Mounting Enrollment Issue
Subject Of Student Debate

What is Higher Education's solution to the problems raised by an anticipated trible wave of applications and enrollments during the next few years? The answer to this problem is being sought at a Conference On Rising Enrollments (CORE) sponsored by MIT and the National Student Association at the Institute at March 31-31.

Dissonance Purpose of College Education

The theme of the conference will be an attempt to define the purpose of education at the college level, to examine the philosophy on which this is based, and to determine how the college can and should go toward accommodating its increasing enrollment demands. It is argued by some that the college should stay true to its original goal of developing the minds of its students only; and in the end possibly degrade prescriptive educational concepts. Others think that they should expand, because the new philosophy can be more inclusive and influential. The conference will be a vehicle to explore these issues and more.

Students Hold More Responsibility

There was initiated last year a trial system for the operation of the financial responsibility of the Undergraduate Association. The system now is run under two boards, the Finance Board and the Finance Committee. The former now functions on a full-time basis, and is expected to remain so. This year, during this period the Finance Board will annually determine the distribution of the funds. The first appropriate year will be decided upon in the spring of this year.

The Finance Committee will be concerned with the execution of the policies of the Finance Board and the administration of the budget. It will also examine the duties, responsibilities, and problems of the various activities, active or passive, occurring in an advisory capacity. Before the charge, the budget problem was resolved annually, on the basis of an evaluation by the Finance Board of operations and the basic activities of the various committees and activities.

The purpose of the new system is to delegate more authority and responsibility to the officers and members of the various committees and activities.

Even though the election of the new officers of the Undergraduate Association is a month away, only one outstanding question has been decided. Since last week when F. Helmut Weymar '58, officially opened the UAP election race, there has been widespread interest and concern as to his abilities and qualifications.

Aimetns To Enter In February

Meanwhile, Arnie Amstutz '58 has indicated his interest in in running for the UAP race early in February. He did not comment on Weymar's candidacy.

In his first announcement, Weymar listed six issues particularly desiring the attention of the Institute's Committee on Cover, A.D.C. (Reorganization of the curriculum, freshmen orientation, housing, race, student handbook, and the problem of the world). One of these topics was mentioned by him in an interview, the topic of the world. The new board has received much investigation; Weymar felt that this topic is the one which needs thorough research, because it would be a better understanding of the topics. The committee was needed to solve this problem, and the action of the board.

The 'New' Philosophy

Concerning the "new" idea of an "independent" administration, which Weymar felt would classify matters, Bob Hecht '58, East Coast editor, commented, "The 'new' philosophy is not a new philosophy, and not a new way of thinking."

A "new" philosophy is to be adopted which would do away with the "old" philosophy which is purely expansionary.

Weymar "Capable"

It is hoped that students attending the conference will carry the conclusions regarding the student role in the college and the college role in the student; and the creation of an "intellectual elite." Students As Teachers?

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The meeting will hear an impressive group of speakers, including Sen- ator Paul Douglas, William Pols, former chairman of the Colleges of Engineering Examination Board, and Robert Hutch- ins, former president of the Uni- versity of Chicago and now head of the Institute. The conference has received a grant of $900 for travel subsidies.

Television Panel

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New The Tech Constitution: Possibility Of Daily Issue

A new The Tech constitution will be presented soon, it was learned early this week. Coming as a result of meetings of Executive Committee of Inscorn and the paper's two-man managing board, the constitution will be read and explained for the first time at the publication's annual banquet Thursday night.

The Tech has not had a major constitution revision in over fourteen years; according to editor John A. Friedman '58, the present constitution is "dated and therefore unsound in the light of present operating conditions, and is radically different from that which now exists; and will be far reaching in its effect.

