

PE Registration Moves to Athena

By Ramy A. Arnaout
EXECUTIVE EDITOR

In a move intended to circumvent the traditional bustle of physical education class selection, fall PE class registration will for the first time take place over Athena.

The new system very closely resembles the one that the School of Humanities, Arts, and Social Sciences began using last spring for HASS distribution classes, said Regina L. Gogol, the new system's project leader.

Accordingly, the new PE system will put an end to the current first-come, first-serve scheme. Students, staff, and faculty will have a three-week window — from 8 a.m. on Aug. 16 to 12 noon on Sept. 6 — to register. They can fill out up to six choices over Athena, and will be able to change their choices up until the August deadline. Final selections will be sent out over

electronic mail.

The driving force for the shift to the new system has been longstanding and often-voiced concern over the inconvenience of the current process, said Director of Physical Education Gordon V. Kelly.

"I've been in this position 12 years now and I continue to hear complaints from our students and staff about our antiquated system," Kelly said. "The big complaint was that people had to wait in lines and there were limited times for registration that weren't convenient for people's schedules," he said.

The main question has been, "How come we can't computerize this?," Kelly said.

"We've been investigating [alternative] possibilities for some time," Kelly said. On both a survey last year and periodic evaluations

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Tutors, Housemasters, RCA Discuss Changes

By David D. Hsu
NEWS EDITOR

The Office of Residence and Campus Activities, housemasters, and several graduate resident tutors have drafted recommendations to increase communication among their groups and to develop refined definitions of their roles and responsibilities.

The recommendations aim to "strengthen the housemaster — tutor system," said Margaret A. Jablonski, associate dean of residence and campus activities. The groups have formed three committees, dealing with information flow, roles and responsibilities, and hiring issues.

In the past, the groups "had some problems with communication with each other," Jablonski said.

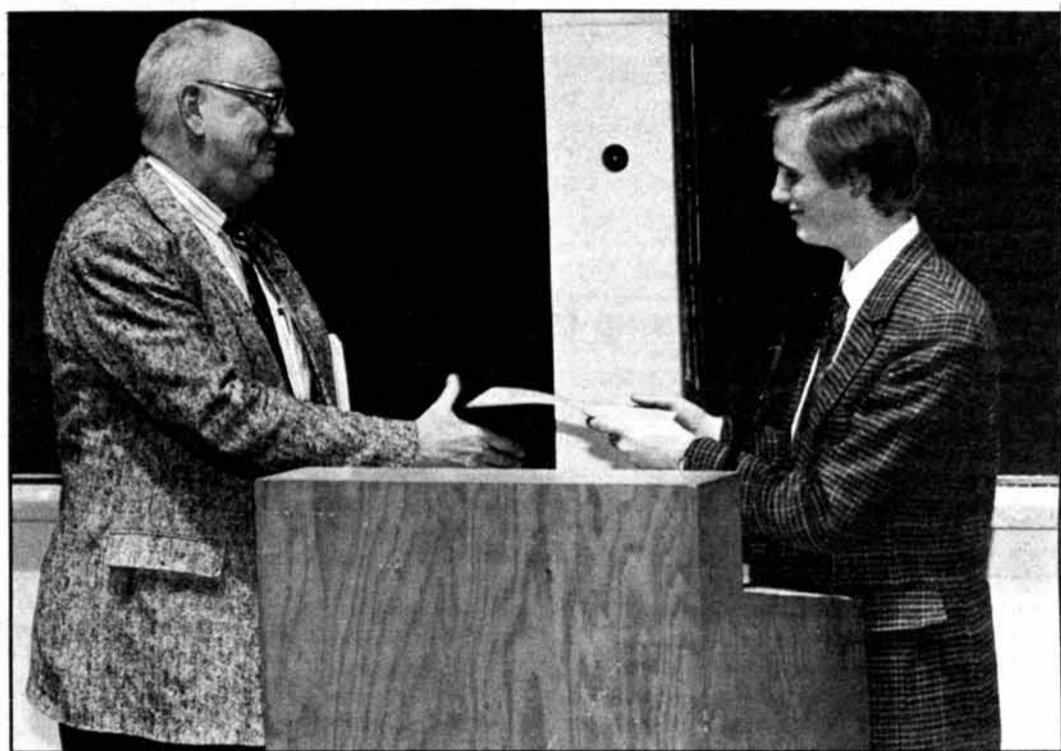
"People need to communicate more than in the past."

"I think the whole purpose of these meetings is to have RCA, housemasters, and tutors work more cohesively," said Margaret M. McCormick G, a GRT from Burton-Conner House.

The RCA office, housemasters, and tutors first met together in workshops in September, said Lisa Prior, a Spanish House tutor. Although the groups did not see a broken system, "what we did see was a chance to enhance the way we work together," she said.

Despite the active committee work, the current recommendations are just "working hypotheses," McCormick said.

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THOMAS R. KARLO—THE TECH

Outgoing Dean of Undergraduate Education and Student Affairs Arthur C. Smith (left) was honored with the creation of a new Institute award in his name at yesterday's Awards Convocation in 10-250. J. Paul Kirby '92, who helped announce the award, is at right.

Smith Honored with New Award at Annual Convocation

By Daniel C. Stevenson
EDITOR IN CHIEF

Dean for Undergraduate Education and Student Affairs Arthur C. Smith was honored at the 1995 Awards Convocation yesterday afternoon with the presentation of a new Institute award bearing his name. Smith announced last year he will step down in July after five years as dean.

The commemoration culminated a two-hour ceremony at which 50 students, faculty, staff, and organizations received awards for academic, artistic, and athletic excellence and community service.

The Smith award will be given in future years "to a member of the MIT faculty for meaningful contributions and devotion to undergraduate student life," according to the announcement.

The award is being established "to commemorate his record of service in the area of undergraduate student life" and "to encourage faculty participation in undergraduate student life," the announcement read.

"This place has been my life," said Smith. "To have people recognize that is a truly great thing."

Raajnish A. Chitale '95 and J. Paul Kirby '92 announced the award. Following their presentation, Chairman of the Corporation Paul E. Gray '54 spoke about Smith's work at MIT. Gray spoke of Smith's almost 30 years at MIT, dating back to the 1960s when Gray and Smith shared an office as professors in the Department of Electrical Engineering and Computer Science.

Three awarded Compton Prizes

Joseph J. Bambenek G, Susan L. Ipri G, and Prashant B. Doshi '95 received Karl Taylor Compton Prizes, the Institute's highest award. Smith presented the Compton prizes; Undergraduate Association President Carrie R. Muh '96 presided over the ceremony.

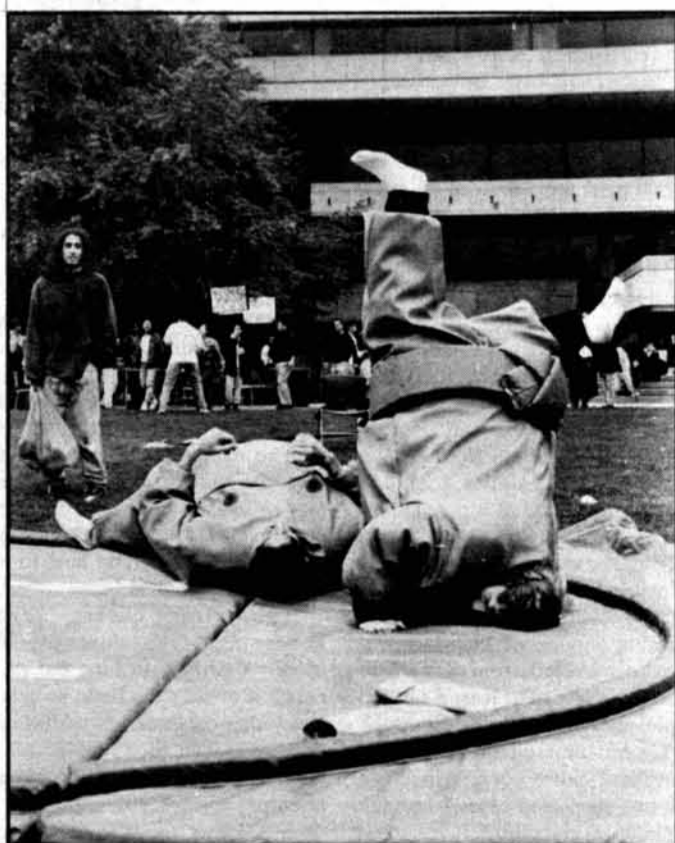
Bambenek was honored for "an intense and

Awards, Page 10

This is the last scheduled issue of *The Tech* for the spring semester. Summer issues will be published on June 9 (Commencement), June 28, and July 26. *The Tech* will publish daily during Residence and Orientation Week beginning August 24 and will resume regular Tuesday/Friday publication in September.

INSIDE

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- Grant Lee Buffalo play WBCN gig with skill, humor. *Page 6*
- Crumb portrays tortured artist. *Page 7*



JIMMY WONG—THE TECH

The sumo wrestling event at the Battle of the Classes last weekend gave everyone a chance to look like one of the giant athletes.

'Phantom' Interface Takes Annual \$10K

By Oleg E. Drozhinin

On Wednesday, Sensable Devices, Inc. was announced the winner of the sixth annual MIT \$10K Entrepreneurial Business Plan Competition. Sensable's project, the Phantom Haptic Interface, was a human-computer touch interface and input device. The project bested 44 other student teams to take the \$10,000 David and Lindsay Morgenthaler Grand Prize.

