The Nuclear Debate: Basic Issues for 1976

By Rich Neave

A report on social science research on human subjects, brought to the fore by a task force of the Committee on the Use of Humans as Experimental Subjects (COUHES), is nearing completion.

The task force, composed of representatives of the departments and subcommittees on social science and COUHES, was appointed last April by Provost Walter Rosenblith to look into questions of guidelines and procedures dealing with the growing amount of social science research which use humans in experiments.

COUHES is a standing MIT committee which reviews proposals for research using human subjects. The United States Department of Health, Education, and Welfare (HEW) requires that all proposals for such experiments will have to be approved by a committee like COUHES before federal funds can be granted for them.

Existing COUHES guidelines were developed for biomedical research, and are not always applicable to social science research. (Please turn to page 9)

Nuclear risk reported low

By Storm Keuffler

Washington — The risks associated with operating present-day nuclear power plants are very low, according to a report released yesterday by the Nuclear Regulatory Commission.

Professor Norman Rasmussen, head of the MIT Department of Nuclear Engineering, said the three-year $3.5 million study WASH 1400 estimated the risks to the public of the nation's nuclear research.

In a news conference here yesterday afternoon Rasmussen said that, based on the findings of the study, he could see no reason for hesitancy in pursuing nuclear energy.

The final version of WASH 1400 differs from a draft released in August, 1975, only by slightly increasing the assessed risks of nuclear plant operation, Rasmussen said. But the overall conclusion that reactors are much safer than many non-nuclear activities remained the same.

Existing guidelines and regulations are expected to be strengthened, Rasmussen said, as a result of the finding that reactor accidents are one chance in 75 million per year, the report states.

All probabilities on nuclear reactor safety were based on operation of 100,000-megawatt, electric reactors in the United States.

The task force, composed of representatives of the departments and subcommittees on social science and COUHES, was appointed last April by Provost Walter Rosenblith to look into questions of guidelines and procedures dealing with the growing amount of social science research which use humans in experiments.

DNA research ban assessed

By Nivin Prai

Two faculty members in a Technology Studies Seminar discussed the current state of the "moratorium" in DNA research during a seminar Wednesday.

"They were the result of an advance in the manipulation of genes, which led to a fear of "genetic intervention" or "genetic engineering." One of the possibilities was the development of an "Andromeda strain,"" he said.

The moratorium was the result of recent advances in the manipulation of genes, which led to a fear of "genetic intervention" or "genetic engineering." One of the possibilities was the development of an "Andromeda strain,"" he said.

Weiner observed that the widespread attention given to moratorium "is a public and scientific reassessment of a concept forward movement of science, an inevitability, a scientist pushing upward in search of the truth no matter what.

A moratorium committee was formed by a group of molecular biologists to look into "the potential biological hazards of recombinant DNA." They produced a set of guidelines for research "requesting that certain classes of experiments not be done at all unless satisfying safety conditions for other lower hazard research are met.

By Scott MacFarlan

The Soviet Union is standing in the way of scientific freedom by blocking emigration of scientists, thus restricting freedom of ideas, a Russian biochemist said yesterday.

Alexander Goldfarb, who recently emigrated from the Soviet Union to Israel, called on members of the MIT community to aid scientists who suffer harassment, loss of jobs, and intimidation because of their desire to emigrate at a seminar sponsored by MIT Hillel and the Committee for Advisors, Learner and Levich.

Goldfarb, who will join the faculty of the Weizmann Institute of Technology in Israel next month, described his experience in getting out of the Soviet Union. His application for emigration to Israel, made in October 1973, was refused six months later on the grounds that it was "not in the interest of the state."

"I was later told it was denied because I was in possession of the PLO documents, which I was given in April of this year, and arrived in Israel about a month later," Goldfarb said.

"Scientific freedom in Russia is dependent on political concessions," Goldfarb told the audience. Those scientists who express opinions differing from the Communist Party's stands are restricted in academic activities. The Soviet Union does not believe that Jewish scientists should be denied emigration," Goldfarb said, and was not invited to weapons or military research.

"Not only have I never participated in any kind of classified research or seen a classified document, I am a non-believer," he said.

Goldfarb said he became active in the Aliyah movement to help "refuseniks," Soviet scientists whose applications for emigration had been refused -- and wrote letters to Western scientists warning of "safety in a nuclear age"

"The chance that a person living in a nuclear age will be injured in a reactor accident is one in 75 million per year, the report says.

"If a Soviet doesn't believe that technical safeguards are adequate, he can't learn to respect the American way of living..." Goldfarb told the audience. Those scientists who express opinions differing from the Communist Party's stands are restricted in academic activities. The Soviet Union does not believe that Jewish scientists should be denied emigration," Goldfarb said, and was not invited to weapons or military research.
If you don't vote Tuesday send this.

Rent control is not the only thing at stake.

Cambridge has had a new city manager after each one of the last five elections. Two years ago, thanks to the Cambridge Convention '75 candidates who are now on the City Council, we hired a manager who has begun to cut the fat out of the budget and just gave this city its first tax decrease in ten years.

