No Required Classes During IAP

Physics Dept. Will Require Class of '98 to Take New IAP Classes

By Venkatesh Satish

THOUGH the calendar changes made in spring 1995 allow departments to offer one requirement exclusively during Independent Activities Period starting with this academic year, departments have made few efforts to do so for IAP 1995.

“We’ve had some inquiries, but nothing is in place this year,” said Professor of Media Arts and Sciences Stephen A. Benton ’63, who heads the IAP Policy Committee. There are a number of reasons for the slow progress, one of which is the time it takes to adapt current required courses to the IAP format, according to Benton.

“The best use of IAP for required courses is going to require a modularization of courses that doesn’t exist yet. . . . I think in ideal course in six units, and there aren’t a lot of six-unit courses on hand.”

Another reason for lack of such required courses this IAP is that departments cannot force students to take the class in a specific year, Benton said. “It’s very difficult to think of a required course that doesn’t have to happen at a precise moment in a student’s career.”

Also, “there’s still the issue that the [class] should be a course for IAP, not just a compressed lecture course.” These factors make it challenging to create required classes for IAP, Benton said.

Currently, the physics department is the only one that has concrete plans to offer mandatory courses exclusively during IAP, Benton said.

Physics will offer IAP lab

During IAP 1995, the physics department will offer Advanced Project Laboratory (8.122), a course that emphasizes computational experimentation, said Professor of Physics Haie V.D. Bruch Phd ’61.

The laboratory course is one part of an entire curriculum revision in the Department of Physics, which will involve the addition of several courses in subsequent years, Bruch said. The project lab will feature computerized data-taking and analytical capabilities in an effort to bring students closer to real life experimentation.

The rationale behind the change was to provide more theoretical background and add exciting topics, such as special relativity, to the physics program, Bruch said.

Physics majors in the Class of 1998 and future classes will have to take either 8.122 or Advanced Classical Mechanics (8.21), both six-unit classes at the graduate level, according to one of their IAPs, Benton said.

Another motivation for requiring courses over IAP was to give students time to focus on a single subject, Bradt said. “If someone immerses themselves in a topic for four weeks, it’s a rich experience.”

A further reason is that more faculty are available to teach classes during IAP, Bradt said. “The MIT budget is squeezing the departments,” so maximizing resources was a factor, he said.

Bradt said that adding a six-unit course would not be too much of a deterrent to a student and would not force him to move out, he said. “It’s very hard at the moment to say what I am going to do.”

“Cambridge is the most affected by the elimination of rent control,” Patton said. Most graduate students who live off campus live in Cambridge or Somerville. In Somerville, “rent is generally lower.”

Some students think that they will have to move out of their apartment if rent control is abolished. “I don’t think that I can afford an increase in my rent,” Heinrich J. Schwarz G said.

Schwarz currently pays $475 per month for his Cambridge apartment. “More than a percent increase” would force him to move out, he said. “It’s very hard at the moment to say what I am going to do.”

Rent Control, Page 17

This is the last scheduled issue of The Tech for 1994. The Tech will be published on the four Wednesdays of Independent Activities Period: Jan. 11, Jan. 18, Jan. 25, and Feb. 1. Advertising and letters for these issues are due Monday at 4:30 a.m. Regular Tuesday-Friday publications will resume Feb. 7.

Inside

• Students win Marshall Scholarships

• De `ato hosts tournament
Clinton Campaign Should Refund $4.1 Million, Federal Auditors Say

WASHINGTON

Federal auditors recommended that President Clinton's 1992 campaign repay the Treasury a record $4.1 million because they said the campaign had erroneously claimed $12.5 million in federal matching funds, which was the main target of the auditors' criticism. They determined it owes the Treasury $3.8 million in federal funds should, repay $254,946, they said.

Serial Bomber Sent Latest Device From Bay Area

LOS ANGELES TIMES

The package bomb that killed a prominent New York City prosecutor on Christmas Eve was mailed a week earlier by an elusive serial bomber whose devices are becoming increasingly sophisticated, the FBI said Tuesday.

The FBI has offered a $1 million reward for the capture of the bomber and, for the first time in its history, has posted a notice on the Internet appealing for leads in the case.

The bomber, believed to be a white male, has mailed or planted 15 explosive devices spanning the continent from the University of California, Berkeley, to Yale University, killing two and injuring 23 since 1978.

Weather

A Chilling Outlook

By Gerard Reo

SAN FRANCISCO EXAMINER

The sprawling map of Republican presidential candidate Newt Gingrich's "Contract with America" has an unusual alliance of left and right, which, some authorities believe, could actually make up the Russian Federation.

The Dow Jones average, the New York Times said Tuesday, is in the same boat. The Dow will demonstrate publicity its "Wall Street Network" for the first time, it is now booked up to just five homes; plans call for 4,000 to be boasted by the middle of next year. A $2,000-a-month fee will be charged to the network. For $2,000-a-month fee will be charged to the network.

WEATHER

Clear in the morning but clouds building up during the afternoon. Winds from the northeast at around 16-18 mph (1/4-1/3 of speed of a gust of 27 mph (34 knots).
Economists Fear Middle-Class Tax Cuts Will Increase Deficit

By Clay Chandler

WASHINGTON

Both congressional Republicans and President Clinton are plugging a middle-class tax cut, and many economists said Monday they feared such a move would result in an overheated economy and a growing federal budget deficit.

Clinton and his advisors met Monday to review options for a tax cut proposal of about $50 billion to $60 billion over five years as part of preparations for the fiscal 1996 budget submission. House Republicans have proposed a $500-per-child tax credit estimated to cost the tax bill for 50 million families by $100 billion over five years.