The competition is coordinated by students from the School of Engineering and the Sloan School of Management and young alumni, with the support of donors and advisors from both inside and outside the Institute. At least one team member must be an MIT undergraduate or graduate student and teams with a mix of technical and business savvy are encouraged.

Winning-team members Thomas Massie G, Rhonda Massie '95, and Anthony Cirurgiao received the monetary award at a ceremony hosted by the MIT Enterprise Forum.

"The competition provides the discipline of a deadline, the incentive of \$10,000, and feedback from venture capitalists and successful entrepreneurs," said Joost P. Bonsen '92, one of the competition's lead organizers.

"This year's finalist's business plans were the best we have received in years," said Christina Jansen of the MIT Technology Licensing Office, one of the eight judges for the competition. "The team has a very sound plan, realistic time frame for developing different applications in the future, and a very good presentation."

Claiming to be more than just another 3-D mouse, the Phantom would allow users to actually feel virtual objects. The Phantom's three motors physically exert an external force on the user's finger tip, creating the illusion of interacting with solid objects. The user's finger tip can appear as either a point or a frictionless sphere within the virtual world.

"The Phantom [makes possible]

WORLD & NATION

Chinese Muslims Protest Detonation

THE BALTIMORE SUN

URUMQI, CHINA

China detonated a small-sized nuclear device Monday morning in the Gobi Desert, triggering diplomatic protests and further aggravating tense relations with the mainly Muslim population that lives near the test site.

The underground test, which came just days after more than 170 nations agreed to extend the Nuclear Non-Proliferation Treaty, was in Lop Nor, about 150 miles south of Urumqi, provincial capital of China's Muslim province of Xinjiang.

"They use us as guinea pigs for their tests. The tests never take place where the Chinese live, only where we Muslims live. It's racist," said a local resident of the Uighur nationality.

Xinjiang, also known as Chinese Turkestan, is 60 percent Muslim, with the largest group being Uighur, an ethnic group closely related to the Turks.

A Chinese foreign ministry spokesman said China will stop nuclear testing once a comprehensive test ban treaty is implemented.

Mexican Border Cleanup Imperiled

THE WASHINGTON POST

MEXICO CITY

Mexico is in danger of renegeing on a 1993 pledge to clean up the 2,500-mile border it shares with the United States and could require external financial help to meet its environmental commitments under the North American Free Trade Agreement, according to senior officials here.

The border-cleanup issue — once regarded as resolved under an environmental side accord to NAFTA — has resurfaced as one of several high-priority items on the agenda of the annual U.S.-Mexico binational meeting, a one-day event that convenes today in Washington.

Eight members of President Ernesto Zedillo's Cabinet and other senior dignitaries will spend the day discussing cross-border economic, environmental, legal and cultural affairs with their U.S. counterparts.

Foreign Secretary Jose Angel Gurria, who will head the Mexican delegation to Washington, said in an interview that Mexico had to put on hold its participation in several border cleanup projects because the current financial crisis has sapped the federal budget. A currency devaluation in December followed by a massive economic contraction has forced the Zedillo government to slash the federal budget by nearly 10 percent this year.

NASA Robots on Weight-Loss Plan

THE WASHINGTON POST

The space robots are going on a diet.

On Earth, daily life has been transformed by the miniaturization of electronics. But solar system explorers are still lugging yesterday's behemoth technologies among the planets. That's about to change.

Eight or nine bantamweight robotic expeditions are lining up for departure during the three years beginning next February, with even smaller packages planned after that. Their destinations include an asteroid and the moon, but the bulk of the frequent-flier bonus points is reserved for Mars missions. NASA plans to send two craft to the Red Planet every two years through 2005. The next landing is scheduled for July 4, 1997, scientists said, when Mars Pathfinder is to parachute in from orbit carrying a 22-pound rover only "about as smart as a bug."

The first of NASA's "smaller, faster, cheaper" Discovery missions is assigned to tango with an asteroid named Eros. Known as NEAR (Near Earth Asteroid Rendezvous), the 1,700-pound craft is to circle Eros for a year, nearing altitudes as low as 22 miles. It will make the first comprehensive measurements of an asteroid's composition. Scientists believe asteroids contain pristine material from when the planets formed, some 4.5 billion years ago.

The NEAR craft is being assembled in a "clean room" at Johns Hopkins University's Applied Physics Laboratory in Laurel, Md.

WEATHER

More Rain by Mid-week

By Michael Morgan

STAFF METEOROLOGIST

While southern New England tries to get spring started, the weather in the southeastern U.S. has turned decidedly summer-like. The first heat wave of the season will be underway by late this afternoon in parts of Mississippi and Alabama as temperatures pass 90°F (32°C) for the third day in the row. A weak ridge of high pressure will build into our region today providing much of southern New England will sunny skies and milder temperatures. Away from the coast, most regions will see temperatures in the low 70s (21-23°C). How warm the temperatures get along the coast will be dependent on wind direction. If a sea breeze develops, temperatures along the coast will struggle to rise higher than the low 60s (16-18°C). At this point, it appears that strengthening offshore winds late in the afternoon, will wipe out any sea breeze circulation that may develop. Temperatures along the coast should rise to near 70°F (21°C) by early evening.

The strengthening westerly winds are in association with a cyclone expected to move into the Great Lakes region today and then continue northeast into southeastern Canada over the next day. Ahead of and east of the cyclone, warm moist air will be drawn northward — increasing our risks of rain on Wednesday. Some of the summer-like heat over the southeast will make a run at the area by Thursday afternoon, however it will only make it as close as the south coast of Long Island by late Thursday. As this warm, moist air mass comes in contact with the still chilly Atlantic, fog will develop in coastal southern New England.

Today: Partly cloudy and milder. highs near 70°F (21°C). Winds light and variable, becoming west-southwest at 10-15 mph (16-24 kph) late in the day.

Tonight: Increasing clouds. Low 48°F (9°C).

Wednesday: Cloudy with showers developing. High 67°F (19°C). Winds southwest 10-20 mph (16-32 kph).

Thursday: Cloudy with rain and rain showers. Areas of fog. High 63°F (17°C). Low 48-53°F (9-12°C).

Japan Police Arrest Cult Head for Poison Gas Attack

By T.R. Reid

THE WASHINGTON POST

TOKYO

An army of police officers wearing bright blue riot helmets arrested the guru of a secretive religious cult Tuesday on murder charges in connection with the March 20 poison gas attack on the Tokyo subway system and were seeking about 40 of his followers on similar charges.

Police armed with arrest warrants raided about 130 facilities of Shoko Asahara's Aum Supreme Truth cult in their search for suspects, but the chief focus of the operation — televised live on every network — was the cult's sprawling property below Mt. Fuji, where Asahara was believed to be hiding with his wife and six children.

The raids began at dawn at the Mt. Fuji facility — said to be honeycombed with underground tunnels and secret passages — but it was not until three hours later that Asahara was taken into custody. Police said he was found meditating on an upper level of one of many buildings on the cult property. The warrants for the arrest of Asahara and other cult leaders after a nine-week investigation were clearly meant by authorities to bring to an end the scariest spring Japan has experienced in more than 20 years. The terrorist subway attack, which left 12 people dead and sickened 5,000 others, was followed by several other incidents involving noxious gas; by the shooting of the police chief heading an investigation of the cult; and the fatal stabbing of a senior aide to Asahara.

Almost as frightening as the crimes was the widely spoken fear that the menacing spring of 1995 might indicate that Japan's cherished values of harmony, civility and public order were withering away. But since police now seem to be attributing virtually all the crimes to members of a single fringe group, the broader fears about a breakdown

of order may well have been allayed.

The police raids were part of perhaps the most public arrest effort this country has ever seen. Hundreds of reporters were on the scene below Mt. Fuji, and TV networks offered detailed coverage and analyses — including such minute observations as: "They're now using a 1.5 meter crowbar to pry open the doors."

At the same time, there was some concern here that followers of Asahara who are still at large and angry over the pending arrest of their leader might try to mount some form of retaliation. One reason police waited so long to move against Asahara apparently was their effort to round up cult members they deemed dangerous before trying to apprehend the guru.

About 150 members of Asahara's cult have been arrested since the subway attack, but most have been charged with minor crimes unrelated to the gassing so that they could be held for questioning. The warrants issued Tuesday, charging murder and attempted murder, constitute a signal to the people of Japan that police and prosecutors believe the Tokyo subway case closed.

In Japan, an arrest is generally considered as conclusive as a guilty verdict would be in the United States. Police and prosecutors here are proud of their record of convicting 99 percent of all those charged with crimes; accordingly, they generally do not arrest anyone until a conviction is all but certain.

The workings of Japan's justice system suggest that the 40-year-old Asahara almost certainly will never be a free man again. He will be jailed without bail until a trial, as is common practice here, and if convicted will likely be sentenced either to death by hanging or life imprisonment.

Press reports relying on criminal justice sources indicate that police

eventually intend to charge Asahara or his followers with most of the other terrorist crimes this spring, including the shooting of the police chief. Members of the cult reportedly will be charged as well with a previous poison gas incident that killed seven people last summer in the central Japanese city of Matsumoto.

Both that case and the subway attack involved use of a lethal nerve gas called sarin, which was developed by Nazi Germany in World War II. Asahara, an admirer of Adolf Hitler, emerged quickly as a subject for police investigation because he had been making speeches about "the power of sarin."