But if Cambridge Convention '75 doesn't win a majority on Tuesday, we could end up with six managers in six elections. And lose the best one we've ever had. Not only that, but for every step forward we could take two steps backward. A switch of just one vote on the City Council could mean the end of rent controls.

Without a reform majority it's going to be hard for Cambridge's new, no-nonsense School Superintendent to build up Cambridge's schools to be the best in the state.

Or for a tough forward-thinking Police Chief to cut down on crime and abuses by making his police force more effective and responsive.

It's going to take a Cambridge Convention '75 majority to hang on to what we've won.

A majority's even more important when it comes to protecting our neighborhoods in the future and keeping Cambridge an attractive city for people to live in.

That's what is at stake in this election. And why the Cambridge Convention '75 candidates need your votes on Tuesday.

Remember...
You vote by marking the candidates in the order of your choice, with numbers 1, 2, 3 and so on. You can vote for as many candidates as you like.

Make your vote count, vote the entire Cambridge Convention '75 slate. Polls open from 8 a.m. to 8 p.m.

VOTE EARLY.

For City Council
Barbara Ackermann
John Brede
David Clem
Eric Davin
Franz Bushay
Saundra Graham
Mary Ellen Preusser
David Wylie

For School Committee
Sara Mac Berman
Stephen Buckley
Priscilla Ellis
Peter Gesell
Glenn Koocher
Charles Pierce
Alice Wolf

Vote, in the order of your choice,
Tuesday, November 4, 8 a.m.-8 p.m.

For rides to the polls, information where to vote, or volunteering to help, call 354-5182 or 354-5192.

Please, don't sit this one out.
Scientist decry freedom lack

(Continued from page 1)
said, that scientist probably will not be attending many — if any — international conferences in the future.

Goldfarb said that emigration policy was a matter to be decided by the Soviet scientific community. Three years ago, he said, the vice president of the Soviet Academy of Sciences was asked about details of emigration.

News Analysis

Nuclear industry ready for future energy battle

By Mike McNamara

The final report of WASH 1400, a three-year study of the safety of the nuclear power industry, couldn't have come at a better time for proponents of an expanded role for nuclear power in the nation's energy scheme.

For the report came just as the nuclear power industry picked up its facts and figures and analysis to do battle, with its bitter opponents, the environmentalists, consumer advocates, and others who oppose expansion of nuclear power on the grounds of safety, environmental damage, and other reasons.

The study, prepared by MIT nuclear engineer Norman Rasmussen and about 150 researchers, gives the pro-nuclear forces a strong weapon with its conclusions that nuclear power is safer and cleaner than many non-nuclear activities, the risks of which are accepted as normal.

But the nuclear power industry does not intend to bow its whole battle against Ralph Nader, the Union of Concerned Scientists, and other nuclear foes on one report, however helpful that report may be. Instead, they are tooling up for a major public-relations campaign to get their message — that nuclear power is "the only way to go to achieve energy independence" — to the public.

Their strategy became clear at a three-day conference which concluded yesterday, in downtown Boston, where more than 200 industry officials, spokesmen, and public-information people gathered to get their message to the public. The conference was organized by the Atomic Industrial Forum to learn how to beat the nuclear opponents.

And it became clear, as the conference went on, that the industry strategy includes not only contesting, out-figuring, and out-debating their foes, but also a large dose of direct attack.

"No longer is there even a pretext of addressing the substantive issues of nuclear power, no longer is there even a semblance of questioning the technical criteria for reactor safety, plant reliability, economics, or environmental effects," Paul Turner, vice president of the AIF told the delegates. The nuclear opponents were "re-treating," he said, because of "a depletion of credible facts" (Please turn to page 8).

For further information, contact
Jose Cisneros, 494-8135

J. T. BAKER CHEMICAL COMPANY
222 Red School Lane, Phillipsburg, New Jersey 08865
An Equal Opportunity Employer, M/F

If the J. T. BAKER ingredients sound like your kind of career prescription, contact Mr. M.4.B. Judge who will be on campus on November 7, and tell us the ingredients you can offer us. We offer you an opportunity to grow with a gutsy 70-year-old company that's tripled its sales in the past 8 years. You can count on a real opportunity at J. T. Baker Chemical Company. More involvement. Visibility. And all the advantages of a big company without the problems.

THE TECH FRIDAY, OCTOBER 31, 1975 PAGE 3

TO ENGINEERING, CHEMISTRY, MARKETING & ACCOUNTING MAJORS

PANDA MANDARIN RESTAURANT

Authentic Chinese Food

roof to go out

262-5682

CHINA EXPRESS

at 148 Boylston St., Boston
(across from the Commons, near Colonial Theatre)

Dancing
9:00 - 2:00am
Cocktails and exotic drinks
Free valet parking
Reasonable prices

Interested in ORTEG ENGINERING, CHEMISTRY, MARKETING & ACCOUNTING MAJORS?

MEN'S & WOMEN'S
BOUTIQUE CLOTHING
PAPERBACKS
RECORDS
SHEETS & BLANKETS
TOYS

PAPERBACKS

SIDEWALK SALE!

