Faculty approves compromise ROTC measure

CEP recommends review of contracts, course credit

By Duff McRoberts

A compromise proposal of the Committee on Educational Policy for the study of ROTC on campus gained overwhelming Faculty approval Wednesday. The action authorized the formation of a special ad hoc committee.

The committee members, whom President Johnson said he expected to name by the end of this term, will report by December on a wide range of possible alterations to the military programs, giving special consideration to five suggestions listed in the CEP motion.

Introduction. For the CEP by Professor Frederick McGarry (I), the proposal combined features of several others that had confounded the Faculty last week. Consultation among Faculty members who had formulated the earlier proposals resulted in general support for the compromise motion.

Mollon excerpts

Some excerpts from the motion:

1. We move that the President appoint a committee to study the following five points including the CEP objectives and other possible alterations in the program:

   1. The status of the ROTC units at MIT should be clarified.
   2. The CEP recommends that the ROTC programs be administered by Special Office staffed by representatives of the Military Services.
   3. The procedure for awarding faculty status to members of the Military Services should be re-examined. The CEP recommends that recommendations for faculty appointment come only from a regular academic department.
   4. The award of academic credit for NS, NS, and AS subjects should be reviewed. The CEP recommends that academic credit should be given only for subjects offered by regular academic departments.
   5. A continuing review system for the ROTC programs should be established by the Faculty.

Proposers of the motion stressed that the five guidelines would represent suggested areas for special consideration by the committee, rather than expressions of current Faculty sentiment.

Segal moves delay

Professor Irving Segal (XVIII), whose motions to eliminate ROTC were defeated last week, commented, "I think the present motion is a useful step in the right direction." But he expressed a hope that the Faculty would also move immediately on record against academic credit for ROTC. He introduced a "sense of the Faculty" resolution to that effect, which was tabled.

In other action, the Faculty approved a new program for granting graduate degrees in Ocean Engineering jointly with the Woods Hole Oceanographic Institute. Professor Alfred Keil, head of the Department of Naval Architecture and Marine Engineering, introduced the motion, which met with some question concerning the use of the research, classification, and source of funds.

Final schedule

A proposal of the Committee on Academic Performance for 3-day reading periods and 8-day examination periods for the next year was approved, pending a more comprehensive report from the Calendar Committee.

African art opens in Hayden Gallery

By Karen Wattel

Around 9:00 Sunday evening, I was lucky enough to glance at a black book and was suddenly reminded that I had been invited to the opening of another art exhibit in the Hayden Gallery. Immediately, visions of the black and white poster sprang to mind.

Hayden Gallery looked good with the pieces, from the Tahitian collection; the exhibit was just the right size for the room—neither overwhelming nor overpowering, but large and diverse enough to hold one's attention. The Christ figure with an African face, the ivory figurine rubbed smooth on one side from being rubbed against a diaphanous face, and the rare African male mask are among the more interesting items on display. It is interesting, too, to look at these pieces in the light of their influences on our art today. For this reason alone it is an exhibit worth attending.

By Karen Wattel

African art from the collection of Paul Thalman, '24, is now being displayed in Hayden Gallery.

Pieces of African art from the collection of Paul Thalman, '24, are now being displayed in Hayden Gallery.

Photo by Craig Davis

Photo by Karen Wattel

Tidman collected from a "humanistic point of view" pieces representing all major stylistic regions of Africa.
Dear Mr. Galvin:

I speak of the future—the vacuumous invisibility of the computer. The future is one certainty: the total acceptance by big business of the computer as a replacement for the office worker. Business has not only replaced the worker, but has even paced the times. Therefore, the speed, accuracy, and flexibility of growing businesses are not the concern of business computer systems alone.

The clerk, the bureaucratic non-entity of business, will be replaced by the complexity, yet practical simplicity of the computer. A computer gathers and stores data and information, and more accurately than man. The future business... and from their perspective the corporate Dialogue will be computer based. The computer has broadened the horizon much further. With its characteristic abilities for sensing, feedback, and self-adjustment—the determination of changing requirements without human intervention—many interesting applications and responsibilities for applying the skills, and wide knowledge, needed to use these tools. As a result, the individual gained more capabilities, and industry, more capacity.