While there may be political benefits in cutting taxes for middle-class families, many economists said they could see little economic rationale for the move at a time when the economy is operating close to full capacity and the Federal Reserve is aggressively raising interest rates to slow economic growth.

"Consumer spending is already running at a boozier-like pace," said Stephen Roach, chief economist at Morgan Stanley. "The last thing we need to do now is pour more fuel on the fire."

IBM Halts Sales of Computers Using Flawed Pentium Processor

By Elizabeth Corcoran

WASHINGTON

Concerns about Intel Corp.'s flawed Pentium microprocessor cranked into an industry frenzy Monday when International Business Machines Corp. announced that it would suspend sales of personal computers that use the chip.

IBM contends that people who use Pentium-based computers are more likely to encounter errors than Intel has suggested. Some news ran a typical "off-the-shelf" spreadsheet program might get an inaccurate result as frequently as once every 24 days, according to IBM estimates. Intel maintains that the typical Pentium user would only have a problem once in 27,000 years.

IBM's announcement had a dramatic impact on Intel's stock. It dropped $4.25, or about 6 percent, in the space of an hour, leading to a suspension of trading for more than two hours. It gained back some of the loss when trading resumed, closing at $63.37 1/2, down $2.37 1/2.

Monday afternoon, Intel's president, Andy Grove, issued a statement dismissing the IBM results. "You can always contrive situations that force this error," Grove said. "In other words, if you know where a mortar will land, you can go there and get hit."

"If IBM's contention was right, the problem would have shown up thousands of times," Grove said late in a conference call with analysts. "It hasn't." Some analysts said that IBM has special reason to criticize the Pentium processor. The company co-developed a competing processor, the PowerPC chip, and has vigorously promoted it as an alternative to Pentium. In addition, IBM does a relatively small business in Pentium-based PCs, accounting for only about 100,000 of 4 million Pentium computers sold.

IBM remains alone among the big companies in suspending sales (it said it would resume them when the chips were corrected). Gateway 2000 Inc., Dell Computer Corp. and Compaq Computer Corp. said they will continue to ship Pentium machines.

"Before all of this hit the press, we had not had one single call about this anomaly occurring, and we sell more Pentium computers than anyone else in the United States," said Wendell Watson, spokesman for Gateway 2000 of New York City, South Dakota.

Asteroid Comes Within 65,000 Miles of Earth

WASHINGTON

An asteroid about the size of a small school bus narrowly missed whizzing Earth Friday, a University of Arizona astronomer said.

How much damage the object would have caused if it collided with Earth is unknown but would have depended upon the size of the asteroid, named 1994 XM1, and where it hit.

James V. Scotti, a University of Arizona astronomer, discovered the asteroid early Friday, about 14 hours before it passed within 65,000 miles of the planet - the astronomical equivalent of a near collision of two cars in an intersection.

Scotti used the Spacewatch telescope at Kitt Peak, Ariz., to view what is the closest encounter between Earth and an asteroid that astronomers have observed - in real time. He and other astronomers there systematically scan the heavens for roaming asteroids and comets that appear to be headed close to Earth.

In May 1993, another University of Arizona astronomer, Tom Gehrels, discovered an asteroid that came within about 93,000 miles of Earth.

Scotti said the asteroid that came close Friday was about six to 13 meters in diameter, or about the size of a large minivan or small school bus.

Energy Department Told To Prepare For Cuts, Elimination

WASHINGTON

The White House, seeking major budget cutbacks to help pay for a middle-income tax cut, has directed the Energy Department to prepare options for at least a 20 percent reduction in funding to be announced at 5:30pm in 5U-2Lzz and aeda.

Wednesday, December 14

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GSC Lounge 5 pm - ?

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OPINION

Proviton Wrighton Just Doesn’t Get It

Column by Dan Dunn

ASSOCIATE NIGHT EDITION

Proviton Mark S. Wrighton just doesn’t get it. It’ll get to what he does get if he only tries.

Wrighton recently appointed a search committee to find a replacement for Dean for Undergraduate Education and Student Affairs Arthur C. Smith. “Why,” you ask, “should I care about this dean, a good person, and that one is that easy to answer. He is the policy maker on dormitories, independent living groups, student counseling, minority affairs, residence and Orientation Week, and the freshman experience in general.

If there is one person who affects your daily life here at MIT, it is this dean. Not to mention that the dean is the only spokesperson for undergraduates on the Academic Council, the Board of Overseers, and the Faculty of the Institute every Tuesday morning.

Back to the provost and the search committee. For Wrighton to appoint a committee to the “great,” you say, “my thoughts and opinions as a student are centered around your very important committee. So what’s the problem?” The problem is the provost and anyone else students who were chosen. At no time did the provost or anyone else ask a student reader (or a student organization, or a student group that would) who they would like to see on the committee.

A little history about the provost and search committees. In 1990, Provost Wrighton chose the committee to find the new dean of the school of engineering. He chose not to put any students on the committee, because, as he put it, students “would not offer a unique perspective, and thus was unsure whether students would be valuable members of the committee” (“Provost, ‘Which’ Committee to the Tech, Nov. 6, 1990.”) Pretty revealing statement, isn’t it? Students not having a unique viewpoint?

“Wow,” you say. “This guy is really out of touch.” Yes he was, and, as I argue here, he is.

As you can imagine, there was a lot of talk over at MIT the statement. Wrighton still didn’t put any students on that search committee, but he put students on the search for the dean of the school of science the following year, and at least two other committees since then.

Let’s talk for a minute about the way that Wrighton should be choosing students. Every other faculty committee, from the Committee on Discipline (they can expedite you) to the Committee for Academic Performance (they can expedite you) to the Committee on the Undergraduate Program (they just make your life hell) goes to the Graduate Student Council or the Undergraduate Association. These organizations have committees that interview interested students and send a list of possible names to the chair of the committee.

