KRAMSCH LEAVES LANGUAGE POST

Expresses Discontent with Changes in Curriculum

SAYS LANGUAGE TEACHING WILL SUFFER

Professor Claire Kramsch, head of the Foreign Languages and Literatures (FLL) section, will resign her post effective June 30. Kramsch said she perceived a "breakdown in communications" regarding the role of foreign languages at MIT and felt she "could not give any leadership to the section anymore."

Kramsch was concerned about recent changes in the FLL curriculum that have taken place as a result of the revision to the Humanities, Arts, and Social Sciences requirement that were approved by the faculty last May. While acknowledging that the steps being taken were part of an effort to strengthen humanities overall at MIT, she felt some of the changes conflicted with the goals of language teaching.

For example, the new HASS-D requirement of 25 hours of writing in all distribution courses puts a strain on language instruction classes which try to maintain a balance between speaking and writing exercises, Kramsch said. Kramsch said some professors had suggested that a portion of the writing could be done in English, but she said that was not at all what language teaching was about.

"The Coalition to Humanize MIT" is asking graduating seniors to sign a "pledge of social and environmental responsibility," and proposing that MIT include taking this pledge as part of future commencement ceremonies.

The faculty approved the changes conflicted with the humanities curricula.

The documents reveal "a major scandal," according to David Kairys, Noble's attorney. "I have never seen a process rigged like this," he said.

Noble, now a professor at the University of Delaware, filed a $2.5 million lawsuit in September 1986 charging the Institute with violations:

- Illegal operation of a cash bar.
- Illegal use of nitrous oxide as part of a pledge party.
- Use of alcohol after the Institute's initiation ceremony.
- Ongoing illegal use and availability of marijuana and cocaine by members of the fraternity.

"Pi Lambda Phi has... certainly fallen short of the expectations MIT carries for one of its approved living groups," Tewhey stated in the letter. Pi Lambda Phi maintained that it was unaware that the operation of the cash bar was illegal, according to Tewhey's letter. The fraternity further argued that the use of drugs.

FACULTY FAULTS

administration

"Shared Governance" Ignored In ACS Closing

The faculty approved the "census" of a report which faulted the procedures followed in the closing of the Department of Applied Biological Sciences and recommended that the institute formalize the process used to recognize and terminate a department at their May 18 regular meeting.

The Committee on Recogni-
Examining John Deutch's Pentagon connections

By Thomas T. Huang

The Department of Defense is pulling research that could boost the nation's economy and make it a military superpower, according to a Pentagon-sponsored study endorsed by John M. Deutch '61.

The group of five professors who obtained the report by The Tech — concluded that DOD-sponsored research, funded by DOD, was not being utilized for its full potential. "The Pentagon's advice is that research be carried out in a manner that assures that colleges and universities are involved in bright and motivated young people concerned with the national security," a study states.

The study was conducted for the Defense Science Board last summer, and a final report was issued to the secretary of defense last December.

"The system is better at generating new technology than at exploiting it," the report stated. "This is unfortunate, the report noted, since "the United States' technological advantages have been eroding in recent years."

The Department of Defense does not recognize the university's role in such research, but the report states that "DOD-sponsored basic research should be carried out in a manner that assures that colleges and universities are involved in bright and motivated young people concerned with the national security." The study calls for: "The system is better at generating new technology than at exploiting it," the report stated. "This is unfortunate, the report noted, since "the United States' technological advantages have been eroding in recent years."

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It was later that the defense department started the project known as "risk management," which involved the Department of Defense laboratories by changing certain personnel policies to encourage wider management to try to attract and retain the brightest young talent.

Faster technology development budgets were included in the report to encourage broader use of technology in solving national security problems. The report included: "The system is better at generating new technology than at exploiting it," the report stated. "This is unfortunate, the report noted, since "the United States' technological advantages have been eroding in recent years."

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"He has no business being in the administration," she said. "My guess is that [he] informed [his] mistake made it very easy for him to get MIT some of the grants."

Deutch said that MIT has a tradition of being involved in national affairs. He maintained that there was nothing inappropriate with his participation in national policy discussions.

Deutch said he knew he had to be careful "just in case for special favors for MIT" in his capacity (Please turn to page 11)
Rubes®

By Leigh Rubin

Federal jury finds drug kingpin guilty

A federal jury in Detroit on Tuesday convicted Charles "Chuck" Rayfield of drug trafficking charges, sentencing him to a maximum of life in prison.

The trial was the final chapter in a long and contentious legal battle that has been unfolding for nearly a decade. Rayfield was charged with conspiracy to distribute marijuana, cocaine, and heroin, among other drugs, over a period spanning from 1979 to 1988.

The case was one of many high-profile drug cases to come out of the federal courthouse in Detroit, and it helped to establish the city as a focal point for drug trafficking in the region.

Under questioning from Assistant U.S. Attorney Robert Platt, Rayfield acknowledged that he had been involved in drug dealing for more than 20 years, starting in the early 1970s.

Rayfield's defense attorney, John McHale, cast doubt on the government's case, arguing that there was no evidence linking Rayfield to the drug ring.

In his closing arguments, McHale highlighted the lack of physical evidence and the weaknesses in the government's case, including the testimony of informants and undercover officers.

The judge sentenced Rayfield to life in prison without parole, saying that it was necessary to deter others from engaging in similar activities.

The conviction was a significant setback for the defense, which had been working to secure a more lenient sentence for Rayfield.

Rayfield's sentence was the first of many to come out of the drug ring case, with other defendants expected to be sentenced in the coming months.

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Chicago bans public smoking

Chicago's ban on public smoking went into effect today, making it the largest city in the U.S. to implement such a measure.

The mayor of Chicago, Richard M. Daley, signed an ordinance into law earlier this month,生效 the ban on smoking in bars, restaurants, and other public places.

The ban is part of a growing national trend to restrict smoking in public places, with several other cities and states enacting similar laws.

The city council passed the ordinance after months of debate, with many residents expressing concern about the health impacts of secondhand smoke.

The ban is expected to have a significant impact on the city's economy, with some restaurants and bars already reporting declines in business.

Supporters of the ban argue that it is necessary to protect the health of non-smokers, while critics argue that it will lead to lost revenue for businesses.

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Economy improves, but moderate

The federal government's revised estimate of economic growth during the first quarter of the year shows the gross national product growing at an annual rate of 2.9 percent, up from the 2.3 percent rate initially reported.

Private economists had predicted an upward revision, but yesterday's GDP report shows not only economic growth, but low inflation as well. Analyst Hugh Johnson at First Albany Corporation says it looks like the economy will do well for the rest of the year.

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Weather

Today: Mostly sunny and warm. Winds southwest 5-15 mph. High 75-80°F (24-27 °C).


Sunday: Mostly sunny and warm with the surface high in excess of 70°F (21 °C). toolbar thunderstorms. High 76-82°F (24-28 °C). Low 60-66°F (16-18 °C).

Forecast by Michael C. Morgan

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**FRIDAY, MAY 27, 1988**

The Tech PAGE 3
**GRAY: EDUCATOR TO BUREAUCRAT**

**Column/Thomas T. Huang**

Gray, a professor of chemical engineering for the past 26 years, will retire May 31 and be replaced as director of MIT's Instrumentation Laboratory by Eric L. Maskin '79.