The computer has broadened the horizon much further. With its characteristic abilities for sensing, feedback, and self-adjustment—the determination of changing requirements without human intervention—many interesting applications and responsibilities for applying the skills, and wide knowledge, needed to use these tools. As a result, the individual gained more capabilities, and industry, more capacity.

The final determining force in the future unfortunately is man's selective programming into the machine. Will man thus fear the power of the machine? Will computer workers be developed to their fullest potential, and allowed to function? More important, will business accept the apparent philosophical implications of a machine having better talents than man?

Yours sincerely,

Arnold Shelby
Latin American Studies, Tulane

Mr. Galvin:

Will Men Fear the Power of the Thinking Machine?

Dear Mr. Shelby:

Why should men fear the machine? It's a tool for the elimination of drudgery... for freeing people from limiting routine. Each more sophisticated application opens another door to exciting new functions for the individual. As to business' acceptance of the apparent philosophical implications of a machine being better equipped than man... let's expand your question to include society as a whole. Your suggested potential of the machine's inventiveness, after all, would not only affect the structure of business and its practices but every institution of the community—education, government, the professions, in fact, man's day to day living environment. Already many of these changes have been manifest.

Think of the brigades of bookkeepers trapped through the years into peering from under their green eyeshades at meaningless columns of figures. With perfection of the adding machine and comptometer, their work was simplified—a whole new dimension. No more scratching out monthly statements with a steel-tipped pen. Instead, many have assumed functional more interesting responsibilities by applying the machine to their earning capacities—to the extent that each utilizes the opportunities proffered. Isn't this a capsulated instance of the accelerated drive for progress, and man's growth?

No one really knows to what exotic limits computers can be driven. But one day may well come when "creative thought" is a characteristic. But I am confident that during the intermediate evolutionary steps, man's intellectual sophistication will continue to outpace the machine, and assure control over product of his own making. Certainly there's no real cause for worry, however, until the machine learns how to plug itself in.

Sincerely,

Robert W. Galvin
Chairman, Motorola Inc.

IS ANYBODY LISTENING TO CAMPUSS VIEWS?

BUSINESSMEN ARE.

These chief executive officers—the Goodyear Tire & Rubber Company's Chairman, Robert W. Galvin, Dow Chemical Company’s President, H. D. Doan, and Motorola's Chairman, Robert W. Galvin—are responding to serious questions and viewpoints posed by students about business and its role in our changing society... and from their perspective as heads of major corporations are exchanging views through means of a campus corporate Dialogue Program as specific issues raised by leading student spokesmen.

Here, Arnold Shelby, in Liberal Arts at Tulane, is exploring a point with Mr. Galvin. keenly interested in Latin American political and social problems, Mr. Shelby toured various countries in the area last summer on a “shoe-string” budget. He plans a career in journalism.

In the course of the entire Dialogue Program, Arthur Klebanoff, a Yale senior, will probe issues with Mr. Galvin; as will Mark Bookspan, a Chemistry major at Ohio State, and David G. Clark, as student spokesmen. With Mr. Doan; and with Mr. DeYoung; and, similarly, David M. Butler; Electrical Engineering, Michigan State, and Stan Chess, Journalism, Cornell, with Mr. Down.

Its uses in long-range economic policy planning by government, and by business and its role in our changing world. The future is one certainty: the total acceptance by big business of the computer as a replacement for the office worker. Business has not only replaced the worker, but has even paced the times. Therefore, the speed, accuracy, and flexibility of growing businesses are not the concern of business computer systems alone.
**Forum defines Lincoln goals**

By Alex Makowski

"The primary goal of Lincoln Labs is to organize interdisciplinary teams to focus on large-scale goals." The Lab was created to tackle tasks too immense for any one MIT department rather than to serve educational ends. Any attempt to justify the Lab’s existence on solely educational grounds will fail. These points were emphasized by members of the Lincoln staff at an open forum on the Lab held Tuesday.

Lincoln meets: Many of those participating in the forum were concerned with pinning down the value of Lincoln for the Institute. The potential for vigorous faculty-lab interchange was repeatedly stressed, though the present dearth of such contracts was admitted. The Haystack radio-astronomy antenna was cited as a specific example of the coordination possible. And the "peripheral activity" surrounding such projects as ABM radar development does attract roughly two dozen graduate students each year. They come to take advantage of the equipment and experience available at Lincoln.