It is easy to understand that sometimes the process takes a long time for the interviews to operate properly. In those cases, it is reasonable for the dean or committee to contact the students you call up some student leaders (the presidents of the UA, GSC, Interfraternity Council, and the

Dunn, Page 5

housing proposal not an insensible idea

Column by Michael K. Chung

OPINION

Column by Michael K. Chung

STAFF ANSWERS

There’s been a lot of talk about this next proposal, maybe too much talk. This song is not a rebellion song; this song is “Sunday, Bloody Sunday.” “Declared Bono, lead singer of U2, in a live recording at Red Rocks Stadium in the early eighties.” According to the recent proposal to move Senior House and East Campus residents to Ashdown House, there has been a lot of talk, but not surprisingly, a lack of initial discussion of the proposal.

If this proposal is passed and carried out, it would have made sense, right? To group all undergraduate students living in dormitories, Senior House houses 157 students, East Campus and Senior House dorms, the graduate dormitories when you arrive at MIT, it would have made sense, right?

To move from the present situation to the proposed arrangement is bound to generate conflict, especially for those who are currently living in any of the dormitories. A glance at the numbers of students at each dormitory will quickly reveal some logistical problems: East Campus houses approximately 400 students, Senior Houses 157 students, and Huntington Hall 200 students.

For instance, the location of a new group of dormitories along the west side of campus may reveal something of the administration’s intent. If there is one person who affects your freshman experience in general, Provost Mark S. Wrighton just doesn’t get it.

Letters and cartoons must hear the author’s signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express permission of the editor. For other matters, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person.

To Reach Us

The Tech’s telephone number is (617) 253-1541. Electronic mail is the easiest way to reach any member of the Staff. Mail to specific departments may be sent to the following addresses on the Internet: ads@the-tech.mit.edu, news@the-tech.mit.edu, sports@the-tech. mit.edu, online@the-tech.mit.edu, news@the-tech.mit.edu, info@the-tech. mit.edu, arts@the-tech.mit.edu, photos@the-tech.mit.edu, circulation@the-tech.mit.edu (circulation department). For other matters, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person.

December 13, 1994
Dorm Proposal Concerns Well-Being of Future Students

Chung, from Page 4

(maximum of 160), and Ashdown is home for 381 students (maximum of 420).

We should ask why the provost chose one, the current dean, and the president. That their opinion is being heard and taken into consideration. Thankfully for them, MIT students are usually too busy to challenge their records in the student involvement department.

Some students were presented with a fair amount. The chair of the search committee, Professor of Materials Science and Engineering Linn W. Hobbs, said “The students selected were chosen after wide consultation with various interested parties, including the dormitory council, the students, and the provost. This is to ensure a fair representation of student opinion with surety. Only if the provost chooses one, the current dean, and the president.”

There are many unanswered questions and issues regarding the proposal and its potential passage. For example, if more dormitories are built, more students could possibly be admitted to MIT. Of course, all of this requires a bit more planning by the departments, administration, and the planning office regarding faculty size, laboratory space, support staff, and so forth.

Also, the possibility of moving independent living groups to a new beacon of dormitory and houses in Boston and offer new houses, in Cambridge, to the respective ILGs?

If new dorms are built, then MIT would be considerably less dependent on the Greek system for housing its students. Of course, this would put the fraternity system in more of a pinch, but if the MIT administration has volunteered the ILG houses, there is the possibility that considerable strain could be relieved from the entire system.

Without question, this proposal has great potential to forever change the face of student living groups to a new beacon of dormitory and houses in Boston and offer new houses, in Cambridge, to the respective ILGs?

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THE ARTS

Harvard soloist overshadows MIT Symphony

MIT SYMPHONY ORCHESTRA
Kresge Auditorium.
Dec. 10, 8:30 p.m.

By Thomas Chen

T
two 20th-century Russian composers were featured in the MIT Symphony Orchestra's concert on Sunday night at Kresge Auditorium. Under the direction of conductor David Epstein, they played Serge Prokofiev's Piano Concerto No. 3 in C major, Op. 26 and Dmitri Shostakovich's Symphony No. 5 in E minor, Op. 47 (1937).

The soloist in the Prokofiev concerto was Harvard sophomore Sophia Chen. Although Chen played fabulously, the orchestra could not approach her stunning virtuosity and encountered several moments of insecurity and inadequacy. Luckily, the MIT players did recuperate enough to provide an exciting (if not slightly approximated) account of the Shostakovich symphony.

Similar to Mozart and Beethoven, Serge Prokofiev (1891-1953) was a "pianist-composer"; that is, he made a substantial career as a piano virtuoso and also wrote music in many different genres. The third concerto was intended for an American tour in 1921 which also included the premiere of his most popular opera, The Love for Three Oranges. Of his five piano concertos, only the third has a "typical" three-movement structure.

As was the case with many other 20th-century Russian composers, Prokofiev often had to contend with the Soviet government over many aspects of artistic ideals. His music is often characterized as "motoric," percussive, sarcastic, and — at times — harsh. Indeed, the composer's demands. Although Shostakovich ultimately later treated these demands more sarcastically (e.g., Ninth Symphony), the Five Symphony has remained a popular work despite the external circumstances influencing its composition.

Typical of Shostakovich, the Symphony No. 5 contains many passages of stark textures and jagged melodies, where the strings are set apart. Although the piano concerto for him- self, the demand placed on the soloist are sensitive ears for clarity and a non-nonsense feel for rhythmic vitality.