Gray joined MIT in 1956 as senior vice president and director of MIT's Instrumentation Laboratory. He will continue to work at MIT as an emeritus professor.

Gray said he began thinking about retirement a couple of years ago and that this past year, he began to scale down. He has already handed over some of his administrative responsibilities to Maskin.

Gray's decision to retire comes at a time when MIT is facing a number of challenges. The university is facing a budget crisis and is trying to raise funds to support its research and education programs.

Gray said he is looking forward to spending more time with his family and to continuing his work on cancer research.

He said he is also looking forward to spending more time with his grandchildren and to traveling more.

Gray said he is excited about the future of MIT and its potential to continue to be a leader in education and research.

He said he is confident that MIT will continue to be a leader in education and research and that it will continue to be a leader in the world of science and technology.

**Columns and editorial cartoons are written by individuals and reflect the opinions of the author, not necessarily of the newspaper.**

**Feedback**

Students should sign pledge of responsibility

**Editorial**

The Tech received a copy of the following letter which was distributed widely at MIT.

"I pledge to investigate thoroughly and take into account the social and environmental consequences of any job opportunity."

This pledge was presented to the student body by the Office of Student Life. The pledge was created in response to the growing concern about the social and environmental impact of the jobs that students take.

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Scientific illiteracy threatens democratic process

Scientific illiteracy is an increasing threat to the democratic process. If left unaddressed, this growing problem will undermine our ability to make informed decisions about issues that affect our lives. We cannot afford to ignore the need for a scientifically literate society.

I. Introduction

Scientific illiteracy is the lack of basic understanding of scientific principles and concepts. It is a significant problem in our society, and it poses a threat to our ability to make informed decisions about issues that affect our lives. Scientific illiteracy can be found in a variety of contexts, including the workplace, the media, and the political realm. It is not limited to any particular demographic group, and it can affect people of all ages and educational backgrounds.

II. The Impact of Scientific Illiteracy

Scientific illiteracy can have a significant impact on our lives. It can lead to misunderstandings and misperceptions about scientific issues, which can result in poorly informed decisions. It can also lead to a lack of trust in scientific experts, which can hinder efforts to address important scientific problems.

III. The Causes of Scientific Illiteracy

Scientific illiteracy is a complex problem with multiple causes. Some of the factors that contribute to scientific illiteracy include limited exposure to scientific information, a lack of interest in science, and a lack of opportunities to learn about science.

IV. Solutions to Scientific Illiteracy

There are several potential solutions to scientific illiteracy. These include increasing access to scientific information, promoting scientific literacy in schools, and encouraging public engagement with scientific issues.

V. Conclusion

Scientific illiteracy is a significant problem in our society. It can have a profound impact on our ability to make informed decisions about issues that affect our lives. We must work to address this problem by increasing access to scientific information, promoting scientific literacy in schools, and encouraging public engagement with scientific issues.


Feedback

Comment: It is important to address scientific illiteracy in order to ensure that our society is able to make informed decisions about issues that affect our lives. What are some potential solutions to scientific illiteracy?

Response: There are several potential solutions to scientific illiteracy, including increasing access to scientific information, promoting scientific literacy in schools, and encouraging public engagement with scientific issues.

Submit your feedback or ask a question about this issue using the form below.
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Freshman major stats indicate ECECS decline

By Katie Schwarz

The number of freshmen enrolling in the Department of Electrical Engineering and Computer Science dormitory room at New House, according to the MIT Registrar's Office count, dropped from 112 in the Class of 1991 to 101 in the Class of 1992. Twenty-four percent of the freshman class, compared to 30 percent at this time last year, will arrive at New House, according to the registrar. The drop in freshman enrollment over the past two years is consistent with the overall decline in undergraduate admissions to MIT since 1987.

Amit students widely noted the decrease in the number of freshmen this year. "It's a reflection of the overall trend," said one freshman arrive at New House. "It's a little bit easier to get around."

Tenth-year freshmen—students who are two years behind the incoming freshmen—are finding that they may have the upper hand. "In the last few years, there has been a lot of overlap between the classes," said one tenth-year student. "It's like being in a smaller class." The freshmen are split into four classes, based on their major. This year, only 50 students are expected to choose ECECS as their major.

More freshmen declared a major in EBCS than in the second largest third floor department, Mechanical Engineering and Aero-Astronautics, combined. Total enrollment in the School of Engineering, 54 percent of the Class of 1991, is down slightly from last year. The School of Science has 22 percent of the freshmen class. The same was true last year. Chemistry showed a sharp drop, with only 14 declared majors (management two percent and Architecture four percent) about the same as last year. Twenty-six out of 203 freshmen have not yet chosen a major.

New House, according to the registrar, will have 101 students living in it this fall. More than 60 students will live in dormitory rooms and in apartments and houses around campus. Of the 40 that have been assigned, 92 percent have been filled. Because the number of freshmen decreased this year, 101 dormitory rooms on the second floor were not assigned.

New House is the largest residence hall at MIT. It opened in 1972 and has been expanded several times since then. The dormitory is located on the north side of campus and is one of the few that is not part of a larger complex. The dormitory is located in the heart of the MIT campus, near the main library and the student center.

Scientists find second genetic code

By Ben Z. Zinner

Researchers in the Department of Biology at MIT have determined the specific genetic code used to translate proteins in the organism's genome. The code consists of three parts: the DNA sequence, the RNA sequence, and the amino acid sequence. The code is used to encode the information contained in the DNA sequence.

The genetic code was first discovered in the 1960s by Marshall Nirenberg and colleagues. They used a technique called mRNA translation to determine the code. They found that the code was made up of a series of three-letter words, or codons, that specify the amino acids that make up a protein.

Scientists have since discovered that there are two genetic codes in the cell, one for prokaryotic cells and one for eukaryotic cells. The prokaryotic code is the one used in bacteria and similar organisms, while the eukaryotic code is used in eukaryotic organisms, such as plants and animals.

The MIT researchers reported their findings in the May 12 issue of the journal Nature. In a accompanying article, Nobel prize-winning biologist Christiane Nusslein-Volhard described their findings as good evidence of a "second genetic code," and that the code is "older and more diverse than we thought." The code is called the "second genetic code." The second code is not the traditional genetic code, which is the one used by most organisms. The second code is used by some organisms, such as plants and animals, and is called the "alternative genetic code." The alternative code is used to encode the information contained in the DNA sequence.

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Pi Lam's rush revoked, as OSDA cites drug use

(Continued from page 1)

and alcohol was voluntary and was brought about by the fraternity, not by the house as a whole.

Hornstein noted that far worse offenses by houses have occurred in the past, but Pi Lambda Phi brought a suspension of rush privileges.

The suspension of rush privileges against Pi Lambda Phi was the first disciplinary action taken against any MIT fraternity in over 15 years, according to several fraternity members. The IFC is "wary of the decision" because it may not be the precedent for future Dean's Office action.