"MIT prestige" Lincoln, one employee initiated, does need MIT. Comparing the vitality of the Lab with such independent facilities as the MITRE Corporation, he resisted attempts to label the close ties with the Institute superficial.

Another advantage is the prestige that Lincoln derives from the label "MIT." When dealing with outsiders, the Lab find not fear pressure to contract for some undesirable project.

A largely unresolved issue concerned the effect of the lab on departments not directly related to it. One professor voiced his feeling that MIT should loosen its ties with Lincoln, meanwhile forming relationships with industrial labs. His goal was to give other departments the same benefits Lincoln provides.

The forum opened with some general factual information about MIT’s controversial facility. Approximately one-third of the 1800 employees are labeled professionals; 200 have PhD’s; almost 400 more have a Master’s. Fifty percent of the work done is classified.

**Security clearance** Security clearance is not required to begin work, although all employees must file for clearance. There are essentially no "closed areas" inaccessible to the staff or their guests. "About the only place you can’t see," remarked another staff member, "is the inside of the safes."

Attendance at the forum was surprisingly poor, as the six staff members from Lincoln were met by roughly the same number of MIT professors. Only one graduate student was present, and undergraduates were totally absent.

---

**GET ANOTHER VIEWPOINT**

**On students, politics, civil rights, Vietnam, Nixon.**

On love, life, books, art, music, drama, films, fun.

---

**COLD CASH FOR YOUR TEXT BOOKS**

Tech students, turn in your textbooks for quick cash at the MIT Coop in the Student Center.

---

**THE WASHINGTON POST**

Available every morning at:

OUT OF TOWN NEWS – Harvard Square
NINN’S CORNER NEWSSTAND – Harvard Square
FELIX NEWSSTAND – Massachusetts Avenue
READING INTERNATIONAL – Brattle & Church Street
MONTROSE SPA – Massachusetts Avenue
MIT COOP BOOK STORE – Massachusetts Avenue
HOLIDAY INN – Massachusetts Avenue
TREADWAY MOTOR INN – Mt. Auburn Street
BENCE PHARMACY – Massachusetts & Chauncey Street

---

**THE COOP**

HARVARD SQUARE
Open Thurs. ’til 9.
HARVARD BUSINESS SCHOOL MEDICAL CENTER
Longwood and Brookline Aves., Boston
M.I.T. STUDENT CENTER
The Collegiate Department Store

---

**Before you sail away, pick up PACKING SUPPLIES**

As you prepare to set sail from Cambridge-on-the-Charles, make a quick one-stop shopping trip to our stationery department for all the packing supplies you need.
The university of the future

As we look back on this year at MIT, we cannot help feeling that we have witnessed the beginnings of a major change in the nature of the universities within our society.

The major change which the universities (particularly schools such as MIT) must face is that they are becoming ever more important and influential in all operations of our society. Our socio-economic structure is based on expertise, and there is no better source of this quantity than the academic community.

As we have seen in the issues raised this spring, as the nation draws more and more heavily on the universities' expertise, these institutions become more involved in research, funding, and other areas take on enormous political implications. Once apolitical, the academic community as a whole can no longer escape the fact that some issues, not taking a stand as a community may amount to an endorsement of the status quo, which is of course a stand in itself.

Based upon reports from Agenda Days, it seems that faculty members of the community have reached this conclusion. Extrapolating the developments of this year into the future, it seems to us altogether possible that the time may come when great all operations of our society. Our socio-economic implications. Once apolitical, the academic research, funding, and other areas take on enormous political implications. Once apolitical, the academic community as a whole can no longer escape the fact that some issues, not taking a stand as a community may amount to an endorsement of the status quo, which is of course a stand in itself.

The problem has been most clearly recognized in relation to defense research, because this area is one in which university-government relations have potentially the closest training. We foresee the possibility that university involvement in such pressing problems as urban renewal, welfare, and other areas may well embroil academia in new and possibly bitter political hassles. This, and the fact that the current high school attrition rate and the fact that new freshmen may come "pre-radicalized" in the future, leads to the conclusion that further involvement of the universities in the nation's policy decisions is inevitable. Affluence has given students the opportunity to be concerned with principles as well as earning a living, and they are taking that opportunity quite seriously.