THIS FRIDAY
10 am to 4 pm
Save 1/3 - 2/3
and more

SIDEWALK SALE!

THIS FRIDAY
10 am to 4 pm
Save 1/3 - 2/3
and more

FOR ENGINEERING, CHEMISTRY, MARKETING & ACCOUNTING MAJORS

THE COOP
M.I.T. STUDENT CENTER

class of 1978

four class ring presentation

sunday, November 2, 8pm
student center room 400

all are welcome

For further information, contact
Jose Cisneros, 494-8135

J. T. Baker Chemical Company
222 Red School Lane, Phillipsburg, New Jersey 08865
An Equal Opportunity Employer, M/F
ASA impeachment isn't representative

By Michael McNamara

"Greasiness,"

That's the one word being bandied about and off the fourth floor of the Student Center in the wake of the impeachment of Forrest Krutter '76, especially for being a fool.

That undefined word which everyone knows the meaning of -- a political, ego-gratifying, self-centered, arbitrary, capricious student-policy arena, is the stands -- instead of being a fool.

That's little doubt that Krutter was being a fool when he committed his "impeachable acts." His behavior/vendettas with Ego has never made any sense, and his high-handed way of conducting meetings could only be based on a pretty powerful overestimate of his own worth. But no one could read a basic character flaw into his impeachment. Krutter just went beyond the bounds of the general run of law-school applicants, and his fellow applicants decided he should be disciplined.

If that's all there was to the life and death of Forrest Krutter as a student policy arena, there could be little point to examining the event.

The substantive work of the Association of Student Activities -- making sure that those who have kept and those who haven't don't --- will go unchanged. ASA's activities are for the most part so

if MIT would just admit some. The opportunities for a serious role in making sure that them what has keeps and them what hasn't don't have, will go unchanged. ASA's activities are for the most part so

with his "impeachable acts." His battle/feud/vendetta with Northgate to pay full real estate and other taxes in connection with its operations. Northgate was intended to provide additional close-in housing, primarily for faculty and staff, and to do so on a non-loss basis. During Northgate's short life, the combination of extraordinary incentive, grants and the imposition of rent control in Cambridge complicated in Northgate's becoming very much of a financial loss operation.

I did not tell Ms. Mannix that Northgate "never became a value-

As regards "professionalism" and "professional newspaper. But the

That undefined word which everyone knows the meaning of -- a political, ego-gratifying, self-centered, arbitrary, capricious student-policy arena, is the stands -- instead of being a fool.

The Tech welcomes Let-

intended to be a professional newspaper. But the

To the Editor:

I am writing to clarify/correct some statements made in Mr. Eileen Mannix's article on Northgate in the Tech for Oct. 31. At the time she spoke with me, I urged her to read some past reports on Northgate and speak with Mr. Wcrains, who serves as Chief Operating Officer. The content of the article differs, I believe, because she apparently did not follow these suggestions.

Northgate is a corporation. Separate from but fully controlled by MIT. Among other reasons, the separate corporate structure was set up to enable Northgate to pay full real estate and other taxes in connection with its operations. Northgate was intended to provide additional close-in housing, primarily

The appearance of an advertisement for condoms on the editorial page demonstrated

That the ad should appear at all is by way of expressing a punishment of some sort. In the final analysis, the question of whether or not the advertisement was placed in an especially offensive manner is irrelevant. Just like the USAF fared out every spring, this impeachment will only serve to hurt legitimate activities. It is not MIT's business quite for the good of their members and the community, while spotlighting the side of activities that Northgate to pay full real estate and other taxes in connection with its operations. Northgate was intended to provide additional close-in housing, primarily for faculty and staff, and to do so on a non-loss basis. During Northgate's short life, the combination of extraordinary incentive, grants and the imposition of rent control in Cambridge complicated in Northgate's becoming very much of a financial loss operation.

Ergo, the issue of "deli-

compensation. We must attempt to compensate for decades of inequities and discrimination by providing extra opportunities for minority students and it must do so on a no-gain, no-loss basis. I did not tell Ms. Mannix that Northgate "never became a valuable housing resource for MIT" or that "the apartments have not been much of an alternative for student...because they are too expensive." I did say that Northgate never became a major housing-related component, meaning that large numbers of residential units were available. Although there were never large numbers of units available, the units did continue to provide alternatives for students. Finally, the question of the units being "too expensive" that is a matter of reference base. I'm sure most all rental property in greater Boston ap-

Professorialism Hurt By Ad?

To the Editor:

I have, in the past, appreci-

Middlesex Building

Jesse Abraham denies wishing to see Northgate continue to operate, and this is the one word being bandied about and off the fourth floor of the Student Center in the wake of the impeachment of Forrest Krutter '76, especially for being a fool.

The Tech welcomes Let-

The Tech welcomes Let-

professional, no-loss basis. During Northgate's short life, the combination of extraordinary incentive, grants and the imposition of rent control in Cambridge complicated in Northgate's becoming very much of a financial loss operation.

