classified graduate theses and research are curtailed

By Harvey Baker

This article is based on an interview with Dean of the Graduate School. The inter-
view was made at his request to clarify certain points about classified research at MIT, and, i
particular, classified theses done by graduate students.

The role of classified research in an educational institution is a topic that has received increasing attention in recent years. The Institute's position is that it is serving the public interest by having classified research done by its graduate students.

MIT, according to Dean Irwin Sizer, is not an ivory tower institution and does not feel a need to isolate itself from the world; work done by its students under the sponsorship of the government can ultimately serve the nation.

What concerned Sizer more, however, was his own feeling that work on classified theses does not provide the best form of education for a student to receive. In fact, the Dean's opinion has been echoed by other faculty members to the point where Sizer could say, "From general, we are strongly op- posed to classified research being done by a significant minority of our graduate students."

stress on student activity appears, he continued, that the student does a classified thesis only if he is convinced that the work is on a problem of great importance. The student's work, however, is not used in a private or commercial sense and therefore is not a threat.

The administration will allow a student to do a classified thesis only if he is convinced that the work is on a problem of great importance. This is because of the time the student has to work on a classified thesis does not really yield a good kind of education for a student. Acc-

The administration has been and is continuing to reduce the number of classified theses that its students are doing. In addition, it is now extremely difficult for any student to obtain permission to do a classified thesis.

The administration on the sidelines and ineffective. We feel that it is no longer possible to remain on the sidelines and ineffective. We feel that it is no longer possible to remain uninvolved.

Wienes and Chayes have taken stands against the deployment of ABM systems, and, in particular, the Sentinel system. On Friday, Wiesner indicated to The Tech that he would be "very surprised" if the panel came to a de-cision other than opposition to the ABM system.

Wienes, a close friend of the Ken-

nel. President's approval, Wiesner has also been speaking to groups concerned about deployment of the Sentinel base at Ohio State. In Reading, March, Chayes has also been active as chairman of the Northeast Committee Against ABM.

Wienes said that he had just learned of his appointment earlier in the week. He indicated that he was unsure of who would serve on the panel and the de-
tails of its operation. He said that he expects the paper to be done in its weeks to two months.

In previous statements, Wienes opposed the deployment of the ABM system on the grounds that it had not proved itself to be a technically feasible means of defense. On its effectiveness, he has stated "I am concerned that a variety of techniques available to a nation planning an offensive system is great enough to keep the anti-ballistic missile system of the kind we are talking about totally off balance." He has also expressed fears of further arms escalations if the ABM is deployed.

Wellesley student body grows to Academic Council

By Larry Klein

Wellesley College students are gain-ing a significant role in the college's governance. Margaret R. Olson and John Kristmains, members of the newly-organized Wellesley Com- mittee for Structural Revision of the College, and Hilday Roddrot, president of the Wellesley College Student Body, have given The Tech some of the reasons for the change.

Academic Council

As briefly reported in the last issue of The Tech, the immediate success Wellesley students have achieved in the approval of a proposal for the admit-tance of twenty students to the school's Academic Council. Possessing wide powers, this previously faculty-controlled body is responsible for dealing with all non-social matters that occur at Wellesley.

The passage of this student-upon-sug-gest proposal permits twenty students to attend the Academic Council. These students are generally representational of the student body, being representatives elected from the dormi-
eys, offices of the Wellesley Senate, representatives from the Wellesley
It's not easy. Most large organizations try to mold you into the company image.

Itek is quite the opposite. In environment and in organization, itek encourages you to be yourself. Most itek projects are performed by small, multiple discipline teams of scientists and engineers. This means you have significant responsibilities for the project, from concept to delivery. And, since most itek projects press the state-of-the-art, you can plan on performing original, self-expressive work.

The success of itek in 10 short years is exemplified in the realization of ideas by itek scientists and engineers. A leader in the fast-growing areas of solid-state physics and photo-chemistry, photo-optical and electro-optical systems, itek has grown from a part of one building at Boston University to one of the top 500 corporations in the country— all since 1958.

Blending electronics and optics to create complete, complex systems requires nothing less than competent, productive and individualistic people with a creative approach to problem solving. If you're like that, you won't settle for anything less than what itek has.

We will conduct interviews on campus

**February 28**

If an interview is inconvenient at this time, send resume to Mr. Charles Canfield, Professional Staffing.

