfriend, who is currently a junior at Washington University at St. Louis, Karpe refused to refer matters to a student’s living quarters and the Independent Activities Period, where Karpe’s persistent attention allegedly turned into threats and intimations on Carpenter’s privacy.

Carpenter filed a complaint with the Random Hall Judicial Committee at the end of January, but Commi- ttee tried the case throughout February, but failed to reach a decision. This case was deferred to the Office of Student Life, where Senior Associate Dean for Students Robert M. Ran- dolph moved the offending student to East Campus and appointed an administrative panel to review the evidence and testimony. The panel’s April 20 decision included a provi- sion for the student to move back to Random Hall.

The harassment case was not brought to the attention of the police until after Carpenter’s death. Ken- neth Arnold was the first to inform MIT Campus Police Officer Mary Bath Riley about the incident.

Carpenter reviewed and signed the decision on April 25. In the early morning hours of April 30, she was found dead on the floor of her room. Her death was ruled a suicide by the Office of the Suffolk County Medi- cal Examiner. In a May 14 service in Kresge Chapel, the MIT commu- nity mourned her loss.

A week later, Karpe was accused of violating the student harassment policy, and is currently in the process of being expelled.

CS Experts Aid Needy

CommuniTech Aims to Bridge Digital Divide

By Jing-Helen Tang

CommuniTech, a service group that explores ways to bridge the digi- tal divide and help the community, held an yesterday evening to recruit new members.

The group actively takes part in a national effort to provide access to the latest technology to the needy. Activities range from teaching disad- vantaged families to refurbishing computers. The group also sends stu- dent volunteers to various centers and non-profit organization to help with their computer systems.

Group aids disadvantaged

CommuniTech carries out three major projects: Families Accessing Computer Technology (FACT); CONNECT, and MIT Used Compu- ter Factory (UCF). FACT targets low-income families and provides them with basic computer instruction. Topics for tutorials include opening files, using a computer to surf the Internet, and even writing complaint letters.

CONNECT pairs students with schools and organizations, either to teach children about computers or help with database and website development.

UCF gathers donated computers, refurbishes them, and redistributes them to needy families.

Club calls ‘Course users who care’

Over a dozen students responded to the club’s call for “Course users who care” by attending last night’s meeting.

“I wanted to do something useful in class, I don’t really get to apply things right away,” said Linda X. Hue ’03, a Course VI (Electrical Engineering and Computer Science) major.

Although the meeting was aimed primarily at Course VI students, Jesse N. Jardim ’04, a Course IX (Brain and Cognitive Science) major also attend- ed the meeting after finding out about CommuniTech from the Public Ser- vice Center. “I was interested in find- ing more about it,” he said.

Students who have participated in CommuniTech recalled positive experiences. Paul M. Uramure ’04 described his participation in FACT last year as “very rewarding. The family was very willing to learn about everything.”

CommuniTech hopes to pool MIT’s resources to help the commu- nity of greater Boston. “We are more concerned about making real impact on their regular lives, helping the voluntar- ies getting a satisfying volunteering experience” than about any specific long-term goal, said Bryan P. Adams G, CommuniTech’s founder.

Mission has expanded

“it hasn’t been what I expected,” Adams said. “It was much harder, the confluence of problems on three levels: family, volunteers, and the administration.”

Adams started the group with two Harvard students in January 2000. Originally, it was centered around refurbishing and distributing old computers. Since then, the organiza- tion has expanded its scope to include teaching and developing computer instruction.

People of different socioeconomic classes and residents of rural areas are sometimes given unequal access to technology, particularly Internet access. According to U.S. Depart- ment of Commerce’s Fall Through the Net report, the Internet access rate is 38.9 percent for rural residents, only 19.2 percent for fami- lies in the lowest income bracket (with annual incomes of less than $15,000), and less than 25 percent for African and Hispanic Americans.
By Eun J. Lee
ASSOCIATE NEWS EDITOR

MIT’s Center for International Students held an open forum on Wednesday evening in an effort to help the community understand some of the possible international and societal consequences of Tuesday’s events.

“We’re here to hold a conversation about the new dangers in the international policy arena and the United States’ responses to these dangers,” said CIS Director Richard J. Samuel.