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

I'm sure most all rental property in greater Boston ap-

I'm sure most all rental property in greater Boston ap-

To the Editor:

I am writing to clarify/correct some statements made in Mr. Eileen Mannix's article on Northgate in the Tech for Oct. 31. At the time she spoke with me, I urged her to read some past reports on Northgate and speak with Mr. Wcrains, who serves as Chief Operating Officer. The content of the article differs, I believe, because she apparently did not follow these suggestions.

Northgate is a corporation. Separate from but fully controlled by MIT. Among other reasons, the separate corporate structure was set up to enable Northgate to pay full real estate and other taxes in connection with its operations. Northgate was intended to provide additional close-in housing, primarily for faculty and staff, and to do so on a non-loss basis. During Northgate's short life, the combination of extraordinary incentive, grants and the imposition of rent control in Cambridge complicated in Northgate's becoming very much of a financial loss operation.

Ergo, the issue of "deli-

compensation. We must attempt to compensate for decades of inequities and discrimination by providing extra opportunities for minority students and it must do so on a no-gain, no-loss basis. I did not tell Ms. Mannix that Northgate "never became a valuable housing resource for MIT" or that "the apartments have not been much of an alternative for student...because they are too expensive." I did say that Northgate never became a major housing-related component, meaning that large numbers of residential units were available. Although there were never large numbers of units available, the units did continue to provide alternatives for students. Finally, the question of the units being "too expensive" that is a matter of reference base. I'm sure most all rental property in greater Boston ap-

Professorialism Hurt By Ad?

To the Editor:

I have, in the past, appreci-

Middlesex Building

Jesse Abraham denies wishing to see Northgate continue to operate, and this is the one word being bandied about and off the fourth floor of the Student Center in the wake of the impeachment of Forrest Krutter '76, especially for being a fool.

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

I'm sure most all rental property in greater Boston ap-

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

Professorialism Hurt By Ad?

To the Editor:

I have, in the past, appreci-

Middlesex Building

Jesse Abraham denies wishing to see Northgate continue to operate, and this is the one word being bandied about and off the fourth floor of the Student Center in the wake of the impeachment of Forrest Krutter '76, especially for being a fool.

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

Professorialism Hurt By Ad?

To the Editor:

I have, in the past, appreci-

Middlesex Building

Jesse Abraham denies wishing to see Northgate continue to operate, and this is the one word being bandied about and off the fourth floor of the Student Center in the wake of the impeachment of Forrest Krutter '76, especially for being a fool.

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

Professorialism Hurt By Ad?

To the Editor:

I have, in the past, appreci-

Middlesex Building

Jesse Abraham denies wishing to see Northgate continue to operate, and this is the one word being bandied about and off the fourth floor of the Student Center in the wake of the impeachment of Forrest Krutter '76, especially for being a fool.

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

Professorialism Hurt By Ad?

To the Editor:

I have, in the past, appreci-

Middlesex Building

Jesse Abraham denies wishing to see Northgate continue to operate, and this is the one word being bandied about and off the fourth floor of the Student Center in the wake of the impeachment of Forrest Krutter '76, especially for being a fool.

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

Professorialism Hurt By Ad?

To the Editor:

I have, in the past, appreci-

Middlesex Building

Jesse Abraham denies wishing to see Northgate continue to operate, and this is the one word being bandied about and off the fourth floor of the Student Center in the wake of the impeachment of Forrest Krutter '76, especially for being a fool.

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

The Tech welcomes Let-

I'm sure most all rental property in greater Boston ap-

Professorialism Hurt By Ad?

To the Editor:

I have, in the past, appreci-
Join the Assorted Ghosts, Goblins and Lady Godivas at Tech Hifi's Halloween Sale.

Win a $500 Music System at our Halloween Party!

You're invited to a gala Halloween Party from 10:00 p.m. till midnite at the Tech Hifi store at Harvard Square.

If the costumes are as good this year as they were at last year's party, you're in for a real eyeful! Wear a costume yourself, and if it's judged the best you'll win a Tech Hifi music system valued at $500!

In addition to the Grand Prize, there'll be free refreshments, lots of good music, and low prices on great systems and components.

Non-scary prices all week long.

The party ends Friday at midnight, but the Sale goes on until 6:00 p.m. on Saturday at every Tech Hifi location. You can save substantially on complete music systems and a wide selection of new, used and demonstrator components.

The system and specials featured here are examples of the great buys that await you at Tech's Halloween Sale.

<table>
<thead>
<tr>
<th>System</th>
<th>Regular Price</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Advents pr.</td>
<td>$178</td>
<td>$119</td>
</tr>
<tr>
<td>EPI 100 pr.</td>
<td>$240</td>
<td>$169</td>
</tr>
<tr>
<td>Marantz 2245 receiver</td>
<td>$550</td>
<td>$299</td>
</tr>
<tr>
<td>MicroAcoustics FRM-1</td>
<td>$330</td>
<td>$249 pr.</td>
</tr>
<tr>
<td>Pioneer 535</td>
<td>$299</td>
<td>$199</td>
</tr>
<tr>
<td>Pioneer 737</td>
<td>$399</td>
<td>$299</td>
</tr>
<tr>
<td>Pioneer PL 12D mk II</td>
<td>$120</td>
<td>$80</td>
</tr>
<tr>
<td>Sansui 771</td>
<td>$429</td>
<td>$299</td>
</tr>
<tr>
<td>Sherwood 7010</td>
<td>$240</td>
<td>$169</td>
</tr>
</tbody>
</table>

LIMITED QUANTITIES

This week's Halloween special system features KLH 101 two-way acoustic suspension loudspeakers, a Pioneer Sound Project 360 am/fm stereo receiver and a BSR 2260X automatic turntable with a Shure magnetic cartridge.