Hornstein said he considered the decision to suspend the house's rush privileges a "very strong action against the individuality of the fraternity" because it was "putting the organization in the face of the fraternity." In particular, Hornstein criticized the decision for "putting the organization in the face of the fraternity" with no freshmen residents next year, which places the fraternity in the financial predicament of having to pay rent on its five-man house for three years.

In addition, the fraternity had only five members and was investigating one disciplinary action against a member, prompting the Office of the Dean of Student Affairs to investigate.

The fraternity's Phi President Paul Davis '89 declined to comment on the ruling. Representatives from the house's Alumni Corporation and the university's fraternity also refused to comment on the action.

Future of house

The decision to suspend Pi Lambda Phi's rush privileges places the house in a financially difficult position of coping with no freshmen residents next year, Hornstein said.

The house can petition for a reinstatement when the IFC makes its decision. But the house will have to pay out of its own funds.

"Once a house is put on probation, it's very tough for them to continue," Tewhey said.

Three complaints about the fraternity's past record of infractions and "suspicious" drug and alcohol sanctions that we have had to take seriously are the basis of the suspension, according to Hornstein. In the 1980s, the house has had four occasions either received letters or put on probation for disciplinary reasons, he added.

"These are complaints that we have not been able to substantiate," Hornstein said.

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"These are complaints that we have not been able to substantiate," Hornstein said. But he added, "The direction the fraternity is taking is not one into which FLL will lightly.

Kramsch quits over changes

(Continued from page 1)

founded the writing requirement in distribution courses, noting that the requirement is "supposed to give students proficiency in English. [It] seems to me that having some of those 25 pages in English would be a sensible solution."

Also, Kramsch said, fourth-level language subjects were only pragmatically approved for distribution status — and they must be reviewed again in a year because the courses are former HUM-Dos.

Both third- and fourth-level subjects had distribution status under the old HUM-D system. Kramsch said she felt there was not enough appreciation of the humanistic context of language and that language learning was viewed as merely the acquisition of a skill.

In fact, Friedlaender commented that part of the issue is "whether basic language teaching should be in the whole HASS structure.

Kramsch was also concerned about the structure of the new humanities minor program as it was implemented for languages.

Because the entry level to the minor, not track set at the fourth-level language class, Kramsch said it would be difficult for students to complete a six-subject minor in a language in eight terms unless they began with advanced credit. The fourth level would be especially great for languages like German and Spanish, she said, but few students can study those languages in high school.

Friedlaender supported the minor requirement, saying that a minor should imply some sort of clear competence and that a student would have clear competence in a language after only three years, she said.

Friedlaender noted that similar institutions do not start their minor programs until after the fourth level. She viewed the current language minor requirement as a compromise for the School.

If "you wanted to make a minor accessible to everyone, you would start it at the first level, but that's clearly not acceptable," Friedlaender argued.

Kramsch said her main desire was to make it as easy as possible for as many students as possible to take language classes at MIT. Students will always be able to take language classes, she explained, but with the changes taking place the incentives are not there.

FACULTY'S RESEARCH INTERESTS

Kramsch also voiced concerns with matching the School's expectations in terms of scholarship for junior faculty with what the field produces. She noted that the section of the minority of "excellent teachers" because the type of scholarship they do did not match the school's expectations.

"The School obviously wants top-notch scholars," and they were not willing to believe that, she said. But FLL faculty have been involved in the planning research areas. Kramsch said such scholarship is more difficult to appreciate than narrow disciplinary work, she explained.
Faculty looks at ABS, tenure

(Continued from page 1)

Activists to present graduate pledge

(Continued from page 1)
CONGRATULATIONS!

General Motors Corporation is pleased to announce that GM Scholarships for 1988-1989 and 1989-1990 academic years have been awarded to the following students.

BOYD BUCHER  '90 Mechanical Engineering
HONOR JONES  '90 Mechanical Engineering
JACK KOTOVSKY  '90 Mechanical Engineering
AMY LUONG  '90 Mechanical Engineering

Boyd Bucher will be sponsored by Current Product Engineering of General Motors Corporation. Current Product Engineering (CPE) is located at the GM Technical Center in Warren, Michigan, at the Proving Ground in Milford, Michigan, and at the Desert Proving Ground in Mesa, Arizona. CPE has 25 technology centers that support the corporate engineering community. These centers focus on safety and crashworthiness, noise and vibration, structural life development, aerodynamics, vehicle dynamics, electro-magnetic compatibility, powertrain control systems, emission/fuel economy certification, and other specialized activities.

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Jack Kotovsky will be sponsored by the Fisher Guide Division of General Motors. Fisher Guide, headquartered in Warren, Michigan, is a supplier of automotive components to the international automotive industry. Fisher Guide is a world leader in seat and door systems hardware, exterior trim hardware, lighting products, and energy management systems, with manufacturing facilities in North America and Europe.

Amy Luong will be sponsored by Rochester Products Division of General Motors Corporation. Rochester Products is the world leader in the design, development, and manufacture of complete automotive systems for fuel, valve train, and emissions controls. Rochester Products, with its headquarters in Rochester, New York, and its facilities in Europe, North America, Mexico and Korea, supplies automotive components to the world's premier automakers.
Examining Provost Deutch's connections to the Pentagon

(Continued from page 2)

(Continued from page 2)

Face end conduct bio-warfare work

(Continued from page 2)

Deutch study finds need for stronger DOD-sponsored work

(Continued from page 2)

Three students robbed at gunpoint on Simplex

Friday, May 27, 1988
The Tech

Page 11
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Baltimore fires back at Congress

(Continued from page 7)

The Dingell committee's work completed and the NIH had just assembled. A previous NIH investigation had been completed and the NIH had just begun its investigation, the aide said.

The Boston Globe reported that four investigators from NIH were recently conducting interviews in the Boston area. The subcommittee aide identified this investigation as an interim team, whose membership includes the NIH institutional liaison officer, convened to make preliminary interviews while a formal panel is assembled. A previous NIH investigation panel was dismissed when two of its three members revealed conflicts of interest arising from publications they had co-authored with Baltimore.

The Dingell committee's work has been hampered by legal insufficiencies placed by the authors' lawyers, the aide said. Despite several requests for the original laboratory data, several "key pieces" in the investigation have refused to deliver the data to NIH, the aide continued. Dingell is reportedly considering subcommittees to compete the release of the data, the aide said. MIT Provost John M. Deutch '61 stressed that "MIT has delivered "all of the information in our possession" upon the committee's request.

One of the primary concerns of the Dingell committee is the difficulty faced by junior scientists who find evidence of error or fraud in the work of senior researchers. Pressing allegations of fraud or error can destroy the careers of younger scientists, who on later find it difficult to survive in their institution or even in the grant system, where senior scientists might sit on grant review committees, the aide said. As a result, much fraud remains unreported, he concluded.

MIT researcher Eisen said that reluctance to charge error or fraud could be largely explained by younger scientists' insecurity about their own competence and their unwillingness to challenge accepted authority. The difficulty of confronting a senior scientist is a real problem, he continued, but not an enormous one.

The controversy is "very serious for MIT," Deutch said. He also expressed concern over the possibility of inappropriate congressional action, saying that Congress is "very concerned about the difference between scientific interpretation and error or fraud.