In this situation, we see a need for a new type of education which we feel that MIT is uniquely qualified to provide, if it recognizes the opportunity and rises to it. In a technical society, the mark of the educated man will not be a grounding in the arts, but rather a sophisticated understanding of the principles and limitations of science and technology. The basic education will not be the liberal arts, but "liberal technology." Men with a technical background but with a much broader perspective than is traditionally associated with the engineer will be the leaders of such a society. Given its strong technical base, MIT will be well qualified to offer this type of education if current efforts at achieving liberalization and "relevance" are pursued in a meaningful manner.

We see this trend in situation as MIT as entirely consistent with our thoughts on the role of the university of the future. In our view, this approach to education (coupled with traditional professional training) will be an expert advance in which MIT must take a leadership role.

Wednesday's second faculty meeting on ROTC demonstrated most clearly how ill-constructed the faculty reaction to the problem is. The purpose of making the sort of academic/political decisions it will probably have to face with increasing frequency in the near future. The tedium of the meeting also demonstrated the small depth of concern about this issue among most members of the student body and faculty. Comparatively little noise was raised by the liberal/radical segment of the community, because most felt it to be of little importance, and "a good issue to lose." In adopting the modified CEP proposal, the faculty again denied the efforts of the committee structure, passing instead a crazy quilt motion spliced together from the ideas of several groups which couldn't coordinate their efforts in the month they had to plan prior to the previous faculty meeting. The committee formed will probably produce a report recommending minimal changes which will receive a ho-hum response next winter.

We still favor the initial CEP motion, but we are also inclined to believe that when compared with other problems the ROTC issue is of sufficiently slight importance (assuming that one does not take a stand) to achieve liberalization. (Even if one didn't approve of the war) that it is not worth a major committee effort. It is interesting to note that the initiative on this matter came from within faculty ranks, rather than from the students. The letter, for the most part, seem to be addressing more substantive issues.

Thoughts of an alumnus

To the Editor:

I am not a concerned parent. I am a concerned alumnus of MIT and the privilege of being moderately active in Alumni Affairs.

The Challenge of the American young man I find refreshing and useful to the extent that it is an actualization of the challenges! I do not think that the path of least resistance is that is not the motivation for this letter.

I would like to bring up my basic criticism of the young man's mentality which is that about is passed over to you, your generation, the "Old Boss, the Agreed? And I hope you will be willing to work to make it better. I say this because so many of the older whom you label as synthetic and/or mindless ones within an appearance to you - fine. But you reflect oneself in awhile on history and note a few facts.

I do not think the slums of today are any different than were they 100 years ago. I do not think the Black today is as they were in the early 20th century. I do not think the poor are as poor as they were in the early 20th century. I do not think American - business is as they were in the early 20th century. I do not think labor is as beholden to the establishment as it was 30 years ago.

But I ask you to know that there is a strange 1969. How do we get past the 1960's? The Tech is saying: "the establishment" as it was 30 years ago. I do not think the Black today is as they were in the early 20th century. I do not think the poor are as poor as they were in the early 20th century. I do not think American - business is as they were in the early 20th century. I do not think labor is as beholden to the establishment as it was 30 years ago.

So keep on with your questions, couple them with a willingness to work for reform constructively and do not be sure that all over 20 se are not in a quandary when they are.

But in the larger scheme of things this image of an agency whose primary function is to coerce human behavior rather than educate and persuade. But in the larger scheme of things this image of an agency whose primary function is to coerce human behavior rather than educate and persuade. But in the larger scheme of things this image of an agency whose primary function is to coerce human behavior rather than educate and persuade.

I am proud to think I have contributed a tiny bit.

Anti-CAM

To the Editor:

As engineers with extensive behav-ioral science interests who affirm the potential of computers in behavioral science research, we agree with and applaud Prof. Winkler's letter published in The Tech May 16.