This week only: $299

There's nothing tricky about being treated at Tech Hifi.

No matter how great a deal you get at Tech, every complete system and new component we sell is covered by our fourteen Customer Satisfaction Guarantees (including a Seven-Day Moneyback Guarantee, Sixty-Day Defective Exchange Ninety-Day 100% Trade-In, and One-Year Speaker Trial).
This hour's worth of music has been approximately the right times, let us show you just how fearsomely difficult, but two. One look at a score will record to do it justice, and not just record companies, Arnold Schoenberg as an icy "modernist" Maurizio Pollini have given us the first performances of the work. In fact, Paul Jacobs and Gustav Mahler: Sixth Sympho- ny. Stockholm...
**MIT Symphony season begins**

A friend suggested that I begin this review of the MIT Symphony Orchestra's opening concert of the season (given last Saturday, October 25, at 8:30 pm in Kresge) by stating that I had arrived in time for the second half. Though this would be a charitable way of avoiding comment on the problem of the first part of the program, I am honor bound to report that I was indeed in attendance for the entire evening.

It must be admitted that the program, consisting of Tchaikovsky's Romeo and Juliet Overture-Fantasy, the Third Violin Concerto of Mozart, the Fantasia on a Theme of Thomas Tallis by Vaughan Williams, and a suite from Walter Piston's ballet The Incredible Flutist, would prove daunting to all but the most polished and professional of orchestras, but David Epstein and the MIT Symphony have established a reputation for miracles in recent seasons. Indeed, most of the trouble was not theirs at all.

The Tchaikovsky began unsteadily, with overly woodwind intonation, and built to climaxes that were thoroughly quenched by insipid cymbal playing—why couldn't we have a real solid crash?

The spirit of the late George Szell, conductor David Epstein's mentor, was strongly in evidence as the orchestra's soloist on this evening. Mr. Vegh contrasted with the rather nineteenth-century playing of Mr. Epstein's standard, and his hasty retuning of his instrument tuned far from the orchestra's. After intermission, things went much more smoothly. The lush sonorities of the Tallis Fantasia were treated to some of the best string playing I have ever heard from this orchestra, in a performance that was in all ways comparable to the magnificent one given by the Boston Symphony under Boston Mariner's direction this past summer at Tanglewood.

The MIT Symphony is recording the Piston Incredible Flutist suite (though exact plans are being kept under wraps), and the extra work that always goes into a recording project was in evidence on this occasion, with fine playing from all sections of the orchestra and an appropriately jaunty spirit. The packed house demanded, and received, an encore of the last movement of the suite, and no doubt will await the record anxiously.

—Stephen H. Owades

---

**Pacino in Dog Day Afternoon**

The Sack Cinema people are really mining a bet on this one.

In *Dog Day Afternoon* they've got a first-class piece of film, an excellent story beautifully performed. But they insist on promoting it as if it were a wildly humorous tale of a semi-historic, badly bungled bank robbery.

Such advertising is an insult to this film. While Sack's ad people haven't attempted to promote the film—advance ads were running all over town a week before it opened—they're using a campaign that treats Al Pacino's delicate performance in the role of a desperate character in complicated straits as a quasi-rainbow of a bank robbery happened.

Much advertising is an insult to this film. While Sack's ad people haven't attempted to promote the film—advance ads were running all over town a week before it opened—they're using a campaign that treats Al Pacino's delicate performance in the role of a desperate character in complicated straits as a quasi-rainbow of a bank robbery happened.

But overall, Pacino has grown up a lot since his innocence and desire to be a good citizen in *The Godfather*. His控制, his timing, and his acting are superb

The film has its flaws and weak points. Too much is made of Pacino's homosexual relationship without any understanding of his character. And one entire plot sequence, in which Pacino is apparently tempted to sell out his partner in order to get a better deal for himself, is left incomplete and undetermined, and the revelation of the story, I feel, is not necessarily the best way.

But overall, *Dog Day Afternoon* is excellent, suspenseful, powerful, well-done, and exciting. And Pacino is great.

—Michael D. McNamara

---

**Time is running out — WILL YOU GET SHOT?**

**SENIOR YEARBOOK PORTRAITS**

will be taken all next week

**Mon. - Fri.**

9am - 5pm

**call: x3-2980 or dl5-9167 for appt.**

$3 sitting fee

1976 Technique options on sale
Nuclear foes face battle

(Continued from page 3)

"Arguments." The enemy was on the run. And the conference went on in similar tones as speaker after speaker went over the industry position on waste disposal, safeguards of nuclear material, the economics of nuclear power, and the alternatives. The first day of the meeting reached its peak as Rasmussen told the participants that the time had come for "hard choices" which would lead the nation to reject nuclear's foes and embrace its proponents.