The refining was done by Editor Friedman and Business Manager Robert Brigham '57 who now publish the paper. The work of the Constitution Committee was as follows:"

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OMlympic Performers

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The Tech

VOL. LXXVI Tuesday, January 15, 1957 No. 53

The

John A. Friedman '57
Robert G. Brigman '59

The

Will F. Dudley '59
Mike Ehrlich

The

F. Allie Ohman '58
Assistant Right

The

NEWS STAFF

Stephen M. Sterba '58
E. Barbara Babbie '58

The

Breaking

Stephanie Brown '58, Darrell Kralove '58, William C. Miller '58, E. Robert '58, Robert E. King '58

The

PHOTO STAFF

George Ossen 1859

The

Ronald Ross '58, William V. Clark '58

The

Feature

Gary Holzer '58

The

Staff

Bobbi A. Mandel '58

The

Business STAFF

Debra B. Marquart '58

The

SPECIAL STAFF

Bruce Pence '60, Ed Chestum '59

The

SPORTS STAFF

F. Thomas Boyd '59

The

STAFF CANDIDATES

Paul Andre '60, Bob Ankrom

The

Staff

Jane Kopp '58, Linda Greiner '58, Linda Rose '58

The

TENNIS

Brian O'Connor '60, Surrenda Paul '59,

The

North

Joy Ferrick '59, Rich Wachsman '60, Steve Wein-

The

Jacket

2 Years ................................ 4.00 5.00

The

Stevenson '60, Dick Thompson '60, Rich Wachsman '60, Steve Wein-

The

MURPHY

Murray Kohlman '58

The

Murray Kohlman '58 ....................................... Asst. Business Manager

The

MURPHY

Ralph E. Manchester '58 ....................................... Asst. Business Manager

The

MURPHY

Jamie Glottman, Barry Rutter, Bill Heess.

The

MURPHY

Govern '59, Fred Epstein '57, Lee Holloway '58, Gilbert Well '56,

The

MURPHY

Staff: Ken Kellerman, R. Broder, Harold Laeger, Marty Zimmerman,

The

MURPHY

Stephen Auerbach '58 ................................................................ Special Services

The

MURPHY

JOHN

Dorsey '58, Abe Feinberg '60, Al Ganaidza '60, Linda Greiner '60,

The

Dorsey '58

Brian O'Connor '60, Surrenda Paul '59,

The

Stephen

JOHN

Dorsey '58, Abe Feinberg '60, Al Ganaidza '60, Linda Greiner '60,

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The

Dorsey '58

Brian O'Connor '60, Surrenda Paul '59,
the college world

Here at Tech we constantly hear complaints about the commons meals until now they are supposed to be a definite problem which the institute seems to be trying to solve by bringing in outside caterers. Some more picturesque complaints were that the kitchen is "filthy and bug infested" while one coed exclaims, "there was a bug in my salad tonight."

The University of Cincinnati newspaper relates to us that "more than 1,200 University of Michigan male students rioted Sunday night (12-2-56) because of what they called the poor quality of the evening meal. The men were all dormitory residents."

"The riot began with shouting and thumping plates and silverware in unison in one quadrangle dining room during the evening meal, which consisted of canted beef, Swiss cheese, vanilla pudding, and milk."

"The disturbance quickly spread from dining hall to dining hall, until dormitory officials cleared food trays, and cleared the areas. Police were called to the scene and were assaulted with snowballs. A group marched to the home of the school's president where they were advised to "take your complaints through the proper channels," by the dean of men."

"Compared to the University of Michigan and the University of Pennsylvania we might not have as bad commons meals at least the infirmary isn't overflowing with cases of food poisoning, and we don't have riots, at least food riots. Granted, our food isn't as good as that at least one dorm at the University of Indiana where they have "steak about once a week and one of the complaints is that there is too much food" but it isn't so bad as some colleges."

"The Institute is trying to improve the meals, but before they do anything drastic they delve into the possibility, perhaps studying other colleges in the area for ideas."

"—Carl Swanson '60"

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**Luckies Taste Better**

Cleaner, fresher, smoother.

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**New Applied Math Division For Brookhaven Nat' Lab**

The formation of an Applied Mathematics Division at Brookhaven National Laboratory was announced recently by Dr. L. J. Jarwo, Director of the Laboratory. Dr. Milton E. Rose has been appointed Head of the Division, and will assume his new duties in early February 1957. Dr. Rose comes from the Laboratory from Washington, where he is a mathematician with the Office of Naval Research. At its main, this new division will operate a high speed digital computer, for solving problems mainly in basic research and engineering developments. The final design characteristics of the computer are being planned jointly by members of the Applied Mathematics Division and the Electronics Division, under the direction of William A. Higinbotham, Head of the latter Division. Construction of the Laboratory has already started on the machine, which is expected to be equal in its operational capacity to the most advanced computers produced commercially. Completion is expected in more than two years. The machine is being designed and built at Brookhaven so that it can best attack the special problems for which it will be used. Those will include such mathematic research problems as are encountered in the design of the 25 billion electron volt electron cyclotron research under construction at Brookhaven—new types of reactors, and in computations in the fields of chemistry, physics, biology and medicine.!