A large audience packed a small lecture hall in building E35. The panel of experts from the CIS included professors from a variety of specialties, ranging from Nuclear Weapons studies to Urban Studies and Planning.

“What happened yesterday under all definitions was a violation of human rights,” said Urban Studies Professor Balkrishnan Rajagopal. “The act ignored all sanctity for human life.”

Experts present personal opinions

Each panel member gave a short speech about the implications of Tuesday’s events before opening up the floor to questions from the audience.

“This attack is going to cost us a lot of civil liberties; we are going to have to change the way we live our lives,” said Political Science Professor Stephen W. Van Evera, who specializes in international affairs and security studies.

The forum’s introduction presented the audience with three key questions which the panel members were examining: Why did this happen? Who might be responsible? What should the United States do now?

“I think the post-Cold War world ended Tuesday,” said Political Science Professor Barry R. Posen. “The United States needs to reassess what it stands for in international politics.

The panel included five faculty members and one graduate student.

The panel members’ opinions were as diverse as the members themselves.

“ Had this been a nuclear attack, we’d be having to face that New York City did not exist at all, so the consequences could be a lot worse,” said Senior Research Associate Alison M. MacFarlane, who specializes in nuclear weapons studies.

“There is no way to stop terrorism 100 percent of the time, and if we are to fight this, we must subordinate other goals in submission to security,” said political science graduate student Jeremy Pressman. “Terrorism is a lot more about psychological warfare than an actual defeat on a battlefield.”

Audience takes part in discussion

Following a statement by each member of the panel, the audience was allowed to ask questions.

The audience included not only students, but also alumni, faculty members, parents of students, and other community members. The top concerns expressed from the audience was the response to the incident by the United States government.

“The president has a difficult decision to make,” Pressman said. “To move too fast, you may end up having someone to retaliate against.”

There was speculation at the forum about the possible culprits of the crime. Also discussed was the possible U.S. responses to the culprits and whether the blame should be placed on a state or an organization.

“If there’s going to be any action, it’s going to have to be a sustained long-term action by means of intelligence, covert, and non-covert operations,” Posen said. “It’s best to think of this as a grinding attrition kind of war that will last for a long time.”

Posen also stressed that any long-term action would need the full support of U.S. citizens, far after the initial shock and anger from the incident has worn off.

“I would like to urge great caution because it would be very easy for the United States to get caught up in the dangers of the cycle of violence,” MacFarlane said.

“I haven’t been impressed about what has come out of many politicians’ mouths for reasons to fight other than revenge,” Samuel said.

One option of retaliation for the United States that was proposed by Professor Van Evera was assassinating individual leaders who were responsible for the act, rather than killing innocent civilians.

“I am personally in favor of lifting the assassination ban enacted by President Carter,” Van Evera said. “On an ethical standpoint, assassination in this case has a stronger moral ground. If you’re going to retaliate, you should punish those who were directly responsible rather than killing innocents.”

However, Van Evera pointed out that political assassination has not been effective when it has been used.

Many of the panelists asserted that the event will catalyze a fundamental change in the way the U.S. shapes its foreign policy.

“What happened Tuesday has a lot to do with how the U.S. has behaved in the last few years,” MacFarlane said. “We need to pay attention to other countries’ reactions to U.S. behavior.”

Panelists suggested that the U.S. reevaluate its role in globalization and its effects on different cultures throughout the world. Some also suggested missile defense projects should not be a priority, since they would not have prevented Tuesday’s disaster.

“Whatever measure is agreed upon needs to be seen as legitimate by the rest of the world, and this may save us from further consequences from our actions,” Rajagopal said.

Others expressed concern over how the U.S. can possibly prevent terrorist attacks while upholding civil liberties.

“I think we should be careful how terms are tossed around,” said Samuel. “All Arabs are not Muslims and vice versa.”

Pressman stressed that limitation of what might come in the new form of new interpretations and stricter enforcement of standing laws rather than the that the passage of new ones.

Political Science Professor Kenneth A. Oye made a poignant statement from his seat in the audience, which was met by widespread applause.

“Will we have the strength to resist the kinds of indiscriminate acts of violence that have been part of our destructive legacy in the past?” Oye asked. “Will the U.S. be able to resist such temptation?”

Students react to discussion

After the forum, many stayed around to continue the discussion with the panel members.