Police spokesman Shigeaki Ishikawa announced issuance of the arrest warrants Tuesday morning, saying: "We have obtained evidence that the sect has produced sarin within its compound. We have found that sect members were involved in the attacks on the (Tokyo) subways." He then went on to name Asahara and other cult leaders.

If Asahara and his followers are convicted in the Matsumoto killings, the shooting of the police chief and the subway gassing, Tuesday's arrests would solve the three most serious crimes in recent Japanese history.

Asahara, a Buddha-shaped figure with stringy hair and a beard, looks almost like a Central Casting version of a cult guru, with his wardrobe of bright pastel robes and his "throne" of satin pillows on which he sat in the lotus position while preaching.

He began forming cults about 10 years ago after two failed business careers and one criminal conviction. Styling himself the "Venerated Master," he has written numerous wildly illogical books and brochures that seem to draw their message from several different world religions.

Ebola Outbreak Continues in Kikwit; Further Spread Feared

By Bob Drogin

LOS ANGELES TIMES

KINSHASA, ZAIRE

Anxious health officials warned Monday that an outbreak of incurable Ebola disease is still raging near the town of Kikwit, and that two "suspected" cases of the deadly virus have now been found here in the crowded capital.

Abdelhalim Senouci, head of the international federation of International Red Cross societies in Africa, said "the situation is still not stable," in Kikwit.

Although figures on the caseload vary, most of the dozens of confirmed cases of Ebola have been found in Kikwit, where, "It is very, very bad," Senouci warned.

He said three Zairian doctors returning to Kinshasa from Kikwit had been placed under a 28-day medical quarantine as a precautionary measure. "They were working in the field," he explained.

In addition, Dr. Lonyangela Bopenda, Zaire's secretary general of health, announced that two people who traveled from Kikwit to Kinshasa, a city of at least 4 million people, may now have the disease.

But he insisted there was no immediate cause for alarm. "We have two suspected cases," he said. "We have no certainty."

One patient, a nurse, was under observation in a Kinshasa hospital. But the other, a river boat captain, has disappeared since his discharge

from a clinic where he was treated for acute diarrhea. Doctors now suspect Ebola was the cause.

"They're looking for him now," said Sammy Chumfong, a spokesman for the World Health Organization here.

Chumfong said WHO doctors and scientists are satisfied, for now, that the virus still appears to be largely localized around Kikwit and is unlikely to spread enough to become a full-blown epidemic. "It hasn't spread (widely) outside the containment area," he said. "We're happy with that."

The Red Cross, however, has launched a public education campaign in the capital. It began printing for distribution 10,000 pamphlets.

The pamphlets, printed in four local languages, use simple drawings to explain how the Ebola virus is transmitted by blood, sperm or other bodily fluids, and how to recognize its symptoms.

The virus causes severe headache, fever, vomiting and bloody diarrhea. In nine out of 10 cases, it attacks the body so relentlessly that death comes within days from massive bleeding of major internal organs. There is no vaccine or cure.

In Geneva, the WHO reported it has confirmation of 17 new Ebola deaths, along with four new cases of Ebola, all of them in Kikwit, the city east of Kinshasa where the out-

break began in March, said agency spokesman Richard Leclair.

That brought the total of confirmed cases to 84. Of those, 77 have died, including a fourth Italian nun who was caring for Ebola patients at Kikwit General Hospital.

The WHO said it expects a sharp increase in Ebola cases in the coming weeks. Monday's report was more pessimistic than previously, when WHO officials said they were optimistic about controlling the epidemic.

"WHO experts expect a significant increase in cases during the next two to three weeks among people who are incubating the disease having been exposed to it in the care of relatives or neighbors," Leclair said.

He said the WHO still hopes that improved information about Ebola would eventually contain the spread of the disease. "In two or three weeks we will have higher numbers but from that point it should start going down quite rapidly, but we have no way of guaranteeing it," he said.

Earlier Monday, WHO spokesman Thomson Prentice said in Geneva that, even if Ebola were confirmed in the Zairian capital, that wouldn't represent an acceleration of the epidemic.

"It would not be a great surprise if one case or more than one case occurred in Kinshasa," he said, adding: "It doesn't follow that more people will get infected because transmission is quite difficult."

Archaeologists Unearth Egypt's Largest Tomb in Valley of Kings

By Boyce Rensberger
THE WASHINGTON POST

Archaeologists digging in Egypt's Valley of the Kings have discovered what is thought to be the largest and most complex tomb yet found in the region, a warren of at least 67 chambers, some with rubble-blocked doorways that probably lead to dozens more rooms.

Inscriptions on the carved and painted walls indicate that the mausoleum — carved out of bedrock below barren, hilly desert — was the burial place of 50 of Pharaoh Ramses II's 52 sons.

Archaeologists are calling it one of the most significant discoveries in Egyptology this century.

Ramses II was one of ancient Egypt's most powerful and durable kings, ruling for 67 years, from 1279 B.C. to 1212 B.C. Tradition says that he was pharaoh during the Hebrew Exodus, when the Israelites

left Egypt and God killed all the firstborn sons of the Egyptians.

Intriguingly, tomb inscriptions say that one of those buried in the tomb was Ramses's first born son, Amon-her-khepeshef. Neither his body nor that of any others have been found, the discoverers say, either because they lie in rooms that have not yet been opened or because ancient looters hacked their dried mummies to pieces. Fragments of mummies have been found on the floors of some rooms.

Although the tomb has not yielded any significant objects or costly gold or jewels, its sheer size and elaborate architectural arrangement is unlike anything found from ancient Egypt. Many of the rooms, however, are still clogged with rocky rubble that has fallen from the ceilings, and full exploration will take years.

"This significant discovery will help historians understand more

thoroughly the culture, chronology and history of ancient Egypt during the reign of Ramses II," said Kent R. Weeks, professor of Egyptology at the American University in Cairo, who announced the discovery yesterday.

Weeks and his graduate students had been mapping the Valley of the Kings for several years when they discovered the mausoleum. "The potential of this tomb is enormous," he said, adding that several of his colleagues had assessed the tomb as "the most important discovery in Egyptology in a century."

Catharine Roehrig, an Egyptologist at the Metropolitan Museum of Art in New York who has seen parts of the tomb, said that characterization depended on one's point of view. To her, she said, "This is one of the most exciting discoveries that could have been made. It's unlike any tomb we've ever seen."

Dow Corning Bankruptcy Filing Impedes Silicone Implant Cases

By Jay Mathews
THE WASHINGTON POST

NEW YORK

Dow Corning Corp., stuck in a massive legal swamp over allegedly harmful silicone breast implants, forced cancellation of hundreds of trials and threatened a \$4.2 billion settlement Monday by filing for federal bankruptcy court protection.

The Midland, Mich.-based silicone material manufacturer said the bankruptcy filing, which shields it from creditors while it gets its financial affairs in order, was the only way to avoid being overwhelmed by soaring legal costs.

Some of the 400,000 women who expect to draw money from the settlement fund or who decided to pursue separate legal claims against the company accused Dow Corning of stretching out the process to avoid

bad publicity and perhaps force women who need the money urgently to settle for smaller amounts.

"A lot of women were relying on the money to have their breast implants removed and now that money will not be forthcoming," said Sybil Goldrich, a woman suing for damages after her implants failed.

Dow Corning officials denied the charges, and said their plight underlined the need for Congress's current effort to overhaul product liability law. "We had to take this action now to preserve both the fundamental strength of our business operations and our ability to fairly compensate all women with breast implant claims," said Dow Corning Chairman Richard A. Hazelton.

The Dow Corning decision leaves in doubt the future of the settlement reached last year that would

have paid participating women from \$140,000 to \$1.4 million each, depending on the nature and severity of their symptoms.

Dow Corning officials said they hope the financial reorganization plan they file will still include the \$2 billion they promised to contribute to the settlement fund. Three other companies involved in silicone implant production — Bristol-Myers Squibb Co., 3M Co. and Baxter Intl. Inc. — have promised to give money to the fund, although a rush of new claims led a federal judge to conclude that \$4.2 billion will not be enough.

Although about 400,000 women agreed to accept the fund's restrictions, at least 11,000 others did not. Their individual lawsuits created an unpredictable element that Dow Corning — the smallest of the four companies — said it could not handle.

Iran Embarks on Campaign To Defend Its Nuclear Program

THE WASHINGTON POST

WASHINGTON

Iran has embarked on a publicity campaign aimed at convincing other nations that its quest for nuclear power is not a quest for nuclear weapons, and the Clinton administration responded Monday with a strongly worded pledge to block Tehran from acquiring nuclear technology.

"We are convinced, in the strongest possible way and with a solid base of information, on the question of nuclear weapons, that they desire to have this capability, and we are determined to stop them from acquiring that capability," State Department spokesman Nicholas Burns said.

Burns said he was expressing "the very strong degree of determination by this government" to stop Russia and China from carrying out plans to sell nuclear power reactors to Iran. He and other officials said it would be a major agenda item when President Clinton meets Russian President Boris Yeltsin in Canada next month and in all diplomatic contacts with China.

The Clinton administration has ordered a halt to virtually all U.S. trade with Iran and is urging other nations to take similar steps in an effort to limit Iran's sources of nuclear technology and undermine its ability to pay for a nuclear program.

Iran, a signatory to the nuclear Non-Proliferation Treaty and a member of the International Atomic Energy Agency, has denied that its plans to develop a network of nuclear power plants presage acquisition of nuclear weapons. Now, apparently in response to the stepped-up U.S. effort to block the program, Iran has invited western reporters to Tehran to hear these denials repeated at the highest levels of the Iranian government.