**Itek Corporation**

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As an engineer, you want something that can take you from the bottom of the ocean to the outer reaches of space. Opportunity scope that extends to the top levels of management. Figure it out. LTV Aerospace Corporation is one of the fastest growing companies in America, and we want you on the engineering strength. Our ratio of engineers to total work force is exceptionally high. Which adds up to a pretty good spot for you to be in—as an engineer, and as a man.

So, after you've been weighed and measured, inspected and all but dissected—try to stay in one piece won't you? We'd like to talk to the whole man.

CAMPUS INTERVIEWS
THURSDAY, MARCH 6
FRI, MARCH 7

Schedule an interview with our representative or write: College Relations Office, LTV Aerospace Corporation, P.O. Box 5007, Dallas, Texas 75222.
An equal opportunity employer.

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Statement of Feb. 21, 1969

In recent weeks, plans have been announced for a day of meetings to be held at the Massachusetts Institute of Technology on March 4 under the auspices of a faculty group called the Union of Concerned Scientists (UCS). The undersigned, as members of the MIT faculty but not members of UCS, wish to comment on those meetings. Their purpose is to examine a critical examination of the major political, military and social consequences of scientific and technological research—"a symbol of our time"—in the name of which pressure can be brought to bear on the academic community to make commitments on research programs and targets.

We object to the call for a one-day research stoppage on so many grounds. First, its most obvious interpretation is as an act of protest with an aim to bring about the discontinuation of the research activities now being pursued. Second, the research in a free academic community is not something to be turned off or stopped, but rather can be, and must be, an expression of a constructive purpose of the occasion are not linked to the manner in which the activities of the occasion are conducted.

We propose to engage in intensive public discussions and planning for future actions along the lines suggested above. If you share our profound apprehension, and are seeking a mode of expression which is at once practical and symbolic, join us on March 4.

Warren Ambrose
Gene M. Brown
John W. Cahn
Jude G. Charney
Noam A. Chomsky
Stephan L. Chenoweth
Martin Drachm
Mihald S. Doremus
Murray Eden
Peter Elias
James A. Faye
Bernard T. Field

Department of Nutrition and Food Science Statement of Feb. 3, 1969

Certain faculty and student members of the MIT community have proposed that a "research strike" or work stoppage" be held on March 4, 1969, in association with discussions of the social consequences of research and of institutional policies. We, the undersigned members of the Department of Nutrition and Food Science, oppose, in principle, discussions of these important issues within an atmosphere of organized protest which not only precludes objectivity and reasoned debate, but rather, by its nature, implies prejudgment of the issues by its participants. We further oppose the concept of a "work stoppage" that, by implication, would suggest pretention of the right of faculty members to conduct open research of their own choice regardless of source of support.

We support objective discussion, held outside of institute working hours, on how to develop national and international policies which will ensure that research discoveries are used constructively for the benefit of mankind.

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Bernard T. Field

Sponsor mixer February 28th
by Senior House
MIT Student Center 8pm
and the "Ever-Lovins"
band the "Ever-Lovins"
an all-girl band with the soul-rock sound
entertainment Marti and Kati Radnay, folk-rock singers
and girls from all over the Boston area.

LTV Aerospace Corporation Statement of March 4, 1969

Behold the benefits of science and technology to mankind, and to ask those to doubt the issues raised here before participating in the construction of destructive weapons.

If you share with us the conviction that the scientific and technological research which is being conducted at MIT is itself antisocial, whereas it is amply proven that it makes the weapon of one, to which all of us, without exception, can subscribe, somebody cannot be unconcerned about the vast dangers and problems that confront us in these times. The announcement of the meeting has, however, been coupled with a request from the UCS for a symbolic work stoppage of research at MIT on March 4. Since this aspect of the program has received wide publicity, we feel bound to make it known that we speak for a large segment of the MIT faculty and students in expressing a strong dissent from the concept of such research stoppage in this connection.

We object to the call for a one-day research stoppage on so many grounds. First, its most obvious interpretation is as an act of protest with an aim to bring about the discontinuation of the research activities now being pursued. Second, the research in a free academic community is not something to be turned off or stopped, but rather can be, and must be, an expression of a constructive purpose of the occasion are not linked to the manner in which the activities of the occasion are conducted.

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1. To express our determined opposition to all-bladed and hazardous projects such as the ABM system, the enlargement of our nuclear arsenal, and the development of chemical and biological weapons.