“It was great MIT was able to put this together so quickly,” said Victor K. Malter ’02. “The speakers were good, but I was not impressed with the variety of viewpoints expressed on the panel and lack of Arab or Israeli angles.”

He also said that “it was a great effort by MIT to spark more discussion and awareness about this event.”

Thomas P. Kotwal G said, “The statement that we should expect to see a weapon of mass destruction used in our lifetime was frightening and definitely eye opening. It was very interesting to hear points on assassination versus a more widespread attack.”

At the conclusion of the forum, Professor Samuel promised to reconvene the discussion with another panel from the Department of International Studies in the near future.

“When many of you, I’m more discomforted going out of this room than I was when I came in, but I’m far better informed,” Samuel said.

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<th>Indicator</th>
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American Red Cross

The American Red Cross of Massachusetts Bay is grateful for the tremendous outpouring of support from the members of the M. I. T. community.

Here’s how you can help:

To donate blood, call 1 (800) GIVE-LIFE.

To become a Red Cross volunteer, come to the rescheduled American Red Cross Fall General Meeting at M. I. T. on Monday, September 17 at 7:00 pm in 2-190.

For more information, write arctan-info@mit.edu, visit www.bostonredcross.org or call (617) 375-0700.

ARCTAN is MIT’s official American Red Cross Team And Network
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We will be on campus for the following:
Presentation: September 19
   7:00 pm  
   Room 4-159
Career Fair:
   September 20 & 21
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question of whether this is the proper place to put it, said Jaryn E. Finch '04. "There's always a question of where free speech is allowed. At some universities this would never be allowed to go up."

"I personally would not like it to be put up," said James W. Taylor G, a graduate student in chemical engineering. But given that the administration supports the poster, Taylor said there should be space for opposing viewpoints. "Other people should have the right to respond," he said. "If it truly is free speech, there should be equal opportunity for rebuttal."

Jonathan S. Steckel G, a graduate student in chemical engineering, did not oppose the poster, and believes that students should take charge to express contrary opinions. "If they disagree with it, they should put up a poster next to it," he said.

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7:30 pm
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MIT Department of Urban Studies and Planning

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Putnam Investments  5-7pm  Mezzanine
"Sell Signals You Won't Learn in a Classroom"

Alpha Simplex  7-9pm  6-120
"Finance Made Difficult:
Emerging Financial Technologies"

Boeing  11-1pm  Twenty Chimneys
"Meet the Recruiters"

Capital One  5-7pm  54-100
"Case Interview Workshop"

IBM  7-8:30 pm  4-231
"Learning about IBM"

UBS  5-7pm  Mezzanine
"Trading in the New Era"

NVIDIA  5-7pm  4-231
"NVIDIA Olympiad"
** Prizes for all winners **

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Attendees Converse

Killian, from Page 1

Groups at Killian discuss incident

Following Seneviratne's address, the community split up into groups of ten to fifteen people, each of which was led by a faculty facilitator. Members of each group discussed their feelings about the tragedy, and told personal stories about people they knew who were involved in Tuesday’s events.

For some, this ceremony was the first chance that they had to truly reflect upon the incident. Reverend John Wuestneck, a protestant chaplain, said that his work schedule had not given him much time to think about the significance of this tragedy. “I’ve been working so hard, it didn’t really sink in until the music at the beginning of the ceremony,” he said. Wuestneck said that most students who he has talked to felt that they benefited from Wednesday’s discussion groups.

Chaplains discuss student concerns

Kevin M. Ford, chaplain of the Intervarsity Christian Fellowship, said that many students are still numb from the experience. “There is a lot of shock about what the future is going to bring,” he said. “People are afraid, feeling distracted, angry... I don’t think it has really sunk in for a lot of people,” Wuestneck said. Some students went to school there, passed by that building hundreds of times.” Ford said that everyone needs to make sure that their confusion doesn’t turn them against other people on campus. “Particularly in a case where you don’t know who to be angry at, it’s easy to misdirect your bad feelings,” he said.

Wuestneck worries that the nation may react before we have time to truly think about who bears the full responsibility for Tuesday’s events. “I’m really afraid that we as a nation are going to react too quickly,” he said.

Services available in coming days

The chaplaincy has arranged several services which will support students in the coming days. A bulletin board containing a list of support resources and suggestions for ways to help victims and their families has been placed on the first floor of the student center.