Bonior Files Fifth Ethics Complaint against Gingrich

THE WASHINGTON POST

WASHINGTON

The second-ranking Democrat in the House filed yet another ethics complaint against Speaker Newt Gingrich, R-Ga., Monday, focusing new attention on the Republican fund-raising machine GOPAC in an effort to build pressure for the appointment of a special counsel to investigate the speaker.

The move by Minority Whip David E. Bonior, D-Mich., a relentless Gingrich critic, marked the latest turn in a concerted effort by some Democrats both to bedevil Gingrich as he assumed control of the new Republican majority in the House and construct a case, brick by brick, that Gingrich grievously abused his office.

Monday's complaint is the fifth one filed against Gingrich. It accuses him of violating House rules and federal law by promoting the GOPAC political action committee in several speeches from the House floor in early 1990.

Steve Jost, a Democratic consultant who is closely following the complaints, said that while there has been no long-term, coherent strategy against the speaker, the chief target has always been GOPAC, which has never fully reported the sources of its roughly \$2 million in annual income.

Graduate Student Council

Next meetings:

Orientation - May 16

Activities - May 18

General - June 6

MIT RINGS
The Brass Rat!!

This semester one can be yours for a 25% discount!
Buy at The Coop before June 9 to get the discount.

The Brass Rat is a sign of distinction known around the world. Jostens will change the degree and date at any time for no charge.

You don't have to be graduating this year to buy a ring!

Will you need extra commencement tickets or do you have some you wanna dump? Please contact the GSC office about the **GSC Commencement Ticket Redistribution Program.**

GSC Funding Board summer requests for student groups are due **June 12, by 4 pm.** Request forms are available in the GSC office.

Get ready for summer! Get on the GSC email list to find out about our summer activities.

PAID Assistantship in Re-engineering!!!!

The GSC will nominate a graduate student to a position on the student services re-engineering team, a ~20hr/week position with financial support (stipend and tuition)!

A "job description" is available on GSC's web page. Applications are available at the GSC office and the GSC board in the infinite corridor. Questions on the application process may be directed to gsc-vice-president@mit. The deadline for applications is **Friday, May 19, 1995**. An interview must be scheduled (contact the GSC office x3-2195, Rm. 50-222, gsc-admin@mit) for **Thursday, May 25, 1995**.

Applications for GSC Nominations to Institute Committees are due **Friday, May 19, 1995**. Interviews will be conducted on **Tuesday, May 23** and **Wednesday, May 24**.

Contact the GSC office to schedule an interview (x3-2195, Rm. 50-222, gsc-admin@mit). Descriptions of the committees may be found in Techinfo under "Publications".

The GSC is looking for a few good grad students! Work on the **TA Workshops** (orientation and IAP) with Dean Perkins

or

be on the +/- **Grading Committee.** If interested, please contact the GSC office ASAP!

All Graduate Students are invited to all our meetings. All are held at 5:30pm in 50-222 and dinner is served.

Stay informed about all our events! Check out our web page <http://www.mit.edu:8001/activities/gsc/gsc.html>
Add yourself to our mailing list by typing **blanche gsc-students -a username**, or send email to gsc-request@mit.
Questions, comments, ideas? Give us a call at 3-2195 or send email to gsc-admin@mit.

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Institutional Wisdom Watch

by *The Tech* editorial board



Steer Roast: What happened to "Southern Rail"? Yawn.



CEG: Guide staff does thankless work. Who else will keep the professors in line?

Dean for Undergraduate Education candidates:

Dean for Student Affairs candidates:



Bob Jaffe: Nice guy has spent his days watching the faculty, but that never hurt anybody. We think.



Travis Merritt: IWW hopes he can charm his way into the job. But is he really on the short list?



John Vander Sande: Outsider's chances slim in insider administration.



Margaret Jablonski: She is efficient and gets the job done, but has she been here long enough?



Kim Vandiver: Proponent of "active education" generally liked by students.



Steve Immerman: Slick administration hatchet man can always smooth-talk his way out of any situation. IWW predicts his moustache will win him the job.

Letters To The Editor

Speaker Selection Process Ignored Students

The *Tech* received a copy of the following letter addressed to President Charles M. Vest:

I wanted to take a moment to express my concerns over the current process used to select MIT's Commencement speaker. It seems to me that the recent choices for Commencement speaker indicate a flaw in this process, especially evident when one looks at the speakers for other schools during the same

time — Colin Powell and Al Gore at Harvard, Hillary Rodham Clinton at Wellesely, and Bill Clinton at the University of Michigan.

Many months ago, many seniors — myself included — took time to think about who we would like to speak at Commencement this year. I think we are all smart enough to realize that not every school can get the president — and because of that, many students took time to set out criteria for the people they would like to hear as opposed to trying to pick out particular individuals who might be difficult to get to come and speak. A large number of these comments focused on finding someone who people have heard of as opposed to a cul-

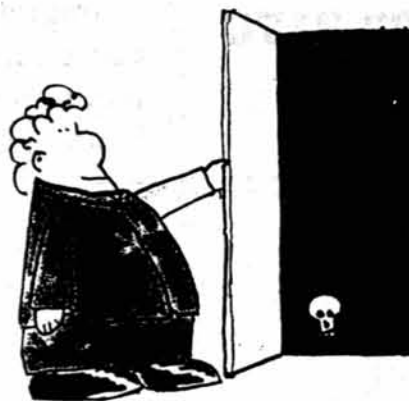
tural icon.

As I remember, the comments and suggestions made by my class on the poster in Lobby 7 indicated a pretty high level of discontent with the past speakers and selection process. Many of the suggestions offered on the Lobby 7 poster were well thought out and seemed to carry a lot of emotions behind them: Students were very clearly upset by the past trend and wanted a change.

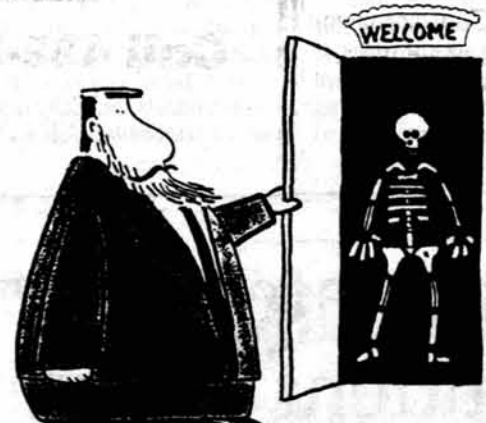
Like many other seniors in my class, I became disillusioned with the whole process when I heard the announcement for this year's

Letters, Page 5

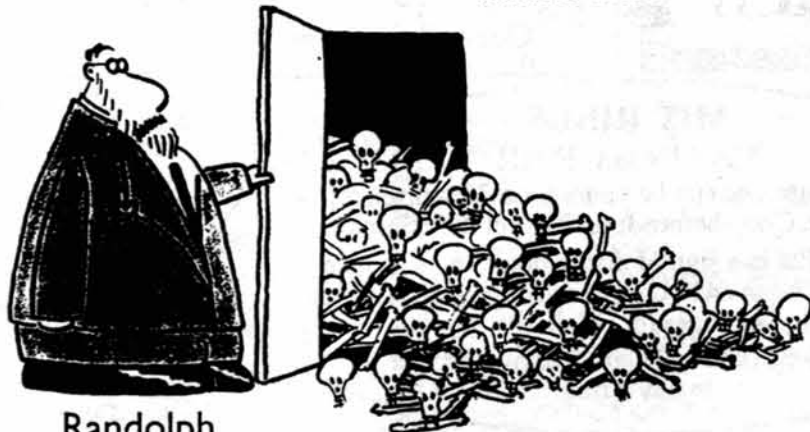
STUDENT AFFAIRS DEAN SEARCH SPOT CLOSET CHECK:



Jablonski



Immerman



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TECH

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Editorials, printed in a distinctive format, are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, executive editor, news editors, and opinion editors.

Dissents, marked as such and printed in a distinctive format, are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

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

Letters to the editor are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to letters@the-tech.mit.edu. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters and cartoons must bear 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 prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. We regret we cannot publish all of the letters we receive.

To Reach Us

The Tech's telephone number is (617) 253-1541. Electronic mail is the easiest way to reach any member of our 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, arts@the-tech.mit.edu, photo@the-tech.mit.edu, circ@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.

Letters To The Editor

Letters, from Page 4

speaker. Who the heck is Hanna Gray? I certainly don't remember the name among the suggestions made on the Lobby 7 poster. Why did any of us take time to think through our suggestions if they were going to be ignored?

There is a growing feeling that the administration has a lack of regard for the opinions expressed by the students. And why not? Seriously, how many students have ever heard of the Aga Khan, Carlos Salinas de Gortari, Hanna Gray, Walter Massey, or Virgilio Barco? More importantly, how many people recommended any one of them as the speaker?

I am not questioning the speaking ability of any of the above individuals. What I am questioning is how these particular speakers were chosen. While it might be self serving, most seniors see Commencement as "our day." It seems like this would be at least one day that the administration could listen to what we want and act as our agent to help us out making "our day" the best possible. Obviously, it is too late now for my class, but please think about this before the decisions come around for next year. Maybe with some

work the Institute can top the Iacocca, Hewlett, Olsen, Giamatti, Tsongas streak that started 10 years ago.