By John Steinberg

Emily E. Wick
Philip E. Girshberg
T. R. Nicholson
Gerald M. Weinberg
Maurice A. Benjamin
Daniel L. C. Wang
Leo E. Friedman
Robert N. Lee
Robert S. Lee
David L. Call
Anthony J. Simony
Edward D. Brauns
James N. Farrel
James W. Drysdale
J. C. Eastman
G. Wolf
Paul M. Newhouse
Nevs S. Scrimshaw
March 4

We support the aims and means of the March 4 activities, as stated in the faculty statement of the Union of Concerned Scientists. There has been, of course, considerable discussion on campus concerning the merits of March 4, which has been precipitated by a number of factors. While we do not wish to underrate the significance of the activities planned for that day, we are concerned that the activities proposed may be misconstrued as a protest or a challenge to the administration. We believe that the possibility of such a protest is not ruled out if the goals of March 4 are not realized.

One Issue

One point which will certainly be discussed on March 4 is the need for scientists to exercise responsibility for the manner in which their work is used. There is a further issue here, however, which is more elusive: the extent to which it is possible today for a scientist to control the way in which his research is used. At present, 75 per cent of the research done at the Institute is funded by government agencies, according to the administration. Not all of this is defense-oriented, of course, nor is it that which is sponsored by the Department of Defense entirely directed toward weapons development. What does happen, however, is that all the agencies, through its various contracts, makes funds available for pure research in those areas which are likely to have long-term implications on defense. New ideas and new alloys developed by a metallurgist without any defense application in mind, might find its way into atomic weapons. Techniques developed here for weapons research might well also be useful in designing a Fractional Orbital Bombardment System (FOBS). Yet the scientist who makes the initial discoveries has no way to influence decisions concerning the applications of his work.

We hope that the discussions of March 4 (as the﹝of the scientifc community thereafter) will be directed toward finding useful means for meeting the acknowledged need to monitor the use of technological progress.

UCS Reply

To the Editor:

In his "Analysis" (The Tech February 18) your reporter, Jay Kunin, evinced certain opinions that are, in fact, far from those of the group which has "taken over" the planning and program of the day. In his article, Mr. Kunin fails to consider the fact that even if the student-faculty group that was present during the initial planning phase are still collaborating. No one but the student-faculty group was present for March 4. The purposes are most succinctly stated in the "Faculty Statement" of the Union of Concerned Scientists. We enclose a copy of this statement, which we believe you will be interested to read if you find it interesting.

Francis Low, Chairman
UCS (Ed. note: the statement of the UCS is printed in full elsewhere in this issue.)

March 4

To the Editor:

The article by News Editor Jay Kunin which appeared under the auspices of "News Analysis" in the Feb-

uary 18 issue of The Tech bears some deeper thought than was put into it by the writer.

Mr. Kunin begins by stating that the idea of a research stoppage is nothing new. No student group has "taken over" the planning and program of the day. We believe your readers may find it somewhat trite, and indicates a basic misconception. Mr. Kunin goes on to point out that a professor stops his research every time he leaves his office, lab, or what have you. While this idea of a research stoppage is not new, it is far from the attitude of the Union of Concerned Scientists.

We support the aims and means of the Union of Concerned Scientists. We believe that the possibility of such a protest is not ruled out if the goals of March 4 are not realized.

The question of an activist takeover of the campus has been three times restated. Perhaps it is time we considered whether the idea that the topic for this discussion on campus concerning the merits of March 4 has been precipitated by a number of factors. While we do not wish to underrate the significance of the activities planned for that day, we are concerned that the activities proposed may be misconstrued as a protest or a challenge to the administration. We believe that the possibility of such a protest is not ruled out if the goals of March 4 are not realized.

The faintly threatening tone of the "statement" regarding the March 4 activities is, however, which is more elusive: the extent to which it is possible today for a scientist to control the way in which his research is used. At present, 75 per cent of the research done at the Institute is funded by government agencies, according to the administration. Not all of this is defense-oriented, of course, nor is it that which is sponsored by the Department of Defense entirely directed toward weapons development. What does happen, however, is that all the agencies, through its various contracts, makes funds available for pure research in those areas which are likely to have long-term implications on defense. New ideas and new alloys developed by a metallurgist without any defense application in mind, might find its way into atomic weapons. Techniques developed here for weapons research might well also be useful in designing a Fractional Orbital Bombardment System (FOBS). Yet the scientist who makes the initial discoveries has no way to influence decisions concerning the applications of his work.

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Dramashop: nine days to producing one-act plays

Between audition on Monday of one week and performances on Friday and Saturday of the next week, are crammed the full production of Dramashop’s one-act plays.

Into these nine days go the learning of lines, the designing and constructing of sets, the collection of props, the costume of the actors, the arrangement of lighting, and the rehearsing of the plays. The students who try out are not expected to be trained or experienced actors; often a student will enter the Little Theater in Kresge for the very first time and be cast in a major role.