The chapel will remain open this weekend and chaplains will be available on Friday and Monday to provide counseling services to students. The main dining room of building 73 will also be open, allowing people to continue discussion.

Several religious groups have planned services for today, which President Bush has proclaimed a national day of prayer and remembrance. At 12:30 p.m, an Interfaith Prayer Service will be held in the MIT Chapel, and at 6:15 p.m, the reflecting wall at MIT will be dedicated.

Pilot Program May Pave Way
For Larger Computing Changes

D. Long, senior strategist in Academic Computing.

Meanwhile, students enrolled in 1.00 will be paired up and instructed to “figure out how to share the laptop,” Long said. Students taking part in the TEAL program, the version of Physics II (8.02T) which has replaced the standard electricity and magnetism course usually offered in the fall, will interact with their laptops as part of their laboratory equipment. Each team of four to six students will be assigned a computer for use in a project-based setting.

Project an educational experiment

If the laptop program succeeds during initial tests, it could usher in the largest changes to campus computing since the completion of Project Athena in June 1991. “The idea is to accommodate different goals,” Kumar said. “We want to move the computing environment to a stage where education is not reliant on the physical location of computing equipment, for example, Athena clusters.”

“One-to-one computing is the vision we are trying to paint,” Kumar said. “We envision a transformation in the clusters to a much more mobile, heterogeneous environment.”

Still, no concrete plans for expanding the program are currently being discussed. “The outcome has not been determined,” Long said. Among the issues yet to be resolved are the availability of the infrastructure necessary to support such a wireless network and the basic question of whether students need the laptops at all.

“It’s not like this is a step to some master plan,” Long said. “We realize that the program is not for everybody. We are instead using this in the true sense of inquiry.”

Welcome Back

Computer Associates would like to welcome back the students of Massachusetts Institute of Technology.

We would like to thank Chon Ng Justin Paluska for their lasting contribution as 2001 Summer Interns.

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Engineers Finish Week at 3-0

Soccer, from Page 24

Instead finish a goal without any help from Fitchburg, Morrison scored again less than a minute later. Morrison beat a number of defenders on the dribble before her placement past the keeper. The score at halftime was 3-0 in favor of the Engineers. Vang record- ed three saves for the Engineers in the first half, and the solid defensive play of the back unit of Paola L. Naesser G. Clinton, and Lyulia A. Hellwell 05 and Ains Yonekura 05 held so strong the keepers saw no more action in the game.

The second half scoring was opened in a moment of deja vu as Griffin found another Perlmutter corner. This goal was different from their first connection, how- ever, as Griffin’s finishing touch was a driven header. The scoring was rounded out by Hellwell’s first collegiate goal as she blasted a low ball through a seemingly impenetrable mass of players on the ground. The final score read 5-0 in MIT’s favor.

Engineers Beat Eastern Nazarene

On Saturday MIT traveled south to Quincy to face Eastern Nazarene College. From the first whistle, MIT controlled play by passing the ball swiftly around the field and hammering the Eastern Nazarene goal. Despite the constant barrage of shots, the Eastern Nazarene goalkeeper’s solid play coupled with a number of MIT near misses, kept the game scoreless until the 22nd minute. Griffin put in a rebound shot off the post to score the first goal of the match. Although MIT still controlled play, they did not score again until almost 20 minutes later, when Wilson and Joanne M. Natsu 05 took a quick corner kick before Crusaders’ defense was organized. Griffin was, as always, alert and in the right place to volley Natsu’s shot into the net.

Less than a minute later and with only a few minutes left in the half, Mendelowitz gathered a lovely through ball from Morrison to score the third and final goal of the half. The second half scoring for the Engineers began early, as Morrison dribbled by a pair of defenders on her way to scoring MIT’s fourth goal in the second minute of the half. Ten minutes later, Cen-Chia Tam 02 lead Perlmutter with a well served pass into the box. Perlmutter finished just out of the goalkeeper’s reach at the lower far post. Another ten minutes later, the favor was returned to Tam from Mendelowitz as Mendelowitz sent a through ball that Tam shot past the keeper’s near post. Stephanie A. Clausen ’05 would soon punctuate the scoring with MIT’s seventh and final goal as she blasted to receive a well placed cross from Katie Ban Krak 02. Then steamed off a defender and rocketed a shot the keeper could not handle. The MIT defense held strong all game, and didn’t allow any shots on the MIT goal. The final score was 7- 0 MIT. MIT goes into the second week of the season with a 2-0 record.