Eric R. Richard '95

UA Editorial Represents New Low

The Tech's recent editorial ["UA Constitutional Debate Is New Low," May 9] condemned the attempt to replace the Undergraduate Association constitution with wording finalized just 24 hours before last Monday's UA Council meeting. At first I was pleased. At the UA council meeting the previous night, I played a major role in defeating the new constitution. But somehow, the editorial managed to implicate me as the person responsible for the changes that I worked against. Naturally, I am greatly displeased that The Tech has chosen to misrepresent my views on the issue.

It has always bothered me that the opinion editors of The Tech seem too craven to take a stand on UA issues until after they come to a vote. Relying upon false implications to make a point represents a new low for The Tech's frequently barren opinion page. I would

expect a greater commitment to accuracy from a paper whose editor is ostensibly in a period of introspection regarding what constitutes ethical journalism. I hope the new year brings new standards of outspokenness and integrity to your editorial page.

Jason W. Solinsky '95

UA Deserves Praise For Some Changes

While The Tech did an excellent job of reporting on the last UA meeting of the year ["UA Council Rejects New Constitution," May 9], I would like to make two very quick points. First, there were actually two amendments to the current constitution that were passed. The two amendments decreased the size of next year's UA Council and increased the membership of UA Judicial Review Board to five members from three. As the sole member of Judboard for the entire past year, I applaud UA President Vijay P. Sankaran '95 for appointing five members to next year's Judboard and I would like to applaud the UA Council for passing this amendment.

Second, contrary to last Tuesday's editori-

al ["UA Constitutional Debate Is New Low," May 9], "non-student Jason Solinsky" spoke strongly against the adoption of the new constitution for the reasons delineated in that editorial. As the only author of the new constitution who objected to the haste of the constitution-changing process, perhaps the editorial should not have singled out Jason for criticism.

Albert L. Hsu '96
Chair, UA Judicial Review Board

ERRATUM

Due to an editor's error, a story about the Undergraduate Association constitution changes ["UA Council Rejects New Constitution," May 9] failed to mention a second constitutional amendment passed at the UA Council meeting. The size of the Judicial Review Board was expanded from three members to five by the amendment.

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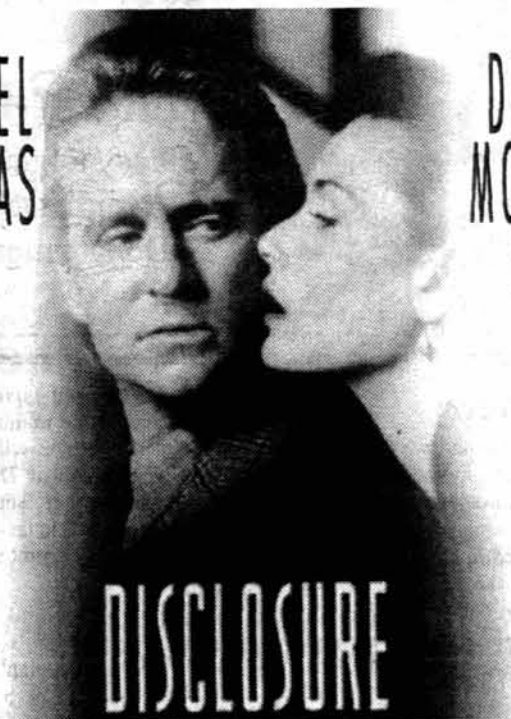
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THE ARTS

Williams leads BSO in performance of favorites

BOSTON SYMPHONY ORCHESTRA

John Williams, guest conductor.
"Salute to Hollywood" program; featuring works by Williams, Mancini, and Gershwin.
Symphony Hall, Boston.
Friday, May 12 at 8 p.m.

By Kal Tao

The arrival of spring signals the beginning of another familiar Boston institution; the opening of the Pops season. The stiff wooden seats that normally fill the floor of Symphony Hall are replaced with tables and chairs, more representative of a dinner party at home than a formal night of culture. Perhaps the reason behind the Pops' success is the bridge it creates between the music of the classical generation and the modern show tunes that grace our music collections. This year marks the first time since 1980 that John Williams has not conducted the opening concert, having recently retired to concentrate on his compositions for film. However, last Friday's "Salute to Hollywood" program was conducted by none other than the maestro himself.

Almost everyone, at one time or another, has heard one of Williams' film scores, ranging from the frightening sounds of *Jaws* to the familiar *Star Wars* theme. Imagine the pleasure of hearing Williams himself conduct a series of Hollywood melodies consisting of both his own movie themes as well as those of Alan Menken and Henry Mancini. Williams opened his tribute to the films of Steven Spielberg, with the buoyant *Raiders of the Lost Ark* theme, an adventurous piece that resonated deeply with the audience. The trumpet call for action brought back memories of Indiana Jones successfully navigating treacherous obstacles.

The mysterious *Close Encounters of the Third Kind* followed, with the intriguing sounds of uncertainty ending with the five notes that represent the first form of alien and human communication. The Spielberg tribute concluded with Williams' own suite from *Hook*, comprising of "Flight to Neverland," "Smee's Plan," and the "Banquet." It is John Williams' genius that allows such scores to delicately blend with each film's story to accentuate either a sense of adventure, mystery, or simple silliness.

The intermission that followed reflected the lighthearted mood of the audience, as attendants scuffled about to fill orders of drinks and desserts, and parents rushed to take care of impatient children. The sound of roaring trumpets and steady drum beats brought everyone to their seats as the orchestra performed "Rakoczy's March," a military tune named after a Hungarian hero. Then, a young Max Levinson walked onto the gleaming stage to his piano, ready to perform Liszt's *Piano Concerto No. 1 in E-flat*. Anyone who has ever been forced to practice classical piano as a child knows about the technical difficulty it takes to even pretend to play a Liszt piece — after all, Liszt was the Elton John of his time, dazzling audiences with his keyboard wizardry.

Mr. Levinson, who is only 23, ably held his own, as he began his solo, letting his fingers do the talking. With a supportive orchestra, Levinson managed to convey the majesty of Liszt's work, alternating from the slow lull-like movements to the resounding finale.

After a second intermission, the orchestra swung into high gear as it began belting out one hit tune after another, beginning with

Williams' "Hooray for Hollywood." The upbeatness and clear joy that rang through Symphony Hall, continued with selections from Disney's *Beauty and the Beast*. The mood then changed, with a tribute to Mancini's works, featuring the theme to *The Pink Panther*, where the trumpet provided a rousing fanfare to complement the creeping quietness of the piano, and "Moon River".

The formal program was then completed with "The Flying Theme" from *E.T.* John Williams then promptly the audience and the Pops in a televised sing-along of "Happy Birthday" to celebrate the 100th anniversary of the opening of the Boston Public Library's McKim Building in Copley Square.

Of course no performance would be complete without an encore. The Pops certainly did not disappoint, playing "S'Wonderful" by Gershwin and "76 Trombones" from *The Music Man*.

Williams received a well-deserved standing ovation, as a group of students screamed "We love you John!" The orchestra will clearly miss his services, but it will be in good hands with his successor, Keith Lockhart, who will lead the Pops for the rest of the season.

Grant Lee Buffalo masterfully shows skill and humor

GRANT LEE BUFFALO

Concert at Mama Kin.
36 Lansdowne Street, Boston.
Friday, May 12.

By Rahul A. Shendure

Over the past couple of years, Grant Lee Buffalo have had the opportunity to open for Paul Westerberg, Pearl Jam, and R.E.M. while headlining their own tours in between. They rolled into town this past weekend, however, to open for the Cranberries at the Orpheum Saturday night. Apart from the fact that I'm not a big Cranberries fan and the acoustics at the Orpheum leave a bit to be desired,

tickets for the show have been sold out since the fall.

So when I heard that the Los Angeles-based band was playing an invitation-only show at Mama Kin on Friday, I swallowed my pride, called up WBCN (who broadcast the show live) and successfully begged to be put on the guest list. But if the fact that they were touring with the Cranberries wasn't a big enough surprise, who should come out to introduce the band but Judy Tenuta. It was a very strange beginning to what would be an incredible performance.

The group opened their set with the scathing guitar of "Sing Along," off the band's current album, *Mighty Joe Moon*. The follow-up to their first album, *Fuzzy, Moon* is

chock-full of songs perfect for the live experience. Grant Lee Phillips' guitar and voice emanated raw power and emotion right from the opening bars, as did the intense playing of Paul Kimble on bass, organs, and background vocals, and Joey Peters on drums and percussion. After Phillips ditched his black Les Paul for his trademark double-pickup 12-string acoustic in overdrive, the band plowed into the album's title song and "Drag."

One of the remarkable aspects of hearing Grant Lee Buffalo live is the apparent existence of multiple guitars, acoustic and electric, on the stage at once. The richness of the instrumentation on their recordings was intensified tenfold even as they stripped down to playing just the bare essentials: gui-

tar, bass or organ, and drums. Ripping into solos that made you swear he was playing an electric, Phillips masterfully demonstrated his untraditional approach to playing acoustic guitar. Whether he was playing organ or bass, Kimble gave the music a full and strong foundation. Locking into a tight groove with Kimble on bass, Joey Peters more than adequately powered the band from the back.

Although the stage banter was kept to a relative minimum, it was clear that the band was having a good time. Thanking all the "Bo-Stone Age men and women" for showing up, Phillips, with his black baseball cap drawn

Grant, Page 9

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Crumb offers a poignant portrait of a tortured artist

CRUMB

Documentary by Terry Zwigoff.
Coolidge Corner Theatre.