We would add one point. Academic freedom has been cited frequently in arguments for the Cambridge Project. But in the context of MIT's role in the acquisition of the "software base" the context in which academic freedom is exercised is much more limited than the "academic freedom" which is cited in other situations.
An agenda day report: I meet the I-Labs

When I learned that the I-Labs people were coming over to our dorm, I gleefully rushed up to my room to prepare for battle. After a fierce battle, I washed my hair to make it stick out and look even larger. I slipped into my clown frame glasses and bell-bottoms and posed my loudest tie into service as a bow. Finally, I donned my official "Toothy" Indian headband, put on my love beads, and, completely assured of argument by image, went downstairs to confront the ogres from up the road.

I walked into my room, and between One of My Own and an obvious pig, I stepped in with my most self-righteous , flamed, "Don't you think from the ogres?"

I shuffled, "Don't you think that by a hawk in dove's feathers."

I asked how old he was.

"How do you think I am?"

"Twenty-three."

"Twenty-nine."

I felt through the door. And here I thought a glimmer of a chance that we were saved from Draper's De-

"That's too bad," I said.

"Cause I can only trust you one more year."

Though a Jundeediy Angelic and radicalest, they have, days have indeed come on and. And, like March 4, they turned out to be days and not movements.

One really has to admire the wall with which the Institute de-

"Agenda Days"—I really think the Research Society has made a good start, with the motion that we should have something like this from now on.

Scientists in the annual contest are encouraged to build their kites from copies of The Tech. The prizes will be one-year subscriptions.

Institute for the Study of Nonviolence (founded 1965) by Joan Baez and the S.N.C. sponsored an annual event to collect funds for the Institute.

Woolmen Hill, Deerfield, Mass. 01342
June 17-30 and July 17-30
Each group is limited to 50. Inquiries, including housing, will be answered. Food is cooperatively purchased and prepared by the participants.

For details, write:
Ig Road gallery, Cambridge (American Legion)
330 Lafayette Street, New York 10012
For the Westcoast program write to the Institute, P.O. Box 517, Carmel Valley, Calif. 93921

Harvard—IIT Colloquium
on Spanish Civil War Thirty Years Later
Friday, May 23
Professor William Watson, MIT
The Spanish Civil War of Hugh Thomas: a classic historical fraud.
Boylston Hall Auditorium, Harvard Yard, 4 pm
Lillian Hallman, Visiting Professor, MIT
Reflections on that war.
Boylston Hall Auditorium, Harvard Yard, 5 pm

Saturday, May 24
Dr. George Shuster, Asst. to the President of Notre Dame University, and forerunner editor, Commonwealth.
"The Day Commonwealth Stopped Supporting France."
Rev. Donald J. S, S.J.
"The Bantus and Irish Catholic Reaction to the War."
Green Building, MIT, RM 54-100, 10 am

Foreign correspondents and their reports on the Spanish Civil War Lawrence Fernsworth, Correspondent of The Times of London in Spain, and author of Spain's Struggle for Freedom (Beacon Press, 1957).
George Seiles, Correspondent of New York Post in Spain, 1936-37, and author of Tell the Truth and Run (Greenberg, 1953).
Vincent Sheean, Correspondent in Spain, 1936-38.
Green Building, RM 54-100, 2 pm

Letters to The Tech

A. Doctrinal splits (SDS vs SACC)

B. Irrational, emotional tactics C. Irrelevant inaction

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors. Really, now, can we seriously expect the Institute to close the I-Labs because the students are running the show?

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students were ordered to move out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.

The last means that while we radicals have bitched a lot, we have done little. The root cause is that we are a collection of aggressors.

The administration was not so easily stampeded as was the student body. The Secretary general of the I-Labs announced that the I-Labs was out of business. Most of the students were out of the building. The students refused to let go of the SD's literature.
Course X VII thesis shows ABM worst alternative

By Peter Packard

Copyright 1969 by the Board of Directors of The Tech
(Ed.)