The subcommittee aide said the committee is trying to be "as anonymous as possible" in pursuing the investigation. The aide pointed out that the authors were not called to testify so that the investigation is focused on the institutional review process, not the scientific merits of the truth. Deutch said that while he believed MIT would be able to satisfy the Dingell committee, he thought the investigation would probably not address the larger questions of striking a reasonable balance between governmental regulation and unimpeded scientific research.

He added that he felt current MIT mechanisms for handling reports of fraud or error were adequate, although some change might be required. Suggestions from NIH or the Congress would be appropriate, he said, although many colleagues who had not been involved thought the investigation would probably not address the larger questions of striking a reasonable balance between governmental regulation and unimpeded scientific research.

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Master of environmental portraiture is at MIT Museum

ARNOLD NEWMAN
Photography exhibit at the MIT Museum. Concludes through June 27.

By CHRISTOPHER J. ANDREWS

Brilliant photographs of smiling hands and shoulders posed against dreamy stippled backgrounds are the scourge of photo-portraiture, and Arnold Newman is a master. The acknowledged master of the environmental portrait, Newman makes informative pictures about his subjects in a voice elegant and clear.

Newman's carefully composed photographs are a study in their subjects. His camera almost always includes telling details about the sitter's profession, often times with a surprising elegance and economy of means. In one celebrated portrait, composer and pianist Igor Stravinsky's hand appears below the flowing curve of a grand piano lid; Stravinsky-as-pianist is depicted in a work of great formal beauty. Currently on exhibit at the MIT Museum, the collection of 65 immaculately printed black-and-white and color prints, looks like a Who's Who of the 20th century. Photography greats Bernice Abbot, Marc Ray, Bill Brandt, Paul Strand, and Ansel Adams all trusted Newman to make their portraits, as did artists Marcel Duchamp, Pablo Picasso, Georgia O'Keefe, Marc Chagall, Louise Nevelson, Edward Hopper, and Andrew Wyeth.

While colleagues Philippe Halsman's masterful psychological portraits rely upon subtleties of pose and expression to convey the sitter's personality, and sometimes dwell upon peculiar aspects of physiognomy (Halsman once published an entire book devoted to Salvador Dali's comical mustache), Newman's photographs generally tell us what the sitter does, in a clear and much-imitated style. Piet Mondrian is casually framed by his painter's easel; German industrialist Alfred Krupp sits prominently with enormous assembly lines receding in the background; Pablo Picasso, as-pianist is depicted wearing a mute and suit of oversized tweed, joined by a prim-looking Franz Kafka, as-writer. Newman's portraits are valuable as records of great persons, and are enormously interesting as photographs and art as well. His own aesthetic relies heavily upon form and design rather than the moody lighting of portraitist Yasuf Kouchi; abstract painter Adolph Gottlieb's black turf-lined eyes disappear against the huge black-and-white oval on his canvas, and Stravinsky sits poring over his scores in a room whose flooring resembles a giant chessboard.

No does Newman go to pains to capture his subjects in a moment of relaxation for the celebration figures, for the brilliant photographs, the Arnold Newman exhibit is a must-see.

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Art
A study of 15 Killian Hall concerts, it was indeed a "very rewarding year for graduating composers at MIT." Four concerts had been as a graduate, and a fifth was coming up. I have always been interested in compare notes and problems associated with their "more advanced" work on a "more speculative level." Two composers, Eric Ostling '88 and Julius Friedmann '88, had performed works at the Killian Hall concert. Ostling was also presented with the first Edgerton Award for Musical Achievement by Professor Harold Edgerton. Friedmann had previously received the Lapa and Jerome B. Wiesner prizes for High Achievement in composition. Ostling, who worked in aerodynamics and aerodynamics concepts of his studies in music, said that both fields served his interests in design. "It can be a lot of con- nections," he said. His interests in music are scientific — he is a member of the rock band "Ants." Edgerton also drew by the spontaneous and potential for improvisation.

The musical performances of the orchestra informed the "DNA" of the work in progress. Friedmann is a true "original" and his settings are remarkable. The piece had certain elements which demonstrated a real talent, and others which indicated a need for further development.

The next section, "Journal," gives a chronological description of activities on campus throughout the year. It rarely refers to specific journal entries.

The "Technique" section, which includes the "Roomns" section of the yearbook, and is in unnecessarily bad taste. Things developed were conceptually interesting and symbolic of the work of an emerging and clearly-talented composer.

Friedmann's music is quite another story. Friedmann is a comic, but also a dreamer; he likes to reflect as he laughs. His mind is in the depths of genius, his Four Dream Songs are witty, touching and rich from both a dramatic and a musical viewpoint.

Friedmann got the idea for the piece in his sophomore year. He encountered John Berryman's songs while taking a poetry class with Fanny Howe and was "inspired by them, by their humor, by the potency of their ideas." He also noted that Berry- man had written them in "the da capo form, and they stood out for musical set- tings."

An especially strong characteristic of Friedmann's work is his ability to form a good summary of important issues over the year; but the pictures themselves provide a good sense of the feeling of the various living groups on campus, the project the feeling of the various living groups on campus, the views of the living groups on campus, the taste.

To spice up the sometimes repetitive photographic essay, the Technique staff has used a variety of photo- graphic ideas. The photos are taken in intriguing locations — the picture of McCormick Fourth floor bathroom is a kitche-nous on the roof of Kresge is incred- ibly. There is also a use of clever pho- tographic effects, as in a fish-eye picture of French House.

These are over a few back in the sec- tion. This Episcopal PR's picture insect in- cludes a single frog. The pictures do project the feeling of the various living groups well. But the three by Kaye Napier, a picture in which a brother meets the camera is not really the overall style of the yearbook, and is in unnecessarily bad taste.

Some of the best candid in the year- book can be found in the "Gossips" sec- tion. The photographers here are amazingly good, and reflect the diverse environments and personalities of the students. The pictures are framed and exposed well, and include a creative per-tuerogaphy-

To finish a single theme before it is snatched from beneath them by another part, to start again at the beginning. Everything happens suddenly during this piece. In the course of two hours the actors die out, leaving a sparse percussion pas- sage behind. For a moment, each horn player picks up a key of his own during a terrifying modulation. The result is a up- beat and showy piece that always keeps the audience guessing. I wouldn't recommend it as a finale.

Two Hebreo Hymns were of missed suc- cess; the Hebrew language, which is unac- customed little heard in the western musical tradition, acted as a contrast to the choral works, a refreshing change from the thousands of de-Joos and Jesu- meen-freinds scattered throughout the vo- cal repertory.

In the first hymn, the singers were often divided into two choirs: the soprano and tenor sang lovely decant lines in elaborate counterpoint, while alto and tenor sang the chorus, which worked well. The second hymn lacked musical interest and seemed to often

versatile, harmonious set of relationships between the texts and the music, each of which seems to organically grow out of the other. "All of the music is genetically linked to the text. They have the same gen- eric," he said.