With plenty of hand-over-hand runs and two-flatted dissonces with the orchestra, Chen astounded the audience with her spectacular pianism. Her delivery of the richly harmonized first variation of the second movement was absolutely ravishing to hear. Furthermore, she showed that she is an excellent chamber musician too, resounding several times for a seemingly confected orchestra (e.g., mimetized cymbal crash at the beginning of the second variation). She also seemed to recalibrate during the last bars of the finale where the orchestra began to play nervously.

Although Maestro Epstein rarely tuned to look at his young soloist, Chen graciously took her cues from the conductor. The combined technique and musicianship, weaving her technique and keen musical insight. As an accomplished pianist himself, Shostakovich could probably be characterized as more of a "composer-pianist." Probably more than Prokofiev, Shostakovich (1906-1975) was the "tormented soul" of 20th-century Russian music. Much of his personal anguish is heard in his 15 string quartets. Moreover, history records his devastation when Stalin attacked his opera Lady Macbeth of the Mtsensk District (which, indeed, hint that remember him if a Madonna music video).

The Fifth Symphony has been described as "a Soviet Artist's Reply to Just Criticism," represented Shostakovich's capitulation to his govern- ment's demands. Although Shostakovich could probably be characterized as more of a "composer-pianist." Although Shostakovich ultimately later treated these demands more sarcastically (e.g., Ninth Symphony), the Five Symphony has remained a popular work despite the external circumstances influencing its composition.

Aside from the fine performance by Sophia Chen, the MIT Symphony Orchestra delivered a moderately acceptable performance of the Shostakovich. Their account of the Shostakovich symphony was far superior to the rough-house accompanying in the Prokofiev concerto.

The orchestra is definitely much more sympathetic in the previous concerts — for example, the Walton Viola Concerto and the Verdi Requies, Rumer has it that they will be performing again with the MIT Concert Choir next semester and it will be interesting to hear if accompanying a chorus readily improves the orchestra's sound as it did last semester.

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Bon Jovi satisfies fans, but not themselves, on new CD

CROSS ROAD

There's no use denying it: Back in junior high or middle school, Bon Jovi was the hottest rock band around. With its 1986 release entitled Slippery When Wet, the band leaped into the realm of the music charts, and Jon Bon Jovi and company proceeded to conquer MTV and top 40 radio with their slick, glam-rock sound. And, of course, there was an urgent to Bon Jovi's defiant anthemes, "Livin' on a Prayer," that is still kind of refreshing.

Though I personally never bought an album or a t-shirt, I grew to enjoy Bon Jovi's music if I heard it on the radio. In short, Bon Jovi's phenomenal rise in the 1980s reflected the surging popularity of soft-core glam-metal/glam-rock bands (Poison, Winger, etc.) who took their primary musical influences to the heights that they once reached in the 1980s. It'll take more than a few comeback tours in small clubs (like a performance here in Boston last week) for Jon Bon Jovi to consolidate gains with his audience, to have any hopes of reliving the glory days once again.

As for Bon Jovi's future, it seems questionable. All band members are quick to point out that Keep the Faith was a "transitional" or "experimental" record that didn't explicitly seek to relive the glories of the band's previous two albums. For some groups, the next album after a greatest-hits release is a failure, and some of Jon Bon Jovi's contemporaries (Motley Crue and Poison, to name a few) have faded to near-extinction in the collective memory of the music-buying public.

Although Jon Bon Jovi and guitarist Richie Sambora have both pledged a more coherent and socially-aware set of songs for the next album, one feels that they can never achieve the heights that they once reached in the 1980s. It'll take more than a few comeback tours in small clubs (like a performance here in Boston last week) for Jon Bon Jovi to consolidate gains with his audience, to have any hopes of reliving the glory days once again.

The members of Bon Jovi, who recycle the hits of their career on Cross Road.

SUMMER 1995

RESEARCH EXPERIENCES FOR UNDERGRADUATES

MIT HAYSTACK OBSERVATORY

Undergraduate science, mathematics, and engineering students are invited to apply for summer research projects at the MIT Haystack Observatory. Research projects include radio astronomical studies, atmospheric physics investigations, and hardware and software development for data acquisition, processing, and recording systems. The positions are nominally three months in duration (June-August) and carry a stipend of $1300-1500/month depending on academic level and experience. The Observatory is located in the nearby town of Westford, MA, and is open to students with disabilities. Applications are encouraged to apply. For further information and application materials write to:

Director /REU Program
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O'Neill Research Center
Westford, MA 01886-1299

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Application deadline is 1 February 1995.

The dormitories at MIT are located in Cambridge, Massachusetts, not in Cambridge, England. The text is written in English.
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Three from MIT Win Marshall Scholarships

By Sarah Y. Keightley

Danielle C. Goodman '95, Lik Mui '94, and Jeffrey M. Tomasi '95 were named Marshall scholars, along with 37 other students nationwide, said Professor of Materials Science and Engineering Linn W. Hobbs.

More MIT students were granted scholarships this year than in the past several years, according to the MIT News Office.

The British Marshall scholarships allow American citizens who have recently graduated from a four-year university to study at a school of their choice in the United Kingdom.

Each award pays for two years of schooling, and can be extended for a third year. The scholarship includes tuition, a personal allowance, and travel costs to and from Britain, totaling on average about $22,000.

"It's really great for MIT to have three people," Goodman said. "It's a really good reflection on MIT, and all the work Professor Hobbs does for the program."

"MIT is very successful, as it should be," Hobbs said. "The cream of the university is here, and I'd be surprised if we didn't do well."

"I knew that I wanted to take some time off before entering medical school, and I wanted to have the opportunity to study abroad," said Goodman, who is majoring in political science and is currently a first-year medical student specializing in pediatrics or obstetrics and gynecology.