PAGE 6 FRIDAY, MAY 23, 1969

Two measures of effectiveness were utilized, one determining the efficiency of each of the four courses in responding to the Soviet first strike. The number of warheads delivered on the Soviet Union outside of Moscow and in the number of warheads delivered on Moscow by the US attack were the criteria chosen. These measures were chosen because the assumption is that the USSR wants as many warheads as it knew there was a high probability for those of the four courses, in comparison with Polaris are:

- OPTIONS SUPER SUCER ABAM
  - Minuteman 75% 3000 0.3
  - Superhardening 75% 3000 0.3
  - ABM 50% 3000 0.9

Results

For SUASM = 0.5, there is no crossover between Polaris and any of the other three options. This means that Polaris boats are unavailable for these submarines, as well as the other, effective options of coping with the assumed Soviet threat to the US deterrent.

The maximum crossover points for each of the three options are

- OPTIONS SUPER SUCER ABAM
  - Minuteman 75% 3000 0.3
  - Superhardening 75% 3000 0.3
  - ABM 50% 3000 0.9

In cases where the Minuteman forces were essentially destroyed, the Polaris fleet was the only component of the US retaliatory force remaining. It alone accounted for the damage inflicted on the Soviet Union. In addition, the Polaris option delivered its best response more frequently than the other options and its worst response fewer times than the other alternatives.

The general conclusion which may be drawn is that the Polaris options deliver better coverage across a wider range of Soviet Union force structures and capabilities than do any of the other options. Succinctly put, ABM makes a lemon Edsel look like a very good buy.

An Anti-Ballistic Missile (ABM) system is the worst possible response to a Soviet first strike against the United States. This is one of the two main conclusions reached in this thesis entitled "Computerized Cost-Effectiveness Study of Assumptions on the Destruction Capabilities of Alternatives." The other main result is that the most efficient way to defend the US against nuclear warfare was to procure an additional 20 Polaris submarines (an increase of 50 over the Polaris (MIRV-carrying) Sea-Launched Ballistic Missiles (SLBMs).)

Scenario

Secretary of Defense Melvin Laird has announced that the Russians have the capacity to attempt a "pincer" attack, and that the US has a high probability of being surprised during such an attack. In addition, a simulation based on Deputy Secretary of Defense Packard's testi-
Grooves

By Jeff Gale

With a rush, a new group has come out of the Chicago area to join Blue Sweater and The Razz to build up the jazz-rock area of San Francisco's blues scene. The name of the group is The Chicago Transit Authority and their new two record set on Columbia shows us all that if they ever get to play it all together, they are sure to be a major influence on the pop scene.

The group is made up of seven highly gifted musicians, including five vocalists. This gives a tremendous amount of versatility to the vocal arranging. Robert Lamm, Terry Kath, and Peter Cetera all do some lead vocal work according to the album notes, although who does what is not identified, the vocals on the album range from tough blues to smooth commercial sounds.

The instrumental arrangements are excellent. James Pankow, the trombonist, did the brass arranging and this is the group's strongest point. Lee Loughnane plays an exciting trumpet but Walter Parazaider's woodwind work is often hard to distinguish, a sound coming from the sax, drums, and Cetera, on bass, provide a very good base for the group's sound. On the keyboards, Lamm shines several times in the album but is not used as much as his musicianship merits. Terry Kath, on the other hand, is a guitarist with an amazing fixation on the fuzz-tone and the overuse of this gimmick mars several of this group's sound. On the keyboards, exciting trumpet but Walter Para-

This question was covered in several groups, with one hand, but there is more important than keeping to one semester and could maximize membership from given live. A closely related issue which was covered in many groups concerned the student's role in the governance of MIT. It was proposed that students might have more say in departmental matters where they have both an interest and competence. For example, students might influence faculty appointments and tenure policies as if they have insight into both departmental and student characteristics; they might influence the curriculum insofar as they develop competence to judge the quality and subjects, especially the required ones.

On a broader scale, it was suggested that one might consider extending this debate to all departmental, school, university, and corporation governing boards.

The TECH, FRIDAY, MAY 23, 1969 PAGE 7

rocks... "Pinball Wizard" heads Who's rock 'n' roll opera

By Steve Grass

Eight nights ago, at the Boston Tea Party toward the end of the show, the band performed their position as the quintessential of what a rock 'n' roll band can do, sometimes letting living groups. Faculty could be assigned to living groups and be expected to have some idea of what they're there to help students to get to know one another. With one hand, there is more important than keeping to one semester and could maximize membership from given live. A closely related issue which was covered in many groups concerned the student's role in the governance of MIT. It was proposed that students might have more say in departmental matters where they have both an interest and competence. For example, students might influence faculty appointments and tenure policies as if they have insight into both departmental and student characteristics; they might influence the curriculum insofar as they develop competence to judge the quality and subjects, especially the required ones.