Currently supervising the Dramashop production is Visiting Professor Michael Murray, former resident Director of the Charles Playhouse in Boston. He directed Rehearsal by Jean Anouilh, which is now running at the Playhouse. Professor Murray provides consultation for the student directors of the one-act plays, and will direct the major production later this term.

Julia Feiffer’s “Crawling Arnold,” directed by Jeff Moldeman, and Israel Horowitz’ “Rats,” directed by Richard Fishberg, will be presented by Dramashop this Friday and Saturday at 8:30 in Kresge Little Theater. Admission is free. A critique and coffee and donuts will follow the performance.

Markets nobody else knew were there made Mustang and Thunderbird a success.

Help wanted:

Does the growing youth market offer a new potential?

Situation: By 1972, 46% of the U.S. population will be under the age of 25. If this is a new market with substantial potential, should we base our product concept on economy or performance characteristics?

Consideration: The under 25 market poses some interesting opportunities. For one, today 14.7% more young people work toward advanced college degrees than did the youth market of 10 years ago. That would seem to indicate a need for a new car based on economy of purchase and operation.

But, market efficiency and the increasing number of multiple car households could indicate that a new vehicle should be developed around high style and high performance.

Need the facts and your analysis of this assignment for a meeting with management next month. Thanks.

Want to work on a challenging assignment like this? A new member of the marketing team at Ford Motor Company does. Today his job may involve probing for new markets. Tomorrow it might be discovering a new basis for segmented marketing.

To help solve problems like these, our people have a giant network of computers at their service. Complete research facilities. The funds they need to do the job right.

If you have better ideas to contribute, and you’re looking for challenging assignments and the rewards that come from solving them, come work for the Better Idea company. See our representative when he visits your campus. Or send a resume to Ford Motor Company, College Recruiting Department, The American Road, Dearborn, Michigan 48121. An equal opportunity employer.

classifieds

A few men 22-30 needed at summer camp listed by Sports Illustrated as one of the nation’s ten best. July-August in Adirondacks between Keene and Lake Placid. Chief activities: hiking, swimming, riding, and farming. Age group 8-11. Especially seeking experienced riders, senior lifeguards, and a leader for group singing who will bring instrument. Beautiful location, excellent working conditions, food, facilities, and salaries. Call (Concord) 369-7519.

WANTED: Sitter for infant 3 mornings per week. Call 491-2750.

Room and Board for student couple willing to help in home with infants. 861-8220 Lexington.

Specialized day care for children age 2½ to 7. Includes lunch and group activities. Full or half day. Central Square area. Call 547-4624 after 6.


PLAY THE STOCK MARKET GAME

No Risk — Big Cash prizes for Successful Players. For Info Send Name and Address to BED Dave, PO Box 240 MIT BR, Cambridge, Mass 02139.

Want to make more money this summer? Immerse yourself in a skill that is vital to the stock market activities. For some, the thrill is excitement; for others, it is a challenge for personal achievement. For many, it is a combination of both.

The stock market game is available at the Daily Word for $3.00 a month. Call 876-6063 for more information.

WANTED: Sitter for infant 3 mornings per week. Call 491-2750.

Room and Board for student couple willing to help in home with infants. 861-8220 Lexington.

Specialized day care for children age 2½ to 7. Includes lunch and group activities. Full or half day. Central Square area. Call 547-4624 after 6.

Announcements.

* Application for postponed-final and advanced standing examinations must be returned by Wednesday, February 26, to Room E19-338.
* Elections for Undergraduate Association President and all class officers will be held Thursday, March 13. All interested candidates should obtain petitions in the Inscomm Office, E19-338.
* Any photographer who contributed pictures to The Tech Volumes 85, 86, or 87 and would like his negatives returned should contact the Photography Editor before February 26, when they will be discarded.
* Any student interested in joining a group studying the use of computers in education, please contact Steve Bernstine, x3205 or Gary Got, x3258.
* Professor Jack P. Raina, Vice President for Special Laboratories, will speak at the Viewpoint luncheon today at 12:00 to 2:00 in the East Lounge of the Student Center. The topic is "Sentinel: Issues Pro and Con." Coffee will be provided.
* There will be a meeting of AIESEC Thursday, February 27, 1969 in Room E7 in the Sloan Building. All students (particularly Course XIV, XV, XVII) interested in a summer job in Europe should attend.
* The Education Research Center will present the following in the Thursday Colloquim Series. All are from 12:00 to 2:00 pm in the Bush Room, E19-105:
  - February 27: "Some Student Initiated Educational Projects," by Steve Schwartz '71, Director, Education Studies Program.
  - March 6: "School Faculty Survey," by Roy L. Sheehan, Educational Development Center, Pilot Communities Program, Washington, D. C.
  - March 13: "Primates Thinking Patterns: A Neglected Area in Formal Education," by Charles A. Pinderhughes, Veterans Administration Hospital, Boston.
  - March 20: "The Communication of Games" by Eugene Bell of MIT.
  - March 27: "The Neighborhood Health Center as a Firm for Professional and Community Needs," by Coast D. Gibson, Jr. of Tufts Medical School.