By Rob Wagner
STAFF REPORTER

Shot over a period of six years, *Crumb* documents the life "underground" artist Robert Crumb. Winning critical acclaim nationwide as well as the Grand Jury Prize at the Sundance Film Festival, *Crumb* deftly studies the personality of an extraordinary artist and his family. In interviews of nearly everyone who ever had anything to do with Robert Crumb, director and longtime friend Terry Zwigoff paints an extremely detailed picture of a man who many believe to be one of the great artists of our time.

The film starts out on a hilarious note, showing Crumb drawing portraits of the girls he once liked in high school. One to whom he was "oddly attracted" is an Eastern European exchange student who never shaved and who

smelled constantly.

As we learn, Robert grew up in Philadelphia with his four siblings: Charles, Sandra, Carol, and Max. Carol and Sandra declined to interview for this movie, while Max and Charles supply more information than necessary.

Their father, Charles Sr., was a career Marine and a tyrant of a father. He wanted to raise strong sons, but ended up with three "wimpy weirdos." All three sons turned into artists, but only Robert became apparently sane. For instance, in his apartment Max sat on a bed of nails for three to four hours a day and passed a long cloth through his digestive system once a month to clean it out. Charles, living at home with his mother, took tranquilizers and attempted to commit suicide several times. Never leaving the house for years, he felt there was nothing worth seeing in the world. Charles committed suicide a year after filming was completed.

This documentary uses its topical slant to weave a very tight documentary. When it

makes a point about Robert Crumb, it provides clips of interviews with many people talking about that specific subject. Yet even this style tires quickly.

The movie clearly shows how Crumb is plagued by bad memories concerning his most works. Crumb once lost a copyright lawsuit over "Keep on Truckin'," his most famous work placed on everything from truck mudflaps to coffee mugs. His character Fritz the Cat was turned into the first X-rated full-length animation film, which he viewed as so awful that he killed off Fritz in his next comic book to prevent other movies from being made about it. His album cover for Big Brother and the Holding Company (featuring Janis Joplin), provoked him to decline offers for other album covers, including one for the Rolling Stones. His most famous characters in Zap Comics — including Mr. Natural, a naked, bearded old man — were created while he was on LSD.

More important than the descriptions of his work, though, is Zwigoff's poignant biogra-

phy of Crumb himself, which seeks to explain his reason for existence. Crumb felt that society had rejected him when he was young, and he sought revenge by becoming famous. His drawings, which he could create very quickly, demonstrate this bitterness toward society. Often seen as pornographic, and almost always interpreted as misanthropic, Crumb's works reveal his inner nature.

The supporting cast — the interviewees — sometimes drown the viewer in psycho-babble about his work, at which Crumb immediately rolls his eyes. The best scenes in the film avoid this nonsense so that viewers can judge Crumb and his work for themselves.

Other scenes, describing Robert's childhood and a bully named Skutch, who beat up Charles and whom all the girls liked, also provide a glimpse at Crumb's defining adolescent experiences. The viewer may analyze these views of Crumb, but it is better just to accept *Crumb* as a visual journey through modern pop culture.

Princess is a little too sweet, but ultimately endearing

A LITTLE PRINCESS

Directed by Alfonso Cuarón.
Written by Richard LaGravenese and Elizabeth Chandler; based on the novel by Frances Hodgson Burnett.
Starring Eleanor Bron, Liam Cunningham, and Liesel Matthews.
Copley Place.
Opens Friday.

By Teresa Esser
STAFF REPORTER

A Little Princess is an enchanting movie that succeeds in drawing in skeptics against their will. Sometimes gushy and always cute, the film provides an in-depth look at a blissful childhood fantasy that is suddenly interrupted.

The characters portrayed in the film version of Frances Hodgson Burnett's play provide a veritable collage of stark contrasts. Sarah Crowe is portrayed as a little angel: beautiful, poised, and rich. Her romanticized relationship with her exceedingly dotting and chivalrous father is nothing short of idyllic;

They waltz together on the deck of a transcontinental steamer, huddle together, and even "memorize" one another's faces before he leaves to fight in World War I.

Throughout the film, Sarah's angelic nature removes her from the petty concerns of the other girls at her boarding school. She is beautiful; they are fat. She is wealthy beyond belief; their working-class parents must scrimp and save to keep their daughters in school. Sarah learned to speak fluent French while living in the exotic and wonderful land of India while the other girls have been trapped in their rooms, forced to endure endless hours of rote memorization. In addition, Sarah's godlike Indian tutors have instilled in her a sense of decency and self-respect strong enough to carry her through even the most trying situations.

"You are my little princess," Sarah's father tells her. To Sarah, every girl is a princess, regardless of what kind of house she lives in or whether or not her clothes are full of holes.

Sarah's child/saint character counterpoints the wicked witch of Miss Mitchum, whose chief goal in life seems to be to terrorize her

adolescent pupils as much as possible. It is not clear exactly why she hates the girls so much; but then, most children probably wouldn't ask.

Perhaps it is the overly romantic nineteenth century writing style that lends the film its artificially sweet air. Or perhaps the movie is targeted toward young children. At any rate, it is often difficult to accept a cast of characters who are either exclusively good or evil. Sarah has no flaws, for example. Like a pre-teen Barbie come to life, she accepts all of the other children as equals, offering them friendship even when they reject her.

All criticisms aside, however, the movie excels in its ability to communicate real-life problems to an extremely young audience. Sarah's covert friendship with the black servant Becky highlights both their racial and economic differences. Later in the movie, when Sarah loses access to her father's fortune, the movie emphasizes the importance of judging others solely on the strength of their character. This virtue plays out, for instance, when Becky reciprocates Sarah's blind gen-

erosity, her ability to see past class and race.

Sarah's ongoing bedtime stories serve both to enchant the other girls with her remarkable background and to bring Mr. Crowe's actual war experiences home to the young children. Everyone gasps when Sarah's hero succumbs to poison gas in the playground of Sarah's fantasyland; what they don't realize is that Sarah's real-life heroic father is just then collapsing under a cloud of chlorine. This ongoing dramatic parallel is one of the movie's best features.

The *Little Princess* also derives an element of magic from the wise but silent background character of "Sahib," an Indian fairy godfather who watches over Sarah and provides the strategic informational cues needed to bring back her happy days.

In the final analysis, *A Little Princess* provides an excellent cinematic diversion for a young child or any adult who still believes in magic. The scenery and costuming are second to none, and parts of the film are genuinely thrilling. If a viewer can get past the first half hour of pure sap, he or she will be surprised the movie's subtle brilliance.

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Tim's Journal

by Anders



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Sheila C. Rocchio '97

The Howard W. Johnson Award

Ethan A. Crain '95

The Malcolm G. Kispert Awards

Jesse C. Darley '95
Agnieszka Reiss '95

The Laya W. Wiesner Award

Maribel Lee Delfaus '95

The Albert G. Hill Prize

Keith V. Bevans '95
Steven T. York '96

The Ronald E. McNair Scholarship Award

Nika Carlene Lee '95

The Frederick Gardiner Fassett Jr. Awards

Dan Dunn '94
Alison L. Walters '96

The James R. Killian Jr. Community Service Award

Chi Phi fraternity

The Order of Omega New Member Education Award

Sigma Chi fraternity

The Reid Weeden '41 Alumni Relations Award

Alpha Phi sorority

The Irwin Sizer Award for the Most Significant Improvement to MIT Education

Shane B. Crotty '96
Shigeru Miyagawa,
professor of foreign languages and literature

The Graduate Student Council Teaching Awards

Arnold I. Barnett,
professor of management
Munther A. Dahleh,
associate professor of electrical engineering and computer science
Michael Dennis,
professor of architecture
G. Peter Wilson
associate professor of management
Tom Srcek G,
department of civil and environmental engineering

The Edward L. Horton Fellowship Award

Sangam (Indian students' association)

The Everett Moore Baker Memorial Award for Excellence in Undergraduate Teaching

Kirk D. Kolenbrander,
assistant professor of materials science and engineering
Elena Ruehr,
lecturer in music and theater arts

The Bose Award for Excellence in Teaching

Philip M. Gschwend,
professor of civil and environmental engineering

The Association of MIT Alumnae Award

Christina A. Onafryk '95

The Goodwin Medal

Todd S. Anderson G,
Department of Chemistry
David W. Laws G,
Department of Urban Studies and Planning

The Laya and Jerome B. Wiesner Awards

Edward W. Kohler Jr. '95
Lian Quan Zhen G
MIT Dramashop

The Louis Sudler Prize in the Arts

Erin E. McCoy '95

The Gordon Y. Billard Award

Harold L. Brown, Jr.,
mens' and womens' sailing coach,
sailing master
William L. Porter and Lynn W. Porter
Burton-Conner Housemasters

The James N. Murphy Award

Joseph M. Doshi,
administrative assistant,
Department of Materials Science and Engineering

Leslie Regan,
administrative assistant,
Department of Mechanical Engineering graduate office

The Karl Taylor Compton Prizes

Joseph J. Bambenek G
Prashant B. Doshi '95
Susan L. Ipri G

Bambenek, Doshi, Ipri Win Comptons

Awards, from Page 1

diverse devotion to the graduate student body" for his work on housing issues in the Graduate Student Council, Smith said.

Bambenek, chair of the GSC Housing and Community Affairs Committee over the past year, lobbied the administration on behalf of graduate students concerned over the future of their housing.