In her application, Goodman wrote that she wants to work toward a master's degree in public health at the University of Edinburgh. This would enable her to pursue her interest in public health problems in different nationalities, she wrote.

"I had never even heard of the scholarship until this year," Tomasi said. "I had never even heard of the scholarship until this year," Tomasi said. "I just want to do some traveling. I've never done much traveling so this is going to be a great opportunity for me," Tomasi said. "In the future I hope to use my experience gained in Britain as an active researcher involved in public health research," he wrote."

Jeffrey M. Tomasi, a junior majoring in physics at Cambridge University, would like to continue studying physics at Cambridge University, and become a four-year member of the MIT heavyweight crew team, he hopes to continue rowing in England.

"My crew coach went to Cambridge, and he told me a lot of great stories about rowing and the atmosphere there after I initially had the impulse" to apply, Tomasi said. "My crew coach went to Cambridge, and he told me a lot of great stories about rowing and the atmosphere there after I initially had the impulse" to apply, Tomasi said. "In the future I hope to use my experience gained in Britain as an active researcher involved in public health research," he wrote."

"In the future I hope to use my experience gained in Britain as an active researcher involved in public health research," he wrote."

Marshall, Page 19

Happy Holidays from The Tech

Holiday Sale

10% Off Prescription Glasses

Prescription SunGlasses

20% Off

sale runs through December 31, 1994

MIT Optical

Open 9am-6pm, M-F
Stratton Student Center
617-258-LENS
Quality eyewear at reasonable prices

1994 FRAP Participants:

You've got until December 31 to use it or lose it.

Check out now before it's too late. We'll help you look good and see well into 1995.

HOLIDAY GIFT BOX

Toys, New Clothing, and Non Perishable Food Items can be Dropped Off at MIT Campus Police Station, Networks, Losdell Food Court, Walker, and Refresher Course

Bring Happiness to an Underprivileged Family This Holiday Season

Toys, New Clothing, and Non Perishable Food Items will be Collected Monday, November 28 through Wednesday, December 21

Contributions will be donated to Cambridge area Agencies

Sponsored by MIT Campus Police, MIT Food Service and
WANT ED:
YOUR FAVORITE PROF

The Everett Moore Baker* Memorial Foundation is (Still!) Accepting Nominations for

THE BAKER TEACHING AWARD

Nomination forms available in the Baker Foundation mailbox in the UA Office (W20-401) or e-mail baker.foundation@mit.edu

Don't miss this chance to reward good teaching!

DEADLINE: DECEMBER 16, 1994

*M.I.T. Dean of Students, 1947-50

IAP jobs continuing as part-time in the spring semester

Consulting assignments assisting clients in using advanced object-oriented tools.
- Convenient location - 219 Vassar Street
- Flexibility in work schedule
- Salary $10 - $15 per hour
- Applicants must know C++ and be familiar with object-oriented development methods.

Send resumes to:
Cambridge Technology Group
219 Vassar Street
Cambridge, MA 02139
Fax: 617/499-1777
Before you need to make a single payment, ski season will have passed, the groundhog will have seen his shadow and you'll have consumed your body's weight in pepperoni.

**MIT Computer Connection, Student Center, W20-021**
253-7686, mcc@mit.edu

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'Tis the season for giving and receiving.

The Computer Connection just made the joy of giving even more pleasurable. Because from now until January 31, 1995*, when you buy an HP LaserJet 4L printer for yourself or someone else who's been very, very good this year, not only do you get an incredibly dependable printer but you also get a little something in return: $100 cash rebate direct from HP. So now, when you give the printer that prints professional-looking documents with the quality you'd expect from HP, you also get something unexpected back. Giving and receiving, it's what the season is all about. To find out more about the HP LaserJet 4L printer and the details of the HP Holiday $100 Rebate, call or come in today. Don't delay! This offer ends January 31, 1995.

* $100 rebate direct from Hewlett-Packard when you purchase the HP LaserJet 4L printer from 10/28/94 through 1/31/95.
Bates College Earns Victory in Debate Tournament at MIT

By Don Lacy

On Friday, Dec. 2 and Saturday, Dec. 3, the parliamentary debate team hosted its third annual debate tournament. The event attracted 16 teams from schools such as Harvard University, Princeton University, and Yale University, according to team President Anand R. Radhakrishnan '96.

A team from Bates College composed of Quoc Tran and Chris Tine defeated Princeton's Doug Kern and Gwen Snorteland in the tournament's championship round. The case set forth by Bates, in keeping with a tradition of offbeat final round topics, was that parents should not tell their children that Santa Claus is real if they ask. Princeton countered by arguing that such a policy would be detrimental to the spirit of Christmas, and during a section of the round where speeches from non-competitive individuals are allowed, a member of a team from Harvard argued that both teams were mistaken in their assumption that Santa Claus does not exist.

President Radhakrishnan countered by arguing that such a policy would be detrimental to the spirit of Christmas, and during a section of the round where speeches from non-competitive individuals are allowed, a member of a team from Harvard argued that both teams were mistaken in their assumption that Santa Claus does not exist.

A panel of seven judges from MIT eventually gave the win to Bates. "For starters, the hours are flexible. If I can work just about anywhere," said Radhakrishnan, adding that Tournament Director Cynthia V. Santillan '96 deserved much of the credit for the invitational's success. "We're also grateful for the many student volunteers who pitched in and helped to judge," he said. In accordance with APDA protocol, no MIT teams competed in the tournament.

Career opportunities at J.P. Morgan in Asia

A dinner by invitation only, for MIT graduating seniors and qualifying Juniors, will be held on Thursday, February 9, with an on-campus interviews scheduled for the following day for full time and summer intern positions in

Corporate Finance
Sales, Trading, and Research

Candidates must be fluent in English and an Asian language and be willing to be based in Singapore, Hong Kong, or Tokyo.