Paxton Quigley went to college to learn about Love.
He learned and learned and learned — Too much learning isn’t good for a young man.

Here’s one card from the establishment that no student will ever burn.

TWA 50/50 Club
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- Name: Warren Margules
- Address: 3486 New York

It’ll give you a great trip on your spring vacation.

TWA flies just about everywhere. See your travel agent, TWA Campus Representative or stop by the local TWA office. Forget about classwork and fly TWA somewhere at half-fare. Even if your parents approve.

TWA
The things we’ll do to make you happy.
On the Charles between Longfellow Bridge and Science Museum. Parking

SYSTEMS ANALYSIS/PROGRAMMING

*Language Development: Compilers, assemblers, problem oriented languages, conversational language.

*Monitor and Control Systems: Real-time data acquisition and control, process control.

*Time-sharing Systems: Monitors and executives, communications software, file management, information storage and retrieval.

COMPUTER ENGINEERING

*Communications Engineering: Time-sharing applications.

*Digital Systems: special hardware design and implementation, modernized peripheral interfaces.

INTERACTIVE COMPUTER UTILITY

*Market Research and Development.

*Customer Support: applications programming, teaching.

*Operations Research.

Wellesley student voice grows

(continued from page 1)

College News Service, and four additional, non-permanent students chosen by the Wellesley Government President on the basis of their relevance to the issues being discussed at a particular meeting.

Although students have been accepted into the Academic Council on a revolving status only, they will, nevertheless, have significant opportunities to influence the direction the Council takes in deciding issues. Moreover, it was quite acceptable, considering that first-year faculty members at Wellesley have gained the right to vote at Academic Council meetings only beginning this school year.

Evolution and progress

This immediate access achieved by Wellesley students is an important one, but it is not actually a major breakthrough. Wellesley students have gradually whitened down resistance to their cause by first working for and gaining the abolition of the Academic Council's "row of silence" (proceedings of the Academic Council meetings at one time were kept secret) and the permission to sit students on Wellesley's Board of Admission, a subcommittee of the Academic Council.

Considering the situation on a larger scale, the three Wellesley student leaders interviewed seemed to agree that the student movement is the "power of policy-making decisions has been in evolutionary one.

As students at Wellesley began to address themselves to "substantive" issues, they began to realize that they had practically no practice in academic policy-making at the college. And, although the college administration had gradually been showing more flexibility unofficially, the thaw was not extending to its official policies.

Things began to happen. First, Ethos, the Wellesley Black student group, was organized, and began working for programs relevant to its membership. About a year later, students at Wellesley held a parking lot demonstration in favor of pass-fail. In the meantime, of course, various other smaller student efforts toward bringing about increased student participation in the school's decision-making process were also taking place.

Finally, last year's excitement at Columbia and the efforts of Ethos and other student groups at Wellesley to gain the administration's permission for holding a summer program along the lines of Upward Bound on campus brought the administration to the point where it finally permitted the Wellesley students to corner the Committee for Structural Revision of the College.

This Committee has now completed its final work and will present a report of its conclusions on April 15 to the trustees of the college. Although one might be tempted to accept the title of the report, the Committee for Structural Revision of the College appears to be just what it says it is. The committee is preparing a report recommending major changes in Wellesley's entire structure. These recommendations include such diverse areas of policy as dormitory rules, leaves of absence, and the amount of required work a student must take at Welles-

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THE ENGINEERING TRAINING PROGRAM

Open to BS or MS graduates in Electrical Engineering, Chemical Engineering or Physics with a B average or better. Qualified students from external institutions and Arizona State University eachframe is placed in a rotational program covering four engineering activities at the advanced degree level.

THE MARKETING TRAINING PROGRAM

Open to BS graduates in Electrical Engineering or Physics with a B average or better. Marketing training may work as engineers are appointed. Rotational assignments are made in the marketing area.