"We've developed a technology that carries a significant advantage," he said, until the economics just outweigh the advantages. Society must decide what level of risk it will accept, and then set the standards, and live with its decisions. There is no other way to make these critical choices.

Grover Higden, the primary donor for the new Grover Higden Laboratories in the MIT Center for Cancer Research, chats with President Jerome B. Wiesner at the dedication of the laboratories yesterday (above). The Higden facility, located in the Seeley G. Mudd Building, includes six labs, a thermal control center, storage space and faculty offices.

NEW ENGLAND WOMENS SERVICE
Licensed by the Commonwealth of Mass.
abortion counseling birth control gynecology free pregnancy tests
738-1370
1031 Beacon Street, Brookline

Recycled Clothing Compassionately Priced
from
2.99
per piece
TUESDAY-SATURDAY
9:00-5:00
49 RIVER ST.
CAMBRIDGE

HEROISM
OF A
HIGH ORDER
A Celebration of All Saints' Day by the Tech Catholic Community
Friday, Oct. 31, 1975
Chapel: 4:30pm and 5:15pm
Saturday, Nov. 1, 1975
Mezzanine Lounge: 11:15am

ARMAGEDDON
A Vegetarian Hand Grenade in Four Acts
(In the tradition of Robert Heinlein, Firesign Theater, Swami Cinerama and Captain Sid Arthur)

MANAGEMENT SCIENTISTS AND ECONOMIC/FINANCIAL ANALYSTS
Management Sciences consulting group serving the GTE Telephone Operating Companies has need for an Economic/Financial Analyst and a Management Scientist. Positions require a graduate degree (Ph.D preferred) and strong quantitative and communicative skills.

Experience/training in M.S. OR, or IE required for Management Scientist position. Economic/Financial Analyst should be skilled in applied micro-economics and financial analyses. A working knowledge of accounting and regulatory economics would be highly desirable.

Send resume and salary history to Mrs. Tannia Yarbrough, Personnel Representative, GTE Data Services Incorporated, DC170, First Financial Tower, Post Office Box 1548, Tampa, Florida 33601.

"We are an Equal Opportunity Employer M/F"

STEVE GOODMAN
plus Dick Pinney
Nov. 4-5 Norman Bleke
Nov. 6-9 Aztec Twisten
Nov. 12-16
Sonny Terry and
Brownie McGhee

"We've developed a technol- ogy that carries a significant ad- vantage," he said, until the eco- nomics just outweigh the ad- vantages. Society must decide what level of risk it will accept, and then set the standards, and live with its decisions. There is no other way to make these critical choices.

AMERICAN HOSPITAL
24 OSAKA CHARLES R.
New N.Y.C. 10038

Framingham - 1280 Worcester Road (Route 9) - 879-5102
Peabody - Routes 1 & 128N - 535-0570
Newton - 1114 Beacon Street at 4 Corners - 965-3530
Lawrence - 75 Winthrop Avenue (Route 114) - 687-1961
Randolph - 493 High Street (Routes 28 & 128) - 986-4466
East Providence - 940 Pawtucket Avenue (Route 44 & 1-A) - 434-6660
Social science rules to change (Continued from page 1)

* A Putnam Exam review session will be held Tuesday, Nov. 4, at 4 pm in Room 2-139. Professor Steven Putnam will discuss topics from analysis.

* Helena McDonough, a writer and critic in the MIT Medical Department, will speak on "Services in the MIT Medical Department to Women" Wednesday, Nov. 5 at 12:15 in 10-105. The talk is being sponsored by the MIT Women's Committee for the Right to Choose.

* Today is Halloween, and to celebrate the event the Green Building will be turned into a haunted house. Two students' 4:00 will turn the pumpkin at 4:30 pm.

* Editorial Assistants needed for Women's Committee in ten social sciences, law, finance, architecture, and management, among others, the function of the editors will be to review with the editors to make suggestions regarding the appropriate and grammatical correctness. Call Professor Arthur D. Bernstein at 253-3747.

* Hilfit will hold a regional week-end at Dracut Oct. 31 to Nov. 2. The topic will be "Sedgmen and Abkhinian," Call Hilfit to make reservations. Cost: $15.

* Teaching Assistants Wanted... The MIT Writing Program has several positions available for qualified undergraduates. Contact The Writing Center, 253-7984. Room 14E-310.

Career Opportunities

STUDENT REPRESENTATIVE

National importer requires campus representatives to distribute, promote, and sell scientific, electrical, and scientific electronic calculators. Excellent program at major institutions. Inquiries: DECO, A. CO., W. Ridge, Director, P.O. Box 1823, FWH, Fla 33608.

Hi-Fi components for sale, 25%-50% off on most brands. All components in factory sealed cartons with cards. Full warranty; one day delivery, 30 day exchange on defective items. Call Bob, 253-4223 (keep trying).