Ipri's "grace, humor, compassion, and brilliantly creative leader-

ship" on many student issues were recognized in her award, Smith said. Ipri, outgoing GSC secretary, was honored for her work on Safe Walk, the Corporation Joint Advisory Committee, and GSC initiatives. She is "always improving life at MIT for others," Smith said.

Doshi, a two-term Interfraternity Council President, was recognized for his leadership in the IFC and development of race and gender relations programs.

Students Approve Of New PE Lottery

PE, from Page 1

from students, dissatisfaction with the registration system "was a comment that frequently came up," Kelly said.

The new system will be in use at least through the last quarter of the 1995-96 school year, including IAP.

While Kelly does see the new

system as being more fair, something will be lost in the switch, he said. There was a "personalized aspect" to the old system, he said. A registrant "could ask questions of the person who in most cases was the person that was going to be teaching the class."

"It was first come, first serve, and everybody knew that," Kelley said. In theory, "everybody had the same shot to get there early; now it's sort of the luck of the draw."

But by and large, students agree with Kelly that the new system is clearly a change for the better.

"I didn't like standing in line," said Stephen J. Masterman '96. "It's just a couple of hours. If you missed that, you couldn't register for PE."

Sameer S. Gandhi '97 agreed. "People usually don't know when PE registration is," he said. The lottery window would eliminate that problem, he said.

"Standing in line is only for popular choices" and anyone can get into undersubscribed class by simply attending the first one, said Jacob B. Schwartz '98.

Students, staff, and faculty will be able to access the system by typing 'add pelott' and then 'xphe-du &' from an Athena workstation or just 'phedu' over a dialup connection. Those without Athena access can use the system by visiting the Physical Education Office in W32-125.

David D. Hsu contributed to the reporting of this story.

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 MIT Sailing Master Harold L. "Hatch" Brown (right) accepts the Gordon Y. Billard Award for "special service of outstanding merit" to the Institute from President Charles M. Vest at yesterday's Awards Convocation.

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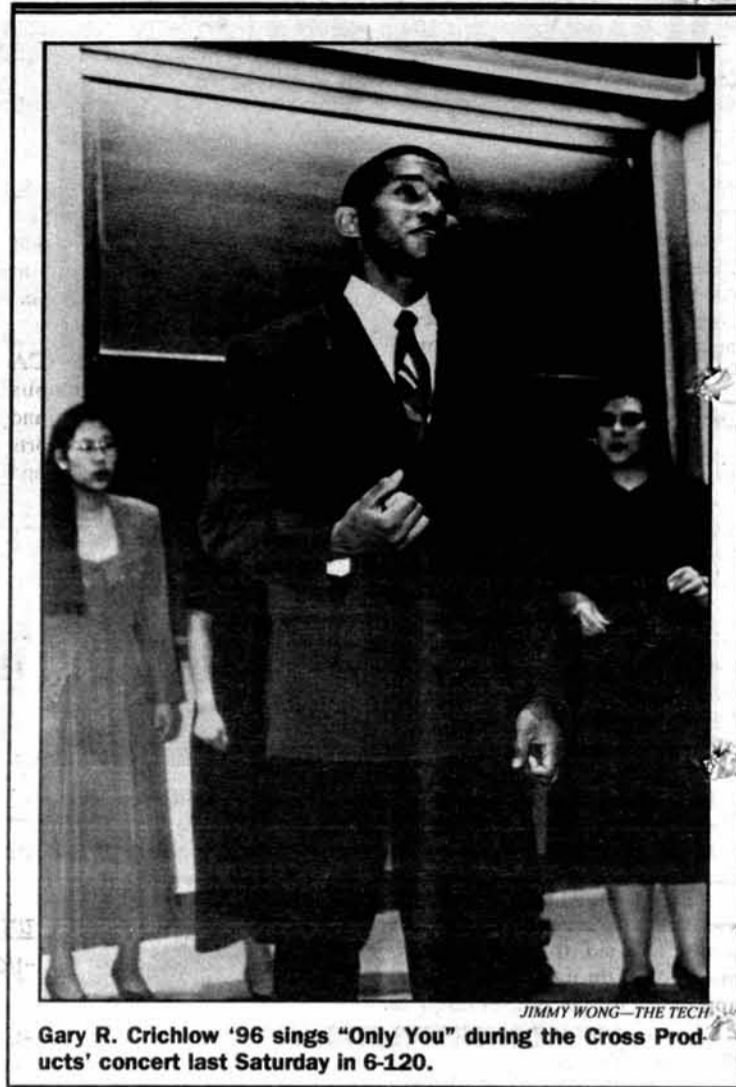
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Group Examines Students' Problems

RCA, from Page 1

After a replacement for outgoing Dean for Undergraduate Education and Student Affairs is selected, the committee will present their recommendations to the new for approval, Jablonski said.

Communication emphasized

The RCA office, housemasters, and tutors were concerned "about protecting the privacy and confidentiality of students," according to a draft report from the information flow committee.

Many of the proposals focus on the problems undergraduates may experience, the report said. The committee seeks "a well-developed and functioning communication network" to inform tutors and housemasters about the problems.

Housemasters and tutors will have more responsibilities helping students resolve problems, Jablonski said.

A notification list of people who should be contacted in emergencies will be created, the report recommended. A tutor-on-duty will be appointed by the housemaster to handle situations if the housemaster is unavailable.

Standardized procedures for specific crises, like sexual assault, will be drafted and distributed to the housemasters and tutors, the report said.

When a student faces academic problems "our conclusion was that housemasters and tutors should only

be informed when the student has to appear before the Committee on Academic Performance at the end of the semester and has been put on probation," according to the committee's report.

In discipline cases, the RCA office will work with Campus Police and the Dean's Office and make sure relevant police reports are distributed to housemasters and tutors, the report said.

10K May Be 100K Next Year

10K, from Page 1

an entirely new way of interacting with computers," Thomas Massie said. "We have monitors for seeing, and audio speakers for hearing ... finally, the Phantom enables touching." The Phantom was part of Massie's undergraduate thesis.

The Phantom could be used for medical training, computer-aided design applications, tele-operations, and an interface for the blind, Massie said.

\$10K could be \$100K

"The \$10K Competition is an extracurricular component of MIT's broader efforts to educate and

inspire the next generation of MIT corporate founders and leaders," Bonsen said.

The competition has expanded since last year from 33 to 45 teams. Bonsen attributes the expansion to stronger full-semester and IAP courses and "several mixers among entrepreneurial science, engineering, and Sloan students."

Next year, Bonsen anticipates that the prize fund might increase ten-fold to \$100,000 to attract a greater number of participants and to properly seed-fund their development. During the first semester, a business concept competition will be launched to encourage earlier and better prepared participation in the second semester full business plan competition, he said.

Notice to All MIT Students Planning To Take Fall '95 Sloan (Course 15) Subjects

To better manage increasing enrollment demand for its classes, the Sloan School is implementing a registration priority system during pre-registration for its Fall courses.

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- You will be notified of your Sloan enrollment status on Registration Day, September 5 1995.

For further details, refer to the Fall Term MIT Registration Information Bulletin (available 5/8/95) or contact the Sloan Educational Services Office in E52-171 @ 253-1510.

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Track Places 3rd At Division III Contest

By Keith Szolusha
TEAM MEMBER

The men's outdoor track and field team competed at the New England Division III championship Saturday at Tufts University and walked away with a third place trophy. An unmatched Williams team cruised to first place with 173 points, far ahead of second place Tufts (107) and MIT (72).

Matt Sandholm '96 led the scoring with 16.25 points, which included a victorious effort in the 100 meters with an impressive time of 10.90 seconds. He also placed third in the 200 meter, in 22.40, and anchored the sixth place 4 by 100 meter relay team that finished in 44.04.

Tri-captains Andy Ugarov '95 and Ethan Crain '95 each earned 16 points for the team. Ugarov won the triple jump, with a leap of 45 feet, 2-1/2 inches, and placed third in the high jump with his best jump of the season, which cleared a height of 6 feet, 7 inches.

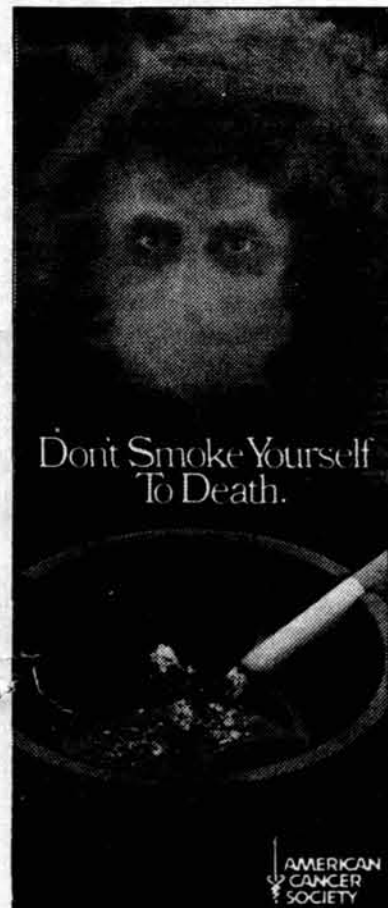
Crain continued to dominate the 1500-meter race with a first place time of 3:55.41. He also placed third in the 800, with a time of 1:57.23.

John Wallberg '96 placed in all three of the throwing events he entered — hammer throw, shot put, and discus. Wallberg hurled the hammer 185-9, to secure first place. He also earned fifth place in the discus with a throw of 147-4, and his mark of 45-3.75 in the shot put was good enough for sixth place.