Interested candidates should fax a cover letter and resume to: Lynn Artiaballe at (212) 645-5145 by January 12.

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"Running my own business definitely has its benefits."

For starters, the hours are flexible. If I feel like taking a break from running the business to run a mile—no problem! Not to mention, the commute is a snap. In fact, with my portable computer, I can work just about anywhere.

And the long-term benefits are even better. Since I'm self-employed, I can start planning my retirement nest egg today with a tax deductible, tax-deferred, Keogh Plan from Cambridge Savings Bank.

Keogh Plan Benefits:
Earning extra income from consulting? Self-employed?
Have a partner? Establish a Keogh Retirement Plan at CSB.

- Contributions are tax-deductible
- 100% of interest is tax-deferred until retirement
- Professional investment management by Wright Investors' Service
- Mutual funds* included as investment option

Deadline for adding funds to existing Keogh: April 15, 1995. Drop by or call (617) 864-8700.

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special invitation to MIT Students, Faculty, and Business Community

1995 course during IAP at the Massachusetts Institute of Technology sponsored by the MIT Enterprise Forum® of Cambridge, Inc.

STARTING AND RUNNING
A HIGH TECH COMPANY

Learn What it Takes to be a High Tech Entrepreneur!
Tue-Fri, Jan 17-20

Speakers and examples from diverse technologies -
- computers and electronics, materials science, robotics, medical and biotech
- Practical advice from experienced entrepreneurs on: fund raising, finding good people, marketing and sales — and on dealing with the many pitfalls of new ventures
- Live presentations of a startup business plan, and of a company case study

---

Tue
Insiders’ Views of Starting a Company
Recognizing Opportunity and Running With It
1-4 PM in Room E25-111, Carleton Street

Marketing
6:30-8:30 PM in Room 6-120, 77 Mass Ave (*)

Wed
Team Building and the Human Side
Plus Intellectual Property, 1-4 PM in Room E25-111

Thu
High Tech Marketing and Sales
1-4 PM in Room E25-111, followed by reception

Financing
6:30-8:30 PM in Room 6-120 (*)

Fri
Raising Money and Launching Your Company
Live Presentation and Analysis of a Startup Business Plan
1-4 PM in Room E25-111

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MIT Enterprise Forum IAP Committee:
Ralph E. Grabowski ‘63
Matthew K. Haggerty ‘83
Martha Hooper
Karen Mathiasen GM ‘71
Peter A. Quigley ‘85
Bardwell C. Salmon ‘62
Dr. Barry Unger ‘69
(*) in conjunction with the Sixth Annual MIT 10K Business Plan Competition

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This course is FREE for MIT students/faculty/staff. Business community registration is $150 for the full, integrated four-day program. Scholarship aid, and a single-day ticket for $50 is available. Make checks payable to the MIT Enterprise Forum and send to 201 Vassar Street, Room W59-219, Cambridge MA, 02139. Call (617) 253-8240 for more information.
Three Code Their Way to Victory
In Regional Programming Contest

Ramy A. Arnaout

Last month a team of three MIT students won this year's Northeast Regional Programming Champions, held in Oswego, N.Y. The three team members -
- Ivanov, Todorov, and Peter N., all worked on the contest.

For the second team in a row, the process of three to form all seven was heading to the final, second formal round of competition, which was held in March.

Here, the two Northeast teams will face the 40 best teams from about 15 regional contests held around the world. Leighton said, "The roles face that participants must take on undergraduate or first- or second-year graduate students.

A range of seven programs from how to write two separate libraries to develop a useful ability in the software environment, and supervise technical project managers on a panel.

The winning team played a large role in MIT's return to competition. "They've been working very hard on this competition and wanted to do it."

"The other team members of the team and I gained a lot of our programming experience. As high-school students in Bulgaria, Tolstoi said.

Last year, they were working for Assistant Professor of Mathematics Anne H. Berger, P.A.D. '90, Leighton said. "She agreed to be their coach, and they became a great team.

This year, Berger and Leighton held MIT-wide tryouts for the team. Flyers advertising the contest were posted in Athens Computing Environments, clusters campus-wide.

"About 20 people spent all of one Saturday night coding," he said.

MIT Sloan School of Management

will host a reception and a panel discussion for

Prospective Minority Candidates

Tuesday, December 13, 1994
6:00-9:00 p.m.
MIT Faculty Club
50 Memorial Drive (6th Floor)

Please respond by voicemail (617-546) or TechMail (msr@mit.edu)

WANT TO TALK? NIGHTLINE
x3-8800
7 pm - 7 am Every night of the term. All calls confidential.

One female and one male staffer at all times.

This space donated by The Tech
M.I.T. CONGRATULATES

DANIELLE GOODMAN '95
LIK MUI '94
JEFFREY TOMASI '95

1995 WINNERS OF

BRITISH MARSHALL SCHOLARSHIPS

Three Questions of Concern to ALL M.I.T. Students

1. Did you know that this person is retiring and being replaced?

2. Did you know that Dean Smith oversees all of the following and represents your interests to the faculty and administration?

Dormitories • ILG's • Fraternities • Counselling • UROP •
Dining • Office of Minority Education • IAP • Freshman Year •
International Student Support Services • Undergraduate Student Activities • Graduate Student Activities • ROTC • Writing Requirement • Wellesley/MIT Exchange • GIRs • Undergraduate Seminars
• MIT Colloquium • Peer Counselling Hotlines • Pass/No Record

3. DID YOU KNOW THAT YOU CAN PROVIDE VALUED INPUT TO HELP SELECT THE NEW DEAN?

We want to know what YOU value in a person for this position! What has been YOUR experience with the Dean's office?