Feb. 25

TUESDAY, FEBRUARY 26, 1969 PAGE 7
May we have a meeting of minds?

What's happening in YOUR field of interest at Wolf Research and Development Corporation? You're invited to probe the mind of the man from Wolf during his forthcoming visit to the campus. He'll be happy to tell you about the advanced nature of our work in diverse areas of the explosively expanding Information and Data Systems Science.

Ask about the unique professional climate and challenge available — how Wolf scientists and engineers work years ahead of the state-of-the-art in concept and analysis problems that would confound the ordinary mind ... and you'll hear about the benefits — exceptional salary and advancement policy, educational continuation, professional publishing and many other attractive tidbits.

See your campus placement office...
Steiger holds up 'Sergeant' with creditable portrayal

By Joe Miller

"The Sergeant" asks the eternal question: Can a small town southern sheriff in the army find true happiness with a grounded angel from the end of the platoon?

In the opening scene, poorly drafted as a typical black and white WW II documentary, Steiger single-handedly completes his plot's mission against the Germans in France. He demolishes the last man and in doing so earns the Disistinguished Service Cross. This is typical of the symbols of vitality which comprise seventy percent of the film. Returning to France eight years later at First Sergeant of a maintenance company, he finds a private, the paragon of the postal hillbilly of virility which comprise seventy percent of the population. This is typical of the symbolicness of masculinity. Steiger comes through even more strongly, although the film writers give him only a few scenes of masculinity and pathetically written speeches.

If you go to the movies to enjoy a good plot, "The Sergeant" will probably disappoint you. However, if you enjoy good acting, "The Sergeant" will be quite satisfying.

MIT was awarded the 1969 Continent Championship by the North American Tiddlywinks Association at its annual tournament held over the weekend.

The engines folded two teams against teams from Cornell, the University of Ottawa, Regina College, Harvard, and Case Western Reserve University in the double-elimination event. The Tech "A" team took first place, followed by Cornell (second) and Case (third).

This was MIT's second consecutive victory in the annual Tiddlywinks tournament. The champions won the 1968 championship, held at Cornell last November, over teams from Toronto and Cornell.

Intermediate Tiddlywinks was won by a Harvard team which has since disbanded. Tournament play is now organized by the North American Tiddlywinks Association. The only elected office of the NATA is the captain of the MIT team, Mitch Wand '69, who holds the office of NATA Secretary.

--

"...progress depends on the unreasonable man."

-- Shaw

National Semiconductor will be on campus on the above date to interview the following positions are merely typical of current openings. The list is not intended to cover all positions.

APPLIED ENGINEERING: Requires BSEE and prior knowledge of semiconductor devices and solid-state physics.

QUALITY & RELIABILITY ENGINEERS: BS degree in Electrical Engineering, Physical Science, or degrees in Statistics or Mathematics.

ELECTRONIC DESIGN ENGINEER: BSEE degree to work in the area of design to apply automated component theory to various electronic equipment, systems and solid state instruments.

PRODUCT & PROCESS ENGINEERS: BSEE degree in Electrical Engineering, Physics, Chemical Engineering, or Chemistry, and Mechanical Engineering.

This is a partial list of our current openings. Other positions available for college graduates at all levels.

To arrange for a campus interview please contact your Placement Office. If interview is inconclusive at this time please write to our Professional Employment Office, 2950 San Ysidro Way, Santa Clara, California 95050. An Equal Opportunity Employer.

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Tech cops tiddlywink crown for continental championship

"...progress depends on the unreasonable man."

-- Shaw

Unreasonable? If by this is meant an inquisitive restlessness, a chronic discontent with present levels of human achievement... then National Semiconductor is not unreasonable company, and has been from the start. Our methods and people are not pre-patterned, not cut from a common cloth. This has made the National story unique; a story of remarkable growth through exceptional people. Because we are the fastest growing company in the history of the semiconductor industry... we are seeking engineers to continue to grow. To the unreasonable of this age... our call goes out.
Number drops

Only two graduate theses are classified research

(continued from page 1)

explained that after a student com-
pleted a classified thesis, another one was always done in either Electrical Engineering of Aeronautics and Astronautics, the stu-
dents are first found in an MIT library and look up. The author cannot publish his book until the thesis has been declass-
ified. Now, almost immediately upon its completion, it is submitted to the
Army or the Air Force for declassifica-
tion.

In general, a thesis is declassified fairly soon after the thesis was submitted in. In a few instances, it may take a long time. When asked whether this was possible on December
18, the thesis was not yet declassified.