1974 Fiat X19 Sportcar, low mileage, 38 mpg, excellent condition, best offer, call 254-3812 or 787-0602.

MSUMERST TYPING STUDIO

10c Mt. Auburn Street, Cambridge, Mass. (In the Real Wainwright Building.) Typing, typing, theses, resumes, reports -- and just plain type fast! Editing/Proofreading, Transcribing, Foreign language typing and translation. Trust your work to us.

THE MICHIGAN MBA

A representative of the Graduate School of Business Administration at the University of Michigan will be on campus to discuss the Master of Business Administration degree program.

November 7, 1975

The MBA program is a two-year course widely recognized in preparation for professional careers in management of business, government, and other organizations. College graduates in majors in any field are eligible to apply.

For more information contact the Placement Bureau.

Atomic Ltd. Inc.

Welding and Fabrication

Within walking distance of MIT

All Metals including Exotic Metals
Vacuum Chambers and Systems
Prototypes and Small Fabrication
Machine Shop Facilities

Fabricators of "Rector".

Many MIT Departments and Labs have used our services for over 10 years.

27 Tudor St., Cambridge, MA 676-8530

THE TECH FRIDAY, OCTOBER 31, 1975 PAGE 9

A goal! An unadulterated musical delight.

Clive Barnes, N.Y. Times

DIAMOND ST

"THE MUSIC IS SUPER. YOU CAN'T KEEP YOUR FEET STILL." Clive Barnes, N.Y. Times

THE CHARLES PLAYHOUSE

78 WARREN ST, BOSTON 426-6012

THE TECH FRIDAY, OCTOBER 31, 1975 PAGE 9

THE MICHIGAN MBA

A representative of the Graduate School of Business Administration at the University of Michigan will be on campus to discuss the Master of Business Administration degree program.

November 7, 1975

The MBA program is a two-year course widely recognized in preparation for professional careers in management of business, government, and other organizations. College graduates in majors in any field are eligible to apply.

For more information contact the Placement Bureau.

Atomic Ltd. Inc.

Welding and Fabrication

Within walking distance of MIT

All Metals including Exotic Metals
Vacuum Chambers and Systems
Prototypes and Small Fabrication
Machine Shop Facilities

Fabricators of "Rector".

Many MIT Departments and Labs have used our services for over 10 years.

27 Tudor St., Cambridge, MA 676-8530

THE TECH FRIDAY, OCTOBER 31, 1975 PAGE 9

A goal! An unadulterated musical delight.

Clive Barnes, N.Y. Times

DIAMOND ST

"THE MUSIC IS SUPER. YOU CAN'T KEEP YOUR FEET STILL." Clive Barnes, N.Y. Times

THE CHARLES PLAYHOUSE

78 WARREN ST, BOSTON 426-6012

A goal! An unadulterated musical delight.

Clive Barnes, N.Y. Times

DIAMOND ST

"THE MUSIC IS SUPER. YOU CAN'T KEEP YOUR FEET STILL." Clive Barnes, N.Y. Times

THE CHARLES PLAYHOUSE

78 WARREN ST, BOSTON 426-6012

A goal! An unadulterated musical delight.

Clive Barnes, N.Y. Times

DIAMOND ST

"THE MUSIC IS SUPER. YOU CAN'T KEEP YOUR FEET STILL." Clive Barnes, N.Y. Times

THE CHARLES PLAYHOUSE

78 WARREN ST, BOSTON 426-6012

A goal! An unadulterated musical delight.

Clive Barnes, N.Y. Times

DIAMOND ST

"THE MUSIC IS SUPER. YOU CAN'T KEEP YOUR FEET STILL." Clive Barnes, N.Y. Times

THE CHARLES PLAYHOUSE

78 WARREN ST, BOSTON 426-6012

A goal! An unadulterated musical delight.

Clive Barnes, N.Y. Times

DIAMOND ST

"THE MUSIC IS SUPER. YOU CAN'T KEEP YOUR FEET STILL." Clive Barnes, N.Y. Times

THE CHARLES PLAYHOUSE

78 WARREN ST, BOSTON 426-6012

A goal! An unadulterated musical delight.

Clive Barnes, N.Y. Times

DIAMOND ST

"THE MUSIC IS SUPER. YOU CAN'T KEEP YOUR FEET STILL." Clive Barnes, N.Y. Times

THE CHARLES PLAYHOUSE

78 WARREN ST, BOSTON 426-6012

A goal! An unadulterated musical delight.

Clive Barnes, N.Y. Times

DIAMOND ST

"THE MUSIC IS SUPER. YOU CAN'T KEEP YOUR FEET STILL." Clive Barnes, N.Y. Times

THE CHARLES PLAYHOUSE

78 WARREN ST, BOSTON 426-6012
MITRE's Washington (D.C.) Operations offers a broad career in air traffic control/airports and maritime systems engineering.

Since MITRE was founded as a nonprofit corporation in 1958, a key project has been the development and system engineering aimed at the modernization of the nation's air traffic control system. This work has grown in size and scope to where 25% of the 500 Members of the Technical Staff currently at Washington Operations are involved in enroute and terminal system development and engineering or advanced design and development for the FAA. The MITRE facility, in the Woodside Research Park, McLean, Virginia, offers a pleasant suburban working environment with a choice of residing in nearby urban, suburban or rural communities.