- Send e-mail anonymously: <deansearch@mit.edu>
  Originating address will not be recorded. Identify yourself if you wish

- Attend student forums to be held during the last two weeks of IAP at the following locations:
  Burton-Connor, Next House, East Campus, Chocolate City, Student Center (IFC), and GSC Lounge

- Talk to your student representatives:
  Undergraduate Association (UA), Dorm Council, Interfraternity Council (IFC), Association for Student Activities (ASA) or Graduate Student Council (GSC)

Or write to the Advisory Committee on the Selection of the Dean for Undergraduate Education and Student Affairs, Room 8-109.
The following incidents were reported to the Campus Police from Dec. 2-8:

Dec. 2: Bidg. 5, equipment stolen, $1,300; Coca-Cola vending machines broken into across campus, $12,000; West Garage, tire slashed; Bidg. 3, harassing phone calls.

Dec. 3: New House, party problem; Bidg. 1, Coca-Cola vending machine broken into, $300.

Dec. 4: MacGregor House, fire; Kresge Auditorium, bicycle stolen, $1,800; Bldg. 24, flute stolen, $1,100; Bidg. 34, flute stolen, $1,800; Bidg. 38, backpack with eyeglasses stolen, $275; Johnson Athletic Center, shin pads stolen, $100.

Dec. 5: Bidg. 9, wallet stolen, $100; Bldg. 39, food stolen, $100; Bldg. 45 parking lot, attempted larceny of '88 Oldsmobile; Bldg. 14S, suspicious activity; Bldg. 20E, cash stolen, $35; Bldg. 39, cellular phone stolen, $113.

Dec. 6: Bldg. E53, laptop computer stolen, $1,500; Bldg. 24, flute stolen, $1,100; Bidg. 38, backpack with eyeglasses stolen, $275; Johnson Athletic Center, shin pads stolen, $100.

Dec. 7: Bldg. 5, equipment stolen, $1,300; Coca-Cola vending machines broken into across campus, $12,000; West Garage, tire slashed; Bldg. 3, harassing phone calls.

Dec. 8: Bldg. 35, bicycle stolen, $700; 33 Massachusetts Ave., wireless microphone stolen, $800; Bldg. 20E, cash stolen, $35; Bldg. 9, wallet stolen, $100; Bldg. 39, food stolen, $100; Bldg. 38, backpack with eyeglasses stolen, $275; Johnson Athletic Center, shin pads stolen, $100.

Marshall Scholars Plan
studies in United Kingdom

The advisory council, made up of the regional chairs and the British ambassador, met on Dec. 2 to discuss the final list. The council then made eight winners, Goodman said. MIT students' applications are handled by the Graduate Dean's Office, and candidates need a minimum grade point average of 4.7 to apply, Hobbs said. Universities recommend students for the scholarship, and MIT normally submits about nine candidates, Hobbs said. The Marshall program was started by the British Parliament in 1953 "as a practical and enduring gesture of thanks on behalf of the British people for assistance received from the United States in the aftermath of the Second World War," according to the program's brochure.

We are currently seeking software developers for our branches in Boston, MA and St. Paul, MN. Your responsibilities in this position would include:

- Assessment of client software needs
- Design, coding, and installation of software systems
- Training and supporting users
- Overall project management and success

If you have an enthusiasm for challenging work and are interested in joining a fast growing IT consulting firm with a competitive salary and benefits package - this may be the opportunity for you!

AmeriData Consulting is an Equal Opportunity Employer

Information Session

Look for us after IAP:

When: February 13, 1995 at 7:00 - 9:00 pm
Where: Cambridge Marriott, Longfellow Room
Pizza and other refreshments will be served

On campus recruiting date: February 15, 1995

For more information email: afrancom@feldtech.ameridata.com

AmeriData Consulting, Inc. is a progressive, growth-oriented information systems and business consulting firm with offices across the United States. Our mission is to provide solutions to a diverse client base. Empowerment and professional development are key values in our organization.

Question
The Knowledge
A Film by John Singleton
HIGHER LEARNING
COLUMBIA PICTURES PRESENTS
A NEW DEAL PRODUCTION
FAMILY JOHN SINGLETON
HIGHER LEARNING
STARRING JENNIFER CONNELLY ICE CUBE
UMAR EPPS MICHAEL RAPPAPORT
KRYSY SWANSON
AND LAURENCE FISHBORNE
STANLEY CLARKE
RHOVIGHT ALONZO WILLIAMS
JOHN SINGLETON and PAUL HALL
WILLIAM JOHN SINGLETON

At Theatres Soon
Number of IAP Subjects Offered for Credit, 1988–1995

IAP, from Page 1

burden on students. “We’re very sensitive to piling things on students and feel that this is a happy compromise. We feel we’ve done this at the right level without destroying the old spirit” of IAP.

This IAP, 8.112 will be taught by Professor of Physics Richard K. Yamamoto ‘57. The goal of the class is “mainly to have projects oriented toward data acquisition,” Yamamoto said.

“IAP 1995 will be a trial run for the new course, so the enrollment will be limited to 10 students, Yamamoto said, “and I am still setting up the lab and doing a lot of debugging. Hopefully it will go off well.”

IAP is growing.

The number of credit activities offered during IAP has grown a great deal over the past few years, said Mary Z. Entnerline, associate dean for Undergraduate Academic Affairs.

The number of subjects offered has grown steadily from 31 in IAP 1988 to 79 in the upcoming IAP, with the number of undergraduates registered for credit activities increasing from 283 in IAP 1988 to 1132 in IAP 1994, she said.

Entnerline believes that IAP is ideally suited to certain types of subjects, such as the LEGO Robot Design Competition (6.270) and language courses.