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**Tau Beta Pi Honors 5 Alumni, 2 Women In Annual Ceremony**

In initiations held last month the Massachusetts Beta chapter of Tau Beta Pi, located here at MIT, awarded women's Badges to two people and initiated five alumni members. The alumni of the Institute taken in was Professor Will Y. Forrester, Professor George C. Manning, Rear Admiral M. Morgan, Professor Horton G. Stover. In addition Professor George S. Swope, a graduate of the University of Michigan, was initiated. The two women's Badges were awarded to Mrs. C. Ruby, and Miss Beverly J. Armstrong.

Professor Forrester is a co-founder of the aero-mechanics laboratory at Tech, a former superintendent of the Whitcomb 1 computer development, and founder of the Digital Computers Laboratory, of which he was director until this year. In 1956 he became a division head at Lincoln Laboratory in charge of developing and engineering the SAGE air defense system.

Professor Manning, a graduate of the United States Naval Academy at Annapolis, is now a professor in the Department of Naval Architecture and Marine Engineering. He has served as a professor or instructor at the Naval Academy, King's College, MIT, and Dartmouth University, and has written a number of definitive texts and papers in his field. Admiral Morgan's academic eminence first became noted when he graduated from the Class of 1924 at the Naval Academy. He is now Deputy of the Bureau of Ships for Design and Research, where he is regarded as one of the top authorities on submarines, particularly that associated with nuclear submarines. In addition to his membership in many technical societies and his many technical society memberships, Admiral Morgan has found time to take an active interest in course XII and its students.

Professor Stover is now a Professor of Aeronautical and Astronautical Engineering at MIT and has recently been appointed Associate Dean of the School of Engineering. During the Second World War he did radar and guided Missile field work in London for the Army, and in 1950 he was appointed Chief Scientist of the U. S. Army. Also, he has written many papers on aeronautical and physical subjects.

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**Growing of SAGE**

(Continued on page 8)
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WESTINGHOUSE

INTERVIEWS FOR

ENGINEERS & SCIENTISTS

FEBRUARY 5, 6

In this one diversified company, you can do
the kind of work you prefer... in the field of your choice.
There's plenty of room to move around—and up!

* See your placement officer and
set up an appointment now!

You can be SURE... if it's Westinghouse
Fencers Top Trinity With 17-10 Margin in Season's Opener

The MIT fencing team opened their season with a 17-10 victory over Trinity College of Hartford, in a three-way meet held Saturday. The winners were led by Roy Norris '57, and Larry Campbell '59, both with all three of their contests in open and saber, respectively. Locke, fencing foil, was undefeated as he paced the MIT team.

Individual competition in each weapon also ended with MIT ahead, as they captured 6-3 victories in sabre and foil, and a 4-1 win in the epee. This was the first meet of the year for both teams, MIT's next contest will be with the University of Connecticut on Wednesday, January 15.

The policy also covers our contestants while participating in intercollegiate sports away from MIT, as well as our participants traveling to and from the contests. This includes travel in private cars under the sponsorship of a coach.

Augmenta Student Insurance

The insurance is designed to assist financially any student who suffers from serious injury that the Student Health Insurance and similar plans do not cover the entire cost. For this reason the policy covers only those accidents which cost an individual more than one thousand dollars in medical expenses. The new policy, in conjunction with the Student Health Insurance or a similar plan, should prevent any student from having to discontinue his education due to the financial expenses of athletic injuries.

BELL TELEPHONE LABORATORIES

Research and development in electrical communications, electronics, mathematics, and other science-switching systems for the Bell System and national defense projects.

OPERATING TELEPHONE COMPANIES

Engineering, construction, operation and maintenance of communication facilities. The following companies will be represented on the campus:

New England Telephone and Telegraph Company
New York Telephone Company
The Southern New England Telephone Company
American Telephone and Telegraph Company
Long Line Department

Applicants will be interviewed for other regional operating companies in the United States and Canada.