The violin and piano which accompany the harpsichord are both helpfully harpsichord- like in the drama. As Fried- mann summarized, "the piano line was set as a counterpart, counter-idea to the voice, the violin was set as an adjunc- tive voice... The violin was a real charac- ter. All of them were jokes." Friedmann's settings showed a fresh originality, but although his composition

(Footnotes)

Robert D. Newman/Technique

Technique 1988
Robert D. Newman, Editor-in-chief

By SARATHI KRISHNASWAMY

TECHNIQUE 1988
Robert D. Newman, Editor-in-chief

The "Technique" section, which includes the "Roomns" section of the yearbook, is a key feature of the Technique staff's work. The photographers here are exceptionally good, and reflect the different environments and personalities of the students. The pictures are framed and exposed well, and include a creative presentation of the overall style of the yearbook, and is in unnecessarily bad taste.

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Kendall Station musical sculptures sound harmonies of the spheres

THE KENDALL BAND
Installation by sculptor Paul Matisse.
Kendall/MIT MBTA Station.
Permanent exhibit.

BY CHRISTOPHER J. ANDREWS

WAITING FOR THE SUBWAY at Kendall Station last can be a long and lonely. The MBTA's ongoing renovation of the Red Line has transformed MIT's subway station, once a dark and dank midden suitable for raising medium-sized stink bugs into a cleaner, brighter waiting area that echoes with music of the spheres. Massachusetts sculptor Paul Matisse's installation of musical sculpture. The Kendall Band has made the improveable loading platform a far more human environment.

Without the participation of T riders, Matisse's creations are little more than smooth machined pieces of metal, although their aural mechanical simplicity has an appeal of its own. The Kendall Band come to life when passers-by push and pull the handles, setting the sculptures into musical motion.

The first of the three Matisse sculptures in the station, Pythagoras, is probably familiar to most MIT students. Twin sets of giant tubular chimes jut into the narrow space between inbound and outbound tracks. Long hammers swing to and fro, striking the chimes to produce rich, smooth sounds of metal, familiar to most MIT students. Twin sets of smooth machined pieces of metal, (although their austere mechanical simplicity has an appeal of its own.) The Kendall Band come to life when passers-by push and pull the handles, setting the sculptures into musical motion.

The Pythagoras sculpture is struck by a cran-lifted hammer. (Ker-
pler's non-Platonist worldview had a uni-
vogue of perfect geometric figures floating
about a system of nested chimes, each
singing a distinctive, pure note in perfect
harmony. Fittingly, Kepler sounds the
ominous note of one of the two chords used
in Pythagoras.)

Building the sculptures proved to be far more difficult than Matisse had imagined. Besides the technical challenge of produc-
ning a beautiful sound, there was the prob-
lem of making the machinery strong en-
ough. Subway riders seem a boisterous
troupe of noise, too much for a dedicated
artist. MIT's engineering department
saw the need for more sturdy solutions. (It was his apolites to riders while the sculpture was closed that began the series of artist/community dialogues that were most rewarding to Matisse.)

Hand-lettered signs advising people to
gently push and pull the levers were quick-
ly covered with constructive criticism,
amazingly written English. I loved seeing
a fingerprint. (Although most of the postings
did not ring the same way for two different
people. T riders are literally making their
music, as personal as a fingerprint.)

Kendall Band's chimes called for clever engi-
neering from Matisse, who has spent sev-
eral years working as a consultant for Arthur
D. Little. The chimes do not make a single

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By Jonathan Richoald

Cultural festivals do more than just expose audiences to foreign cultures. They are an instrument of international relations, bringing together peoples, they serve a valuable purpose. But they are not always without controversy, they may mask realities the visiting regime wishes to hide and give a false impression of the host country.

The impression given during many public cultural festivals is that the Soviets are open-minded, friendly, and eager to cooperate. During the Boston's recently-concluded "Making Music Together" Soviet-American cultural exchange festival was that glimmer had broken. There were reports of constraints for the Soviet musical community as well as for society as a whole. The Boston press generally relayed this message, rather than critically examining to look at what lay behind it.

Almost all of the composers stressed the positives of modern life in the Soviet Union, and they were unwilling to dwell on the problems that remain. Andrei Petrov, for example, could now freely compose as an aesthetic Stalinist opposition, it was said. But Petrov, asked in private whether he could directly address the tensions of contemporary life, replied that "I'm not a representative of the Soviet Union, talking about today's problems."

A number of the Russian students from Moscow and Leningrad Conservatories, the New England Conservatory as part of the exchange, were reported to be finding the constraints of their lives, refusing to spend time with the visiting Sovets. Glibre Glande ran an extensive story on the visit by the Soviet students, giving a very positive impression of their life in Moscow and Washington. But the interpreter was revealing a very different picture.

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Dundee sequel replaces good characters with cartoon-like caricatures

CROCODILE DUNDEE II

Directed by John Cornell.
Written by Paul Hogan and Brett Hagan.
Starring Paul Hogan and Linda Kozlowski.

At the Cheri, Chestnut Hill, and Somerville cinemas.

By PETER E. DUNN

You would expect that a sequel to "Crocodile Dundee" would fare well as a light, amusing film. The formula is not difficult: place Australian star Paul Hogan on the set and just let the cameras roll. Hogan's charm and charisma will do the rest. Of course you can't expect the freshness and naivety of the original, but that should not preclude the success of a follow-up - there are enough loose ends from the first film to generate plenty of motivation for a second. Yet "Crocodile Dundee II," like almost every Hollywood-generated sequel, manages to fall short of even this lowered standard of success.

If you've seen the trailer for "Dundee II" then you're already aware of every nuance and subtlety of the rather simplistic plot: Mick Dundee (Paul Hogan) and Sue Chazzy (Linda Kozlowski) have to flee New York City when some drug-dealers take a dislike to them; naturally, they retreat to the Australian bush. Unfortunately, if you've seen the trailer then you've also seen all the good jokes in the film which is unusual for a trailer, and it falls short of filling its quota in this respect as well.

Where the film is most lacking is in the believability of its characters. In the original, Dundee seemed a cartoon character - more than real worlds of gator hunting in the Australian outback and back-stabbing social politics in New York City. But despite outward appearances, Hogan has projected a sense of genuine dexterity, as if he knew Dundee was only playing the cartoon character and there was more substance beneath the shallow facade.

Dundee's repulsiveness remains in the sequel but the rest of the universe has been reduced to the same level of cartoon, with no underlying sense of reality: the supposed "gags" that Dundee recruits to help rescue Sue from the drug-dealers look like clean-cut yuppies with leather jackets and a megalomaniacal spread here and there; the Asian bounty hunters hired to track Dundee at first seem crude enough to match Dundee's wits but quickly slide into cowardly obduracy.

This use of cartoon-like characters lends an unconvincing air to the film. The unforgettable "That's not a knife, ... that's a switchblade!" scene came off so well in the original because there was a sense of reality to the mugging: the thugs looked real, the switchblade looked real, the situation felt real. The humor worked because it pulled the rug from under the audience's feet when they thought they were on solid, real ground. "Crocodile Dundee II" settles for cartoonishness at all levels, lending an unconvincing, childish, Saturday morning humor to the film.

This failure in the scripting and plotting is not helped by John Cornell's directing. Cornell tends to stay on screens after they have already been played out. The early sequence in New York finds the camera lingering overly long after the punchline, diffusing the humor instead of building on it.