On a broader scale, it was suggested that one might consider extending this debate to all departmental, school, university, and corporation governing boards.

The TECH, FRIDAY, MAY 23, 1969 PAGE 7

rocks... "Pinball Wizard" heads Who's rock 'n' roll opera

By Steve Grass

Eight nights ago, at the Boston Tea Party toward the end of the show, the band performed their position as the quintessential of what a rock 'n' roll band can do, sometimes letting living groups. Faculty could be assigned to living groups and be expected to have some idea of what they're there to help students to get to know one another. With one hand, there is more important than keeping to one semester and could maximize membership from given live. A closely related issue which was covered in many groups concerned the student's role in the governance of MIT. It was proposed that students might have more say in departmental matters where they have both an interest and competence. For example, students might influence faculty appointments and tenure policies as if they have insight into both departmental and student characteristics; they might influence the curriculum insofar as they develop competence to judge the quality and subjects, especially the required ones.

On a broader scale, it was suggested that one might consider extending this debate to all departmental, school, university, and corporation governing boards.

The TECH, FRIDAY, MAY 23, 1969 PAGE 7

rocks... "Pinball Wizard" heads Who's rock 'n' roll opera

By Steve Grass

Eight nights ago, at the Boston Tea Party toward the end of the show, the band performed their position as the quintessential of what a rock 'n' roll band can do, sometimes letting living groups. Faculty could be assigned to living groups and be expected to have some idea of what they're there to help students to get to know one another. With one hand, there is more important than keeping to one semester and could maximize membership from given live. A closely related issue which was covered in many groups concerned the student's role in the governance of MIT. It was proposed that students might have more say in departmental matters where they have both an interest and competence. For example, students might influence faculty appointments and tenure policies as if they have insight into both departmental and student characteristics; they might influence the curriculum insofar as they develop competence to judge the quality and subjects, especially the required ones.

On a broader scale, it was suggested that one might consider extending this debate to all departmental, school, university, and corporation governing boards.

The TECH, FRIDAY, MAY 23, 1969 PAGE 7

rocks... "Pinball Wizard" heads Who's rock 'n' roll opera

By Steve Grass

Eight nights ago, at the Boston Tea Party toward the end of the show, the band performed their position as the quintessential of what a rock 'n' roll band can do, sometimes letting living groups. Faculty could be assigned to living groups and be expected to have some idea of what they're there to help students to get to know one another. With one hand, there is more important than keeping to one semester and could maximize membership from given live. A closely related issue which was covered in many groups concerned the student's role in the governance of MIT. It was proposed that students might have more say in departmental matters where they have both an interest and competence. For example, students might influence faculty appointments and tenure policies as if they have insight into both departmental and student characteristics; they might influence the curriculum insofar as they develop competence to judge the quality and subjects, especially the required ones.

On a broader scale, it was suggested that one might consider extending this debate to all departmental, school, university, and corporation governing boards.

The TECH, FRIDAY, MAY 23, 1969 PAGE 7

rocks... "Pinball Wizard" heads Who's rock 'n' roll opera

By Steve Grass

Eight nights ago, at the Boston Tea Party toward the end of the show, the band performed their position as the quintessential of what a rock 'n' roll band can do, sometimes letting living groups. Faculty could be assigned to living groups and be expected to have some idea of what they're there to help students to get to know one another. With one hand, there is more important than keeping to one semester and could maximize membership from given live. A closely related issue which was covered in many groups concerned the student's role in the governance of MIT. It was proposed that students might have more say in departmental matters where they have both an interest and competence. For example, students might influence faculty appointments and tenure policies as if they have insight into both departmental and student characteristics; they might influence the curriculum insofar as they develop competence to judge the quality and subjects, especially the required ones.

On a broader scale, it was suggested that one might consider extending this debate to all departmental, school, university, and corporation governing boards.