The government aid

When confronted with the fact that
MIT receives a significant contribution to its operating expenses each year from the government, and asked whose
idea the large voice regarding ventures in classified research is, the government aid
said that it was not accountable to the
military. Students doing research here are responsible only to the professor in
charge of their work, and in a more indirect way to the Institute at large.

No student ever has an Army Colonel looking through a peephole watching
him at work.

"Name any school in the country doing science and engineering research, and you'll find they are heavily sup-
ported by the government," he said.

Apparently the government is the only organization consistenly enough and with
sufficient resources to support the re-
search work being done here. Abandon

IFC elects four for 69-70; two posts still open

Tuesday, the IFC elected several new officers for the coming year. Elect-
ed Chairman was George Katsiaficas '70 (CCS) of Baltimore. Milt. Chris
Thuner '70 (SAE) of St. Marys, Ohio, was chosen Vice-President. The office of Treasurer was won by Travis Jack-
sen '71 (DU) of Alvin, Texas, and Paul Snover '71 (KS) of Winnetka, Ill. was elected Parchang Manager.

The IFC posts of Secretary and In-
form representative are still open.

Anyone interested in these positions should contact George Katsiaficas at ESX16, or Chris Thuner at ESY17 or
even attend the Executive Committee meeting at 10:00 PM Sunday in the IFC office, W20-420.

Thuner announced at the meeting the IFC had discovered that 51,360 had been reimbursed from the treasury recently. No details were available.

IM sports

CP seeded first in IM hockey

By George Nowosielski

Hockey prepared itself for its grind-
ing 16 team double elimination tourna-
ment with a series of seed-determining games. All A league teams (except for
Athena House) and the top two B

shockers. The bottom seed won its first round game but didn't qualify as a de-
classified thesis in the B league. So the
win-
ners of each B league are automatically seed-
ed. The third tiny seed went to Senior House, which edged Theta Chi 1-0.

In a battle for fifth seeding, AEPI stepped up a notch in the Baker tourna-
ment. The third seed went to Senior House, which ended Theta Chi 10-0.

To the above games. Baker was eliminated by Corporate Education Center 4-0 to send the Delts to a third place finish.

The outcome of the SAM-DTO tour-
ment will determine the 14th and 15th seeds, while the winner of the Baker Home/ East Cup match takes the 16th and last seed. In action leading up to
the above games. Baker eliminated C1 league champ Barton 'C' 2-1 and East Cuppino dropped C2 league winner Bercy from further competition 3-0. Baker then lost to SAM 2-1, while EC fell to the Dells.

The favorites in the tournament are:

NRSA, LCA, and CP, in that order. Senior House, TC and KS are possible darkhorses. Defending champ DU hasn't won this year, and is given little chance to repeat.

Detsy Upton qualified at the

fourth seed. The basketball play-offs by beating PLP 61-52 Sat-
day. Walt Sushan '69 had 23 points while Hal Jones added 21 for the
winners, and Bob Weinberg '70 scored 21 in a losing cause.

In the opening round of the con-
solations PDT eliminated Baker House 40-28 with a well-balanced attack.

John Light '70, Terry Michal '70, and Tom Braun '71 all hit for double
figures. PLP cruised SAE 'B' 67-35 as the Pi Lam team starting members fattened their individual averages.

In the bottom bracket SPE coasted to a 49-31 triumph over ATOS. Tom Papa '71 and Jim Truitt '69 did the scoring and Ken Wayne '71 the re-
bounding as the Big Six advanced easily.

Is it possible to be passed by 30?

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failed to keep up with the latest developments in his
field.

Because Western Electric's an acknowledged in-
dustral leader in graduate engineering training, that's
one worry our engineers don't have. Our nearly-
completed Corporate Education Center near Princeto-
n, N. J., for instance, will have a resident staff of over
100. More than 310 engineering courses will be

offered, and about 2,400 engineers will study there in
1969. It's the most advanced facility of its kind.

Ask around. You'll find that when it comes to antici-

pating change, Western Electric is way out in front.

And we make every effort to keep our engineers there too. See our recruiter or write College Relations, 222 Broadway, New York, N. Y. 10038.

A lot of study, and hard work, never hurt anyone.
Stony Brook suffers 9-0 loss at the hands of raquetmen

By Roger Dear
The varsity squash team romped to an easy 9-0 win over Stony Brook last Saturday at the du Pont squash courts. The victory puts the season's record at 1-6-0.

By Don Arkin
In two hard-fought matches last weekend, the MIT fencers fought their opponents nearly down to the last three epee bouts and then won 14-13. The season has now won three in a row, tying their season's record to 5-5.