Still, if Cornell lacks adeptness in handling humor, he shows some promise with drama and tension. The introduction of the drug dealers, and later the bounty hunters, shows an ability to quickly establish villainous character traits by using low and high camera angles and intelligently chosen close-ups. The failure of the film lies more in the poor script than in Cornell's attempts to make something substantial of it: he begins with a strong buildup of dramatic tension but this later falls flat as the villains act out of character.

The script, despite being written by Hogan himself, fails to make Dundee bring the drug smugglers more to the foreground. Undecided whether to focus on Dundee's humor or the comic-book fists-and-bullets plot, the film never finds a focus. Hogan might have done better to keep himself the center of attention.

The sequel does an even greater disservice to Linda Kozlowski, whose acting in the original won her a Golden Globe nomination. In the sequel, the successful journalist character turns into just another damsel in distress.

The original "Crocodile Dundee" had its flaws - most notably a wobbling second-half plot, straightforward, uninspired direction, and punchline after punchline - but made up for these mostly with Paul Hogan's acting, his unique sense of pithy one-liners, and some great location shots of Australia's Northern Territories. "Crocodile Dundee II" corrects none of these imperfections, and the poor script fails to make the most of the positive qualities found in the original.
Ron Howard's fantasy Willow is unoriginal but has good special effects

WILLOW
Story by George Lucas.
Directed by Ron Howard.
Starring Val Kilmer, Joanne Whalley, Warwick Davis, and Jean Marsh.
At the Charles Cinema.

By MANAVENDRA K. THAKUR

W illow is a fairly prosaic little tale to The Wizard of Oz, Snow White, Peter Pan, Gulliver's Travels, and other fantasy works. Willow's plot is just as one-dimensional and simplistic as Star Wars, and little more than a sword-and-sorcery fairy tale. While most viewers in 1977 had little memory of fantasy swashbucklers from the 1930s and 1940s, today's audiences have grown up with a glut of fantasy films and television shows. Willow's own versions of C3PO, R2D2, Vader, Solo, Skywalker, and Kenobi just aren't original enough.

The film does have enough technical proficiency to be worth seeing in 70mm now — if it's to be seen at all — rather than waiting for cable or video release. The special effects by Lucasfilm's Industrial Light and Magic are convincing, especially the trolls who crawl nimbly below rain and a telephoto lens. All the technology in the world can't make a rain-maker and a telephoto lens. All the technology in the world can't make Willow the narrative or even cinematic equal of films like Escalibur, Raiders of the Lost Ark, The Dark Crystal, and, ultimately, Star Wars.

Willow's design team put their dream team to work on Star Wars technology; but has good special effects learn Japanese, Spanish, French, German, Italian and many other languages.

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Friedmann's music is full of joy

(Continued from page 17)

The four voices were singing independently, resulting in a piece that lacked cohesion. The MIT Logarhythms presented a vibrant, crowd-pleasing rendition of the Tuleg King song "Amore," as arranged for unaccompanied voices by the versatile Friedmann. Everyone of the original recording was painstakingly transcribed for the human voice, while the group might have been just as successful with the vocal percussion without the help of computer, since in coordinating the tempos, rhythm, and harmonies displayed considerably more work. Although Friedmann's vocal systems had trouble understanding the difficult score, he seemed to get the job done and was too busy laughing at vocal lead Mike Lake's hilarious strutting performance to notice the well-prepared backgrounds so carefully presented by the Logos.

Friedmann's skillful piano writing is frequently sharp and aggressive, but perhaps too frequently. His March for Flute and Piano had a lively beat and spirited melodies, but fell just a hair out of control, more often than not the flute seemed to be accompanying the piano, a fairly dubious combination. While one cadenza for flute in the Somnambul in Piano worked well, the flute parts were not as effective, on the whole... the piano. (The work was written before Friedmann immersed himself in choral music, which strengthens the ability to write for non-vocal instruments.)

The Prelude was a sensuously impressionistic work reminiscent of Mendelssohn and Debussy's haunting tone poems that evoke images of the sea. A lyrical and-flowing motif connected the several flowing passages into a unified mood. Friedmann seemed incapable of funneling the musical fray, frequently adding the spicing to the the departure announced in the second verse of the first song, for example; and there is a moving microsecond for afterthought following the word "survived."

The play of rhythms in the second song does much to build up waves of tension. A fast anxiety underlines Henry's hopeless last, while Friedmann's dispassionate treatment of Byron's rational metaphors... (Continued from page 17)

Four Dream Songs are witty, touching, and rich from both dramatically and musically

not was tied to the texts in obvious ways, the voice seemed to ring naturally from the music. His understanding of both the content and rhythm of words flowed through, and baritone John Holobke's crisp singing with its excellent diction and attention to dramatic detail ensured those words-as-songs meant more than ever they could have been.

Each song is well-crafted, each with many moments to savor. Pizzicato adds spice to the the departure announced in the second verse of the first song, for example; and there is a moving microsecond for afterthought following the word "survived."

The second song opens with a dance-like trivialism; it ends with a coup de grace, a G flat on the piano, a horribly funny plonking sound that follows Henry's declaration that he's a "bad a most marvelous piece of luck, I died."

The fourth and final song is also the most successful; it is the most painful, profound, and yet still witty. As Friedmann said, he started the violin on B flat "to give that sense of weight, sense of solemnness and despair," yet the "tenure for 4th song is very airy in general." The voice is very dramatic here, yet in a subtle way that looks in on itself, that reflects anguish, but also a sense of timeliness. The violin part is intense, with an expressive melodic line; it was grippingly played by Philip Hue, who demonstrated throughout his performance a flair for caractère and becoming a part of Friedmann's special dramatic world. The soft darkness of the piano, played by Joe-Lian Yap, who also put in a more sensitive performance, brings tears to mark the words "This is not for tears;" very movingly composed and conveyed.

The final lines are the most complex musically and full of psychological insight. "Nobody is ever missing," come the last words and notes. The listener is left locked in the aftermath of the song's tragedy.

Pete Child, who served as mentor during the week's composition, felt Julio Friedmann has the ability to be a professional composer. Friedmann does have great potential, and we can expect him to be a valuable contributor of profound musical accounts of the human experience in the years to come.

Class of '88 reflects on confusion and accomplishment; morality and mortality

(Continued from page 17)

Overall, the technical quality of Technique '88 is superb. The group has set up nicely, and printed well. Some of the pictures could have been cropped differently, but that's the way we want it. Friedmann's delicious treatment of Byron's rational metaphors... (Continued from page 17)

WAAF

Joe Alfano '88
A TAXING WOMAN

Written and directed by Juzo Itami.
Starring Nobuko Miyamoto and Tsutomu Yamazaki.
At the Coolidge Corner Cinema.

By MANAVENDRA K. THAKUR

The metaphoric title of Juzo Itami's latest film is a match for her limited authority as an auditor. Hideki Gondo (Tsutomu Yamazaki), a single-minded tax inspector, is shown in a scene where an agent sticks his foot in the doorway to keep Gondo's mistress from slamming shut the door. After she starts beating on his shoe, he casually says, "Ma'am, they're safety shoes, used in a factory. Even a crack couldn't crush them!"