Qualifications... advanced degrees in:

- Electrical Engineering
- Computer Science
- Aeronautics and Astronautics
- Operations Research
- Other fields applicable to ATC and airports systems engineering
- Ocean Engineering

Types of Work... system engineering of advanced air traffic control/airports and maritime systems including operational analysis, system design, system analysis and simulation. Specific systems:

- Collision avoidance
- Advanced automation
- Surveillance, communication, navigation and landing systems
- Application of advanced technologies such as satellites, data processing, etc.

Send your resume to:

Mr. Wallace X. Conway
The MITRE Corporation
1820 Dolley Madison Boulevard
McLean, Virginia 22101

The MITRE Corporation
Nuclear risks low, report says

(Continued from page 1)

Rasmussen's report constructs a model which allows 30 percent of the population to evacuate at seven miles per hour, 30 percent of the population to stay in place, and the remaining 40 percent to evacuate at some speed between 0 and 7 miles per hour. Tuesday evening, Rasmussen said, increased population risk by a factor of three in the final report.

The study still showed, Rasmussen said, that the worst possible nuclear accident would kill no more than 3000 people. The chance is significantly greater that an airplane would crash into a crowded sports stadium and cause many deaths, he said.

One of the major objections to the draft study, Rasmussen said, had been that it did not allow for design and construction errors. Because the failure data for power plant components and systems were based on actual experience from various industries, however, allowance was automatically made for such errors, Rasmussen said.

Rasmussen indicated that the report did not cover anything except the accident risk associated with the operation of light-water reactors - the type which currently accounts for 95 percent of all power reactors in use. Effects of breeder reactors, radioactive wastes, and sabotage were not included, Rasmussen said. He pointed out that because the reactor accident risk was so small, the hazards of those other areas would represent a sizable fraction of the risks of nuclear power; but, he stressed, these overall risks were still small.

Not only are the nuclear risks much lower than those people regularly accept every day, Rasmussen said, but the public health risks from nuclear power plants are also much smaller than those associated with coal-powered plants.

The report, which was originally commissioned by the old Atomic Energy Commission before its reorganization last year, will be used by the NRC and the Energy Research and Development Administration to assess the advantages of expansion of the nuclear power industry and in future legislation regulating the industry.
Soccer falls to Tufts

By Greg Fenton

The MIT soccer team lost 3-0 to Tufts on Saturday afternoon.

Neither team played impressively in the game, yet Tufts managed to win. MIT played a rather lackluster first half, scoring only a slighty inferior to the performance by Tufts. The 1-0 halftime deficit was followed by a scoreless second half, where the uncoordinated man got lost in a sea of fields, making it difficult to play.

The more dominant movement in the second half, yet MIT still played more poorly than Tufts. One goal came when, after several deflections in front of the MIT goal, a Tufts player got off a shot that was saved by the goalie. The lose scored the final time on a penalty kick, which was the first time the two teams had played against each other.

The next game will be the Saturday against Colgate, Colgate won the game, and started to control the play, but could not score.

There are many questions about why the team plays well in the second half, but yet looks slightly inferior on other occasions. Perhaps they are unanswerable, or maybe they are not even in the lineup. The team is slowly gaining a similar advantage.

The Portland 'B' squad made

Cycling

By Glenn Brownstein

Three IM sports have virtually completed their regular season, with two A-league titles awarded last week and one to be decided this weekend.

Last Saturday Sigma Alpha Epsilon won the A-League football championship for the tenth time in eleven years, defeating defending champion Lambda Chi Alpha, 6-0, in a tight defensive game played in a steady drizzle. Both teams had gone into the game with 4-0 records, with this game remaining on the schedule.

Wednesday night Alpha Tau Omega defeated the Baker Dead Babies, 1-0-1, to win the A-League "living group" volleyball championship. ATO took complete control of the match and blasted Baker in the final game for the second time this season.

For the Baker team, tomorrow is the last chance at a"living group" victory, and it will be reported on in the next issue.

Sailors 2nd in Yale 420;

MIT takes third in Fowle

By Chris Donnelly

The women's sailing team had its most successful regatta of the season, finishing second at the Yale International 420 Regatta. The men placed third in the Fowle Trophy, the New England Team Racing Championship.

The women faced eleven schools from the Atlantic coast throughout the two-day regatta. Each division sailed five races in 15-20 knot winds.

The best-of-three semifinal series, MIT was paired against Tufts, and Harvard faced URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

In the best-of-three semifinal series, MIT was paired against Tufts, and Harvard faced URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

In the best-of-three semifinal series, MIT was paired against Tufts, and Harvard faced URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

In the best-of-three semifinal series, MIT was paired against Tufts, and Harvard faced URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between Harvard and the victorious PM. MIT sailed one race against each school.

The next game will be home against Tufts, and Harvard faces URI. MIT's team was composed of Bill Critch '77, Greg Hunter '76, and Greg Hunter '76, with crew Linda Healy '78. The other semifinal was between