The Dartmouth meet on Friday was by far the most exciting meet of the season. With only one epee match left, the score was tied at 3-3. Vince Fauss '70 and his Dartmouth opponent fought hard but continuously until time ran out with the match tied 2-2. With this, the match went into fencing's equivalent of sudden death overtime - the score was tied to 4-4 and the match was to continue until someone got the final "touch." After five minutes of sustained battle, Fauss won the one who came through, only one yard away from Tech's penalty line.

The epee squad also contributed two other wins to the engineer victory. Farris picked up one of these wins, and Gus Benedict '71 picked up the other. Successful bouts.

The engineers picked up most of their points in the foil competition which they won 7-2. Captain Bob Gen- tal '69 won all three of his matches to pace the squad. Bob Markey '69 won two of his three bouts. Pat Tam '71 and Bill Barber '71 each won two matches out of three for the engineers. The Saturday meet against Trinity was also a cliff-hanger although Tech had a little more breathing space. The score was tied at 2-2 with three epee bouts to go. Thus one of the so-called winners had to win the match tied 2-2.

The contest actually wasn't decided until the last minute of play. With Tech leading 8-7, Coach Martin pushed the poised for an extra attacker. Am- bert almost immediately cycled in on the open net. With five seconds left, Am- bert added another insurance goal to increase the final margin to three. The line of Maris Sulcs '69, Mike Taliby '69, and Bill Barber '71, pro- duced most of the punch behind the Tech attack. Sulcs and Taliby registered two goals apiece while Barber lit the lamp once. Captain Scott Rhodes '69 and Mike Neschleba '69 marked their last games in Tech uniforms with a market score.

Tech fencer matches blades with competition, Saturday. The engineers eventually won the meet in a thrilling finish by a 14-13 score.

By Ray Kvasnica
In an upset which ranks with the Buffalo Bills beating the New York Jets, Amherst defeated the MIT foil squad 10-7. The Anhert team hadn't won a game in twenty-two starts, dating back through last season. But for the engineers, the score was raised to 44 and the season at .500 as they closed with a bang. The final margin to three. The contest actually wasn't decided until the last minute of play. With Tech leading 8-7, Coach Martin pushed the poised for an extra attacker. Am- bert almost immediately cycled in on the open net. With five seconds left, Am- bert added another insurance goal to increase the final margin to three. The line of Maris Sulcs '69, Mike Taliby '69, and Bill Barber '71, pro- duced most of the punch behind the Tech attack. Sulcs and Taliby registered two goals apiece while Barber lit the lamp once. Captain Scott Rhodes '69 and Mike Neschleba '69 marked their last games in Tech uniforms with a market score.

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Hofstra upsets wrestlers 18-9 in shortened, pinless meet

Lost Saturday's wrestling confrontation with Hofstra gave the varsity grapplers an unpleasant employment surprise.

The Hofstra wrestling team had every reason to be confident, with a 15-1 record in dual meets and a rather large cross-section in almost all of their matches. But even the strongest must succumb, and so it was in dual meet DuPont last Saturday afternoon.

Hofstra 18-9 to the Hoftvers by a 19-9 deficit.

The 19-9 deficit was, in fact, a much larger margin than expected, but even that didn't prevent a fine match from developing. The two teams were quite evenly matched and were entertaining a very well-supported crowd.

By Jay Zager

The victory continued the run of five straight dual meet losses for Northeastern's wrestling team. TheFurthermore, the outlook for the Tech wrestlers dazzled rather quickly. In a series of rough, exhausting matches, MIT had six on six decision, giving Hofstra their first point of the day. With the score 1-0, Gregg Erickson '90, a distance of 130 lbs., lost a disqualification close to one of his Hofstra opponents.

Hofstra, with an impressive 1-4 record, opted to keep things even with a match by setting the pace for a very well-supported crowd.

The situation was bunched slightly ahead of the Tech wrestlers. With 196 lbs., Hofstra was 1-0, 1-1, and won the match by forfeiting two matches.

Capitain Lee Dillen '69 resting after breaking MIT's victory record for 500-yard freestyle. His time of 5.17.9 broke the old record by 10 seconds and beat his closest competitor by more than 30 seconds.

By Ron Child

Wrestle 145 lbs., Paul Jones '71 got a pin in only 8.4 seconds.

Hofstra's 15-9 victory was due to the hard work of several Tech wrestlers. Mike Shilling 171 lbs., took the lead over his opponent with 112 lbs., by beating his opponent out of the match.

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