In addition, the Department of Earth, Atmospheric, and Planetary Sciences “organizes some trips which were credit courses. IAP is uniquely suited for trips like these,” Entnerline said.

“The demand for credit subjects has not yet been met,” Entnerline said, adding that the increase in IAP credit activities should continue. She also said that allowing departments to offer requirements exclusively during IAP would contribute to the trend.

The discount continues in campus store for ten days after your gift to us. These are the lowest prices you’ll get all year. Some of these books are rare out-of-print items and there are the last available copies. Supplies will be on hand for the clearance sale in the Spring, but in higher prices. In addition, some supplies are listed in the catalogs that are forthcoming (early January).
Nick

by Chris Doerr

I JUST FINISHED PACKING UP ALL THE STUFF FROM MY OFFICE. I GUESS I'Ll GO TRY TO TALK TO THE ONE LAST TIME BEFORE I LEAVE SCHOOL FOREVER.

I HOPE SHE'S NOT HOME.

HELLO? ON IT'S YOU, NED. OH, SUE. I'M JUST GARBAGE AND WANTED TO SAY GOODBYE.

OH, CONGRATULATIONS! UM, LIKE WHERE ARE YOU GOING NEXT?

I'M GOING TO WORK AT AN ENGINEERING COMPANY. WHAT ARE YOU PLANNING TO DO AFTER YOU GRADUATE?

WOW, I BET YOU'LL MAKE A GREAT DOCTOR AND HELP LOTS OF PEOPLE.

I CAN WALK! GEE, THANKS DOCTOR SUE!

THANKS, YOU'LL BE A GREAT ENGINEER SOMEDAY. I BET.

I'VE DECIDED TO GO TO MEDICAL SCHOOL AND BECOME A DOCTOR!

I CALL YOU UP HERE, NICK, BECAUSE I WANTED TO THANK YOU ON BEHALF OF NICK. GO FOR THAT GREAT ANVIL!

WOW! THIS NEW "NICK" LASSIE TREE CUTTER IS AMAZING! I CAN NOW TAKE DOWN AN ACRE OF FOREST IN JUST ONE MORNING!

WELL, BIG ARNIE!

AND IF ANY DEER COME BY, WHAMMO!

NOW WE'LL HAVE PLENTY OF MONEY. SO I CAN GET THAT BOAT I'VE BEEN WANTING—HUG-HUG!

WHAT THE "NICK" DOCTOR HUGGED ENFANCE SYSTEM IS SO ACCURATE IT'S SCARY.

Yeah, well, the abrasion syphon on the Na Na has been LET US DOWN.

I DON'T KNOW IF THEY CAN MAKE IT THROUGH THIS WEATHER...

LOOK! HERE THEY COME!

50 YEARS LATER

LATER, IF YOU HAD BEEN DELAYED BY THE WEATHER, THAT KID WOULDN'T HAVE SURVIVED.

Yeah, well, the Na Na's abrasion syphon on the Na Na has been LET US DOWN.

WANT SOME COFFEE, TED?

OK, THANKS, SUE.

THE END.
Healthy men needed. For information call: (206) 867-7755.

Help Wanted

Healthy men needed as sperm donors. Help others and earn up to $1100/week. All ethnicity needed, call to see if you qualify. 494-8945 M.F., 8:00-4:00. California Cryobank, Cambridge.


$1500 weekly possible mailing our circulars! No experience necessary! Begin now! For info call 202-298-3772.

Help Wanted

Healthy men needed as sperm donors. Help others and earn up to $1100/week. All ethnicity needed, call to see if you qualify. 494-8945 M.F., 8:00-4:00. California Cryobank, Cambridge.


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**SPECs:** On AOL, type keyword "greenhouse" or call 703-917-1800. E-mail questions to Greenhouse@AOL.com.

**DEADLINE:** Applications must be submitted by 30 December 1994, 23:59 hours.

The fastest growing online community in the world.

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**VIRTUAL RELIGION IN THE 21ST CENTURY**

Laurence O. McKinney

Can reason ever replace religion? Is consciousness a "virtual reality"? What really happens when we die?

For anyone with faith in science, finally some comfort as well.

Published just in time for Christmas

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Top: The Logarithms display some fancy feet during their "5-No Fireworks" concert. Left: "Santa Baby" for the Musics concert. Below Left: The "Legs" of a 5-man MIT group open for the Legs. Left: The Salem State Stormtroopers of Death give a heartrending performance.

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**NEUROTHEOLOGY**

Virtual Religion in the 21st Century

Laurence O. McKinney

SPORTS

Varsity Track Team Holds Off Alumni Challenge, 69-53

By Daniel Wang

Last Saturday, past and present members of the track and field program gathered at Johnson Athletic Center for the most fitting current vs. alumni

The varsity took the next five places, led by Hung Hoang '97 with a 6' 7-1/2" jump. A similar result occurred in the triple jump which followed. In this event, Singhose covered a distance of 41' 8-1/2". Ugovc came closest, with a distance of 42' 1-1/2".

The results on the track seemed to make the difference in the meet. The turning point for the Engineers was in the mile run, the first scoring event. In this race, the Engineers faced a challenge from Mike Piepergerdes '96, a second-place finisher at the 1993 National Collegiate Athletic Association Division III Championships in the 1500-meter run. Josh Feldman '97 responded to the challenge by starting out on a fast pace. Piepergerdes sat back and appeared to be waiting for Feldman to tire and slow down.

However, Feldman kept the lead and finished strong to win, with a time of 4:12 minutes, 12.95 seconds. Piepergerdes was not able to close the gap, and even finished behind Richard Rosarze '98 to end up in third place.

The Engineers hope for improvement in the final meet of the season on January 19 at home, against Amherst College.