Josh Feldman '97, recovered from an injury that he had battled all season, placed third in the 10,000-meter race with a time of 32:51.36. Arnold Seto '96 placed fifth at 32:58.70.

Edgar Ngwenya '96 captured sixth place in the 800-meter with a time of 1:57.74. Keith Szolusha '97 got sixth in the javelin with a throw of 163-8. Lincoln Bonner '95, Akin Aina '97, and tri-captain Colin Page '95 teamed with Sandholm in the relay, where they finished sixth.

This meet was the last of the season for most of the team, but Sandholm, Ugarov, Crain, Wallberg, and Jesse Darley '95 are all going on to compete at the all-New England meet this Saturday, aiming for the Division III national championship.



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3-1-8 REST
Prof. Chris J. Marone
Meets MWF 11:00 - 12:00

Earth



12.102 Environmental Earth Science

Prerequisite(s): None
3-0-9 REST
Prof. Sam Bowring, Prof. John Southard
Meets TR 10:30 - 12:00

Atmospheric



12.003 Physics of the Fluid Earth

Prerequisite(s): 18:02, 8:01
3-1-8 REST
Prof. John Marshall
Meets MF 10:00 - 11:00, W 9:30 - 11:00

& Planetary
Sciences



12.400 The Solar System

Prerequisite(s): 8:01
3-0-9 REST
Prof. Rick Binzel
Meets TR 10:30 - 12:00

Other Fall Courses (Non-REST)

- 12.006 Chaos and Complexity
TR 10:30 - 12:00
- 12.109 Petrology
TR 10:30 - 12:00, Lab TR 2:00 - 4:00
- 12.113 Structural Geology
TR 11- 12:30
- 12.114 Field Geology I
TBA
- 12.201 Essentials of Geophysics
MWF 9:00 - 10:30
- 12.215 Modern Navigation
MW 10:30 - 12:00

- 12.300 Global Change Science
TR 3:00 - 4:30
- 12.301 Past and Present Climate
MWF 9:00 - 10:00
- 12.320 Introduction: Hydrology
TR 9:00 - 10:30
- 12.331 Fluid Dynamics
TBA
- 12.335 The Ocean in Climate
MWF 2:00 - 3:00

- 12.410 Optical Astronomy
MW 2:00 - 3:00

Department of Earth,
Atmospheric,
& Planetary Sciences
Course 12

For more information, contact
burns@mit.edu

SPORTS

Indians Have Best Outfield, Other Baseball Picks

Column by Craig Horenstein and Eitan Sabo

It is spring of 1995 and baseball is back. While some of you may be boycotting this year's season, fantasy owners are not complaining. Here are a few of our picks and a little insight into this season.

American League

First base: Last year's MVP, Frank Thomas, is sure to have another strong season, but may not be able to match his productivity of last year. The loss of Julio "Down by the schoolyard" Franco means that Chris "Spuds" Sabo will be batting fourth. If he doesn't provide good production batting clean-up, then the Big Hurt, baseball's best hitter, may walk over 200 times and never see a pitch over the plate.

Second base: Although he is sometimes taunted for his three errors in one inning a few years ago, Carlos "Bye Bye" Baerga is still the best second baseman in baseball. Despite walking just 10 times all of last year and swinging at every pitch between the foul poles and under the lights, his lack of discipline is overshadowed by his 200 hits in the season. This season could be Baerga's finest yet.

Third base: Although Golden

Glove winner Robin Ventura has lost some of his fielding touch, with eight errors in his first eight games, at least he can still hit. Well, maybe not. Two weeks into the season, the White Sox's sweet swinger is only batting .161, a far cry from his .400 campaign at Oklahoma State University.

Shortstop: The Red Sox's John Valentin has become the premier shortstop in the AL, but don't be surprised if general manager Dan Douquette trades him before the season ends. The Sox are apparently interested in reacquiring the rights to left handed pitcher/Social Security recipient Larry Anderson. **Catcher:** After sitting out all of last season, 1990 World Series hero Joe Oliver has found a new home in Milwaukee and has had no problems adjusting to AL pitching. Unfortunately, he may lose his starting job when Dave "I got bit by a mosquito" Nillson returns from his bout with the all-too-common Ross River virus.

Outfield: Although there is no shortage of talent in American League outfields, the cream of the crop plays in Cleveland's beautiful Jacobs Field. Considered to be last year's roto player of the year, Kenny Lofton is sure to be among the AL leaders in hits, runs, and steals. Albert "Don't call me Joey"

Belle is simply awesome. Even without a corked bat, expect him to hit .350 with 50 homers and 150 RBI's.

Starting Pitcher: The Royals' Kevin Appier appears to be back in top form and is our favorite to win the Cy Young Award. The oft-overlooked Ricky "Role the" Bones of Milwaukee should have another All-Star season, as should our sleeper for the year, Seattle's Chris Bosio.

Relief Pitcher: Out of the bullpen, John Wetteland is unstoppable, and if the Yanks win 100, the left handed fireballer will save 50. As always, there are several sleepers in this department. Watch out for the A's Mark Acre, Texas' Darren Oliver, the O's Armand Benitez and the Brewers' Graham "Cracker" Lloyd.

National League

First base: Jeff "Brown Paper" Bagwell, last year's NL MVP, is off to a slow start, but is too good not to put up Astro-nomical numbers. Andrés "Le Grand Chat" Galarraga, at age 34, is in the best shape of his life and has his eyes set on the MVP trophy. Playing in Colorado will only help his chances.

Second base: With a career minor league on-base percentage of

almost .400, Florida second baseman Quilvio Veras has a knack for reaching base. The speedy Veras could steal sixty bases and run himself into NL Rookie of the Year.

Third base: Bobby Bonilla should return to his old form and have the type of year that earned him his record 5-year \$29 million salary. Ken Caminiti, batting fourth for San Diego will have another great year and the Cardinals' Todd "Hitting with" Zeile had a strong finish in 1994, but is currently out with a wrist injury.

Shortstop: Cincinnati shortstop Barry Larkin will contend for the NL Batting Championship if he can stay away from injuries year. Wil Cordero is the best power hitting shortstop in the NL and will keep the Expos competitive, despite their offseason garage sale.

Catcher: Benito "El Supremo" Santiago is back, this time in Cincinnati, and with yet another new life, he may yet regain his spectacular offensive form. The Colorado air has helped Joe Girardi, who is on pace to have 216 RBIs, but Mike "Pepperoni" Piazza is by far and away the best catcher in the league.

Outfield: Dante "Inferno" Bichette and Larry "Sky" Walker are sure bets in Colorado. Expect

them to combine for 80 homers and 200 RBIs. Meanwhile, Barry "U.S.S" Bonds will resume his position as league MVP and wants to go 40/40. Another 40/40 candidate is Florida's Gary Sheffield "of Dreams," who spent the winter in the weight rooms.

Starting Pitcher: Atlanta's starting pitching should be better than ever this year. We certainly wouldn't bet against Greg Maddux for his fourth consecutive Cy Young.

Relief Pitcher: Picked by "The Sporting News" to have the worst relief pitching in the NL, the Los Angeles Dodgers actually have a solid young bullpen in Al Osuna, Ismael Valdez and closer Rudy Seanez. The Reds also have an unbelievably talented pen with Johnny Ruffin, Chuck McElroy, Xavier Hernandez, Jeff Brantley, Hector Carasco and Mike Jackson. The best relief pitcher in the NL is undoubtedly the Expos' Mel Rojas, who will have at least 40 saves now that Wetteland is in New York.

Question of the week: The 1986 Pittsfield Cubs boasted two current major league All-Stars. Who are they and where do they play? Please send answers to eitan@mit.edu.

Heavyweight Crews Prepare For Races, 3V Beats Boston U

By Toby Ayer
TEAM MEMBER

The third varsity heavyweight crew raced Saturday against the University of Pennsylvania and Boston University. The other crews spent the weekend preparing for next week's Eastern Sprints races.

The third varsity four, consisting of Justin Manley '96 at stroke, Paul Marquardt '97, Luis A. Ortiz '96, and Ted Achtem '95, and Conan Hom '95 at coxswain, rowed a strong race, but with a disappointing end.

The MIT crew was well ahead of BU early in the race. Penn's two fours were quickly over one length ahead, but MIT continued to push at them.

According to Ortiz, the MIT

crew was "jockeying for contact" with Penn and were moving on them as they passed the 1500-meter mark at the MIT boathouse. But then the port-side oars slammed into a large buoy, completely disrupting the boat's rhythm. Despite an admirable recovery, Tech finished a few lengths behind Penn's 6:56 and 7:01 times, at 7:10. MIT still managed to finish far ahead of BU.

In the absence of a regatta this weekend to sufficiently exhaust them before the pre-Sprints "taper," the rest of the heavyweights put in some heavy practices. Both the first and second varsities rowed a series of short, competitive, but unofficial races against their BU counterparts on Friday, concentrating on the consistent, quick, and aggressive per-

formance that was varsity coach Gordon Hamilton's theme for the week. Both boats had mixed success against BU, neither losing nor winning all six 500-meter pieces.

While the second varsity crew spent Saturday morning doing 2500-meter tests on the indoor rowing ergometers, the first crew joined the heavyweight freshmen for 100-meter races. The freshmen were fast, but the varsity crew steadily moved on them and won every piece.

Sunday morning the heavies were on the water again, this time accompanied by three lightweight crews. Again the varsity won all four three-minute races, despite fast starts by both the freshman heavies and the varsity lights.



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