The TECH, FRIDAY, MAY 23, 1969 PAGE 7

rocks... "Pinball Wizard" heads Who's rock 'n' roll opera

By Steve Grass

Eight nights ago, at the Boston Tea Party toward the end of the show, the band performed their position as the quintessential of what a rock 'n' roll band can do, sometimes letting living groups. Faculty could be assigned to living groups and be expected to have some idea of what they're there to help students to get to know one another. With one hand, there is more important than keeping to one semester and could maximize membership from given live. A closely related issue which was covered in many groups concerned the student's role in the governance of MIT. It was proposed that students might have more say in departmental matters where they have both an interest and competence. For example, students might influence faculty appointments and tenure policies as if they have insight into both departmental and student characteristics; they might influence the curriculum insofar as they develop competence to judge the quality and subjects, especially the required ones.

On a broader scale, it was suggested that one might consider extending this debate to all departmental, school, university, and corporation governing boards.

The TECH, FRIDAY, MAY 23, 1969 PAGE 7

rocks... "Pinball Wizard" heads Who's rock 'n' roll opera

By Steve Grass

Eight nights ago, at the Boston Tea Party toward the end of the show, the band performed their position as the quintessential of what a rock 'n' roll band can do, sometimes letting living groups. Faculty could be assigned to living groups and be expected to have some idea of what they're there to help students to get to know one another. With one hand, there is more important than keeping to one semester and could maximize membership from given live. A closely related issue which was covered in many groups concerned the student's role in the governance of MIT. It was proposed that students might have more say in departmental matters where they have both an interest and competence. For example, students might influence faculty appointments and tenure policies as if they have insight into both departmental and student characteristics; they might influence the curriculum insofar as they develop competence to judge the quality and subjects, especially the required ones.

On a broader scale, it was suggested that one might consider extending this debate to all departmental, school, university, and corporation governing boards.

The TECH, FRIDAY, MAY 23, 1969 PAGE 7
Sailors bid for championship

In the last team event of the sailing season, the MIT Yachtsman team did what it takes to win first place in the 1970 New England Dinghy Championships. Each team was composed of a representative from each of the nation-wide associations in the North American Dinghy Championships. The season-long battle was won by the MIT team, which was also the overall team champion. The MIT team, in fact, took first place in all three events.

By Steve Goldstein

BURTON captures intramural track meet with seven firsts

Burton House captured first prize in the intramural track meet with seven firsts and 55 points out of the 14 events. Theta Chi came in second with 31 points, and Baker finished third with 29.12. There were two double winners in the meet, Joe Richmond won the 100 and 220 while Mike Clark won the 440 and 880.

"The department is convinced that the already fast crew has not reached its full potential and will get faster in the next months," Burton said.

Burton's comments were echoed by the crew's coach, Gary Zelner. "The fastest crew I've ever had the pleasure to coach," Zelner said. "I think we can win the most races and break some records during the Henley Regatta this weekend." Zelner's optimism was shared by other members of the crew, who are looking forward to the regatta and a chance to show off their skills.

Tech blanks NU 7-0, behind DeWitt's two-hit pitching

By Byag Zager

Last Monday night, Northeastern University's Tommy McCarthy was named to the Greater Boston League All Star Team as a pitcher. McCarthy led the Huskies to victory over the Northeastern and Trinity College crews, with his 2.07 ERA and 20 strikeouts in 21 innings. The victory was the first for MIT in the GBL and gave the Huskies a 2-0 lead over the Engineers.

"Johnny Compontz was a good shot and the Huskies managed to gain the upper hand with a 5-0 win," McCarthy said. "I'm proud of my team and I'm looking forward to the upcoming season." McCarthy's performance was the highlight of the season for Northeastern University and their fans.

Freshmen nine best team ever

By Steve Goldstein

Bucking tradition and breaking records, the Tech freshman baseball team has compiled an 11-2 record with one game remaining. The team was not expected to be a serious contender for the conference, but their success has exceeded expectations.

Pitching has also been a strong point for the team, with lefty John McCarthy leading the way at 2.07 ERA. McCarthy's performance was a key factor in the team's early success.

"The team has come a long way since the start of the season," McCarthy said. "We've worked hard and it's paid off. I'm proud of the guys and I'm looking forward to the upcoming season."