Newark, from Page 24

of the tournament, there is a repeat winner at the Union College Men’s Soccer Invitation, and that team is the MIT Engineers. Coach Walter Atalay’s team followed up on its win in 2000 with a 1-0 defeat of Rensselaer and a 2-0 victory over the hosts. Nicholas R. Nepe 04 scored the only goal in Saturday’s contest with Rensselaer. Sean Polan 03 pitching the shutout in goal. Sunday’s game winner was scored by Robert Piliwalski 03 on assists from Neple and Robert M. Reed 02. Reed tallied the insurance goal, as Morgan Mills 05 earned the shutout. Sweeper Ropy E. Foster 04 was singled out by Alexei for his outstanding play all weekend, and was named the New England College Men’s Athletic Association’s Player of the Week.

The MIT women’s volleyball team has opened the 2001 season with strong efforts in two tournaments. Only seven of the players took part in the championship of the Gordon College Invitational Tournament for the first time in the four years in which the Engineers have competed in the tournament. Kelly A. Martens 03 was named to the tournament most valuable player, Teammate Christina Almadoe 02 was an all-tournament team selection. Both Martens and Almadoe were also named to the all tournament team at the Franklin & Marshall Invitational, where the Engineers took second place. Martens recorded her 1,000th career kill in the Gordon Tournament, and was named the NEWMAC Player of the Week.

The Women’s basketball team captured the first three spots, and eight of the top eleven finishers in running order to the trophy in the previous eleven years of competition for the Engineers’ Cup with WPI and Rensselaer. Sean P. Nolan 03, was the individual winner completing the sweep for the Engineers.

• After 28 years of not defating Brown University in water polo, MIT has defeated the Bruins twice in the past two years. The Engineers clinched a 5-2 victory in the Harvard University Invitational last weekend.

Coach Peter D. VanBurek 04 was thrilled for MIT with 14 saves, 4 steals, and blocked a penalty shot.

The summer proved to be successful for two members of the MIT coaching staff. Assistant sailing master Mike Kahl took third place of 111 competitors at the Canadian Olympic-training Regatta at Kingston (CORK), ONTARIO. CORK is one of several regattas in which sailors earn points to qualify for the world championships, which will be held in San Francisco next year. Women’s ice hockey coach Kelly Pauskewich showed her versa- tility by ruling for 174 yards and two touchdowns on 19 carries in the New England Storm’s 20-6 victory over the Syracuse Sting in the Women’s Professional Football League opener for both teams.
Women's Soccer off to 3-0 Start
Engineers Defeat Tufts, Fitchburg State, and Eastern Nazarene

By Melissa Hart

The MIT Women's Soccer team took the field for the first time of the season. After a strong showing in the pre-season, the Engineers dominated their non-conference opponents, Tufts University and Fitchburg State and Eastern Nazarene College.

On Saturday, September 15, MIT faced the Tufts University Yellowjackets. The game started off with a bang, as Rebecca E. Goldstein '03 scored MIT's first goal of the season within the first five minutes, followed by two more goals before the half. Despite a Tufts' attempt to get back into the game, the Engineers' defense held strong, securing a 3-0 victory.

On Monday, September 17, MIT traveled to Fitchburg State, where they faced a packed crowd. The game was a back-and-forth affair, with both teams putting up a strong fight. However, the Engineers emerged victorious, with nine goals scored in total. Rebecca E. Goldstein '03 scored her second goal of the season, contributing to MIT's impressive win.

On Wednesday, September 19, MIT faced Eastern Nazarene College. The game started off with a strong performance by MIT, with Rebecca E. Goldstein '03 scoring her third goal of the season. The Engineers continued their dominance throughout the match, with nine more goals scored in the second half. The final score was 10-0, solidifying MIT's victory.

Overall, the Engineers showcased their dominance on the field, with a total of 24 goals scored in just three games. Their defense held strong, allowing only one goal against Eastern Nazarene. The Engineers now look forward to facing their next challenge, as they continue their season with high hopes and ambitions.