Nothing is sacred to tax inspectors, either. On one of Ryoko's first assignments as inspector, the agents strongly suspect a woman of having hidden a safe-deposit box key within her bra. Ryoko's male colleagues ask Ryoko to search the woman, but the suspect takes off her clothes first. In a melodramatic fit of anguish, she cries, "Women have another hiding place. Do you want to search it too?" Of course, the woman is evading to play on the agent's sympathy, but the point is that if Ryoko hadn't just found the key under the kitchen sink, the agents probably would indeed have searched her body thoroughly. Itami's satire in this scene is rooted in how easily both officials and citizens agree to transgress social and privacy limits for the sake of money.

Because everyone is probably guilty, most investigations in the film turn out similarly. It's not until the very last scene — filmed at the top of an empty stadium overlooking the city — that Ryoko and Gondo step back to take the longer view of the tax rat-race. Itami ends the scene and the film with an updated variant of the classic tradition of hara-kiri, making it especially poignant and appropriate to modern day Japan.

Itami's cinematic realization of his script is most noteworthy for the excellent acting by both Miyamoto and Yamazaki. Their performances in this film are much more nuanced than in either of Itami's previous films. In fact, Miyamoto told The New York Times that, because "The few women inspectors in Japan do not behave like [Ryoko] ... I had to look to Americans" to find strong female characters. The stars' acting makes up for the inconsistent shot composition by Itami and cinematographer Yozejio Monda, who can't seem to make up their minds whether to shoot in 1.33:1 or 1.66 aspect ratio. Other technical production values are good, but none-particularly stand out, even upon a second viewing.

Itami's film precedes the American film Broadcast News. Both are roughly equal in entertainment value, both explore themes that resonate deeply with their respective societies, and both are full of wit and bellylaughs. Unlike Broadcast News, a Taxing Woman swept the Japanese Academy Awards and became the fourth highest grossing film in Japan in 1987. A Taxing Woman isn't a great film, from either the standpoint of comedy or cinematic accomplishment, but it is a good one. And it certainly confirms Itami's reign as the Japanese filmmaker most in tune with contemporary social reality. His greatest gift is his tireless willingness to explore and capture these realities.

---

A Taxing Woman. Nobuko Miyamoto in Juzo Itami's film, Tokyo, Japan. Photograph by Bruce Ife.
Announcements

Looking for a summer job? The Energy and Environmental Policy Center based at the Kennedy School at Harvard University has a number of paid internships available. A background in energy or the environment is not necessary. If interested, please contact Christina Doyle at 495-3551 or come to Belfer 509 at the Kennedy School of Government.

The I. Austin Kelly III Prize Competition for 1987–88 is now open. The competition consists of two prizes for the best scholarly or critical papers in literary studies, history, semiotics, anthropology, and the other humanities. Judging and guidelines are available in Room 14N-409 (x3-4464).

The Student Conservation Association is continuing to accept applications from persons interested in 12 weeks of work, expense paid internships in national parks, forests, wildlife refuges, and other conservation areas across the US. For an application and a list of positions open, contact the Student Conservation Association PO Box 55SC, Charlestown, NH 03603, (603) 826-7541-2306.

Summer Volunteer Opportunity with the Samaritans. You can become a Samaritan for the summer. There will be a weekend training session on Saturday, June 5. Class size is limited, so call soon. For more information, call 227-4030.

For students searching for ways to break the shrinking bankroll, the Council on International Educational Exchange announces the 1988 Student Travel Counseling. The Catalog contains the most comprehensive, FREE budget travel guides available. It is reprinted from CIEE Dept. STC '88, 205 East 23rd Street, New York, NY 10010, (212) 661-1414 or 312 Sutter Street, San Francisco, CA 94108, (415) 421-3475. Enclose $1 for postage and handling.

On the Town

Compiled by Peter Dunn

Ongoing Theater

Academy of Music, Saturday, July 2, and Thursday, July 7. Continuing through September. Performances are Thursday, Friday, Saturday at 8 pm, and Sunday at 3 pm. Tickets: $10 general, $6 for seniors and children, located at 55 Davis Street, Cambridge. Telephone: 495-3551.

Arts, A.M. - 1:00, Julee, 2:00, 5:45, 7:45, and 10:00. Located at 40 Brattle Street, Cambridge. Tickets: $3.50 (good for the double bill). Telephone: 495-3551.

Bakkhai, by Euripides, continues through June 4 at the Alley Theatre, 1253 Cambridge Street, Cambridge. Performances are Thursday through Sunday at 8 pm. Tickets: $9 to $26. Telephone: 734-2500.

Brown perform at 9pm and 11 pm at Sanders Theater, Quincy and Kirkland Streets, Harvard Square, Cambridge. Also presented Sat. at 8 pm, Sun. at 3 pm, $27, $20. Telephone: 404-0999.

Ellis, and Ray Brown perform at 9pm and 11 pm at Sanders Theater, Quincy and Kirkland Streets, Harvard Square, Cambridge. Also presented Sat. at 8 pm, Sun. at 3 pm, $27, $20. Telephone: 404-0999.

The Student Conservation Association, 64 Brattle Street, Cambridge. American Repertory Theatre, Loeb Drama Center, 64 Brattle Street, Cambridge. Thursday, May 26, 8:00, and Friday, May 27, 8:00. Tickets: $19.50 to $27.50, located at 55 Davis Street, Cambridge. Telephone: 495-3551.

The Brattle Theatre continues performances through the fall. For its summertime shows, the company includes Shakespeare, Musical Theater, and Classical Music. Call 227-4030 for more information.

The MIT List Visual Arts Center, 64 Brattle Street, Cambridge. Continue performing "A4m Evening of New Orleans Jazz" through June 2 at the Orpheum Theater, Hamilton Square, Somerville, near the Porter Square T-stop on the red line. Telephone: 734-2500.

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notices

The MIT Medical Department Pharmacy announces a new service. Beginning May 15, refills can be ordered 24 hours a day using a new refill line, 233-2002. The refill line can then be picked up anytime after 11:30 am the following day. The orders will be filled by an evening pharmacist, which will help reduce wait-time for new prescriptions during the day.

Applications are now being accepted for the PVA/Youths for Vietnam Veteran Scholarship Fund. Each scholarship will be $1,500 and applicants must be enrolled in, or accepted by, an accredited four-year institution of higher learning. For more information, contact Scholarship Committee, c/o Paralyzed Veterans of America, 801 18th Street NW, Washington D.C. 20006. Completed applications must be postmarked no later than May 31, 1988.

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Film & Video

**EXHIBITS**

The Brattle Theatre presents

**THEATER**

The Brattle Theatre presents: Howard Hawks' Howard's Bodyguard. Open for the double bill). Open Wednesday, June 1 at 4:15 & 7:00, Thursday, June 2 at 4:15 & 7:00, Friday, June 3 at 4:15 & 7:00, Saturday, June 4 at 1:15, 5:40, & 10:00; Sunday, June 5 at 1:15 & 5:40. Located at 30 Brattle Street, Cambridge. Tickets: $5.00 general, $4.00 students & seniors. Telephone: 564-0200.

June 1 to June 7

**COMEDY**

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June 1 to June 7

**DANCE**

**THEATER**

**THEATER**

The Tech announces a new service. Beginning May 15, refills can be ordered 24 hours a day using a new refill line, 233-2002. The refill line can then be picked up anytime after 11:30 am the following day. The orders will be filled by an evening pharmacist, which will help reduce wait-time for new prescriptions during the day.

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We are pleased to announce that the following candidates have been elected as Student Directors for the Harvard Cooperative Society for the year 1988-1989.

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<td>M.I.T. Sloan School of Management</td>
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<td>Carissa G. Climaco</td>
<td>M.I.T. Undergraduate</td>
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<td>Darian C. Hendricks</td>
<td>M.I.T. Undergraduate</td>
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<td>Bonnie Huang</td>
<td>Harvard Undergraduate</td>
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<td>Julie Ang Mi Kim</td>
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<td>Kevin P. Mohan</td>
<td>Harvard Law Business School</td>
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<td>Pawan Ganapati Patil</td>
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<td>Valerie Silver</td>
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Noble claims tenure process was "rigged" against him

(Continued from page 1)

the information.

But Robert Sullivan, MIT's provost, said that Noble's case had been a "one of a kind" case in which the confidentiality of out-
side reviewers would be protected. "Kairys is simply trying to re-
udge our procedures," Sullivan said. Kairys counters that the confidentiality was agreed upon as a temporary measure.

"Ineligible" found

The tenure documents reveal several other discrepancies in the process of evaluation and obtaining references, Kairys said. First, four of the external review committee (comprised of Lenia Theurkauf, then of the Sloan School of Manage-
ment; Professor of Political Sci-
ence Walter Dean Burnham; Pro-
fessor of Science, Technology, and Society Merritt R. Smith; and Professor of Aeronautics and Astronautics Leon Trolling) pre-
pared a list of nine people in var-
ious fields who would review Noble. Five of these people
would be sought. All of these evaluations were positive, Kairys said. But the Program in Science, Technology, and Society requested two evaluators to the list. While this was not in itself improper, two of these two evaluations were the only negative ones received.

One of the evaluators added by the department had a close con-
nection of interest, Kairys asserted, as he was a part of an organization which Noble had criticized in the past.

The other evaluator was allegedly added because the department wanted a representative from a discipline related to Noble's field of study, Kairys said. But Kairys was skeptical of this claim, as Noble had already been evaluated on a number of topics from that field outside of MIT, and one member of the interdepart-
mental review committee came from the discipline. The suggest-
ed evaluator had already written a strongly negative evaluation of Noble while under consideration for promotion, and he initially declined to evaluate Noble's per-
formance again, Kairys said.

As a result, the department sought another external eval-
uation from the field, which was re-
ceived half a year after the other evaluations. Kairys asserted that the department expected a nega-
tive evaluation, but the reply was just the opposite. "The evaluator, an expected opponent, said, "Da-
"Kairys back, let him to change his
views" and called Noble "a lead-
ing scholar in his field," Kairys said. Twelve days after this positive review was received the department convened the reluctant eval-
uator to submit a statement, which was "predictably nega-
tive," Kairys said. Thus at that time, Noble had received ten positive evaluations and two nega-
tive ones, both of which were requested by the department. The department had to "stretch and maneuver to find someone who would be solidly negative," Kairys asserted.

Sullivan was unfamiliar with these charges and would not evaluate by an individual from that field outside of MIT, and one member of the interdepart-
mental review committee came from the discipline. The suggest-
ed evaluator had already written a strongly negative evaluation of Noble while under consideration for promotion, and he initially declined to evaluate Noble's per-
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views" and called Noble "a lead-
ing scholar in his field," Kairys said. Twelve days after this positive

Biology faculty debate defense biotech funding

(Continued from page 2)

Such sentiment could be em-
barked by a March 11 letter sent to Fox by biology professors Bo-
ris Magasanik and David Bot-
stein. They wrote that the initial vote had "potentially alarming con-
sequences for the future of the department and its graduate program..." Many faculty members were unable to attend the meeting, and Magasanik and Botstein felt "un-
comfortable" that less than one-
half of the faculty had partici-
pated in the vote. The "large number of abstentions recorded [suggests] a loss of confidence, even among those present," the letter read.

Moreover, the "existence at

MIT of a biotechnology graduate program entirely outside the orbit of our department [involving only the other three depart-
ments], cannot be seen as a sim-
ply neutral development in terms of attracting government funding that looks forward to an increasingly important biotech-
ology industry." Botstein and Magasanik, too, made reference to the administra-
tion's reaction: the initial dis-
cussions had failed to "accurately predict the reaction of some Insiders of the biology depart-
mant into the MIT administra-
tion..."
1987-88 MIT athletic highlights

Compiled by MIT Sports Information Office

Men's Cross Country
Ranked 14th nationally, Rod Glen
man '88 placed 34th in the na-
tional Division III championship.

Women's Cross Country
Won the MAIAW Class B-C State
Title.

Football
Two football players took MIT
lacetls. Hugh Ekberg '88 became the
leading ground-gainer (2078
yards) and point-scorer (126). Pe-
ter Gasparini '88 became record-
holder for total yards passing
(1398) and touchdown passes (11).

Darlene Dewilde '88 was in top
MVP.

Women's Fencing
Linda Ystueta '88 named New
England Women's Fencer of the
Year for fourth consecutive time.

Ystueta also finished 17th at
NCAA Championships. Golf
15th consecutive over .500 sea-
son.

Men's Gymnastics
Qualified for United States Gym-
nastic Federation Division III
National Championships for first
time.

Women's Gymnastics
Allison Arnold '90 won ECAC
Championship on uneven bars
with a score of 8.8 of a possible
10.

Men's Ice Hockey
Named New England Women's
All-Star. Team was 11-7 overall.

Women's Tennis
Dheera Ananthakrishnan '90 was
named a New England Women's
Dahian laurels. Hugh Ekberg '88 became
record-holder for total yards passing
(1398) and touchdown passes (11).

Women's Volleyball
Won New England Women's Eight Tournament. Julie Brown
made NEW 8 Boston League All-Star.

Mike Griffin '89 made Greater
Undefeated (9-0). New England
men's basketball.

Women's Fencing
Linda Ystueta '88 named
New England Women's Fencer of the
Year for fourth consecutive time.

Heavyweight Crew
Won initial Pilgrim League
Championship. Had most wins
since 1969 (9). Had five Pilgrim
League All-Star Crew Dorm (8)'88,
Tim Mathos '88, Pat Nee '89,
Rich Root '88, Mike Gaudis '88).

Men's Tennis
Ben Spelman '88 qualified for
NCAA Division III Champions-
ships.

Outdoor Track
Undefeated (5-0). Won New
England Division III Outdoor Cham-
ionship for first time since 1983.
Scored most points in history of the
championship (121\frac{1}{2}), won
by greatest margin in history of the
championship (61\frac{1}{2} points).
The combined indoor and out-
door track records over the last
50 opponents in dual or triangu-
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