WESTERN ELECTRIC COMPANY

Manufacturing, packaging, installation and distribution of equipment and supplies for the Bell System and national defense projects.

SANDIA CORPORATION

Research and development in electronics, mechanics, physics, and mathematics in nuclear weapon ordnance.

Please make arrangements for interviews through your Placement Office.

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AA INSURANCE PLAN

Covers All Students

This past September, the MIT Athletic Association's new insurance policy went into effect, it has just been announced. It covers every Institute student who is a participant or spectator at any athletic activity at MIT. This includes not only intercollegiate and intramural contests and practices, but also all other athletic activities providing the injury occurs to a student on the MIT athletic field. The policy also covers our contestants while participating in intercollegiate sports away from MIT, as well as our participants traveling to and from the contests. This includes travel in private cars under the sponsorship of a coach.

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Fashions

"Taris has needlelines on sidewalks, New York style, the wanton shoulder-high, There's nothing like fashion To cool off your passion*

P.S. Male lines in Bermudas shorts can be pretty funny too! Fat or slender, either gender, if you want your pleasures BIG, enjoy the real full flavor, the real satisfaction of a Chesterfield. Package more smoothly by Chesterfield. Acorn-Ray, it's the smoothest cigarette anywhere today!

Smoke for real...smoke Chesterfield

ckerfield

A summary of the final standings in each league:

LEAGUE I

Team | Wins | Losses | Ties
--- | --- | --- | ---
SAE | 6 | 2 | 2
DU | 5 | 3 | 0
AYO | 4 | 4 | 0
NH | 3 | 5 | 0
Phi Delta | 2 | 6 | 0
Gamma Delta | 1 | 7 | 0

LEAGUE II

Team | Wins | Losses | Ties
--- | --- | --- | ---
Theta Chi | 6 | 0 | 0
Phi Delta | 3 | 3 | 0
Phi Kappa Sig | 2 | 5 | 0

LEAGUE III

Team | Wins | Losses | Ties
--- | --- | --- | ---
Beta | 4 | 0 | 0
Sigma Chi | 3 | 2 | 0
Gamma Nu | 2 | 3 | 0

Boston College | 2 | 0 | 0
Phi Delta | 2 | 2 | 0

Final Results to Date:

SAE 16-Phi Kappa Sig 0
Theta Chi 21-Beta 0
SAE 18-Phi Gamma 6

For the intramural basketball championship, the following players must be submitted by the intramural team:

QB-Walt Ackelrund '58, Phi Delta
HB-Chuck Ingraham '58, Phi Gamma Delta
LB-Jim Russell '59, Delta Tau Delta
LB-Red Fowler '57, Delta Tau Delta
LB-Al Dunjack '79, Phi Kappa Sigma
LB-Murray Rollman '59, AEP
QB-Ken Aar 58, Delta Upsilon
Re-Mark Vanhous '58, SAE
FB-Walt Ackelrund '58, Phi Delta
Defense

The intramural football all star teams for 1956:

QB-Deke Ehrman '59, Baker House
RE-Bob Thompson '58, SAE
LB-John Roberts '57, Delta Upsilon
RT-John Roberts '57, Delta Upsilon
FB-Eric Belchore '57, Phi Gamma Delta

The seventeenth annual intramural football season has caused the stoppage of play in these games will be played or not will still be decided though, as both Theta Chi and Phi Gamma have whipped the Theta while losing to SAE. Whether those games will be played or not will be decided next term in the intramural council.

This year's all star team is headed by Pete Holzott '57, SAE's star fullback and is mostly a AA All American Chosen by The Daily Tech and also all other athletic associations. This includes not only intercollegiate and intramural contests and practices, but also all other athletic activities providing the injury occurs to a student on the MIT athletic field. The policy also covers our contestants while participating in intercollegiate sports away from MIT, as well as our participants traveling to and from the contests. This includes travel in private cars under the sponsorship of a coach.

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by Chesterfield

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The Mark XIV anti-aircraft gunsight was a prime factor in the loss of so many aircraft by the Japanese to the lethal fire of the U. S. Navy during World War II. A novel. multi-acting radar-tracking gunsight for use on ships, the Mark XIV was particularly well-known for its effectiveness against torpedoes planes and dive bombers; especially since previous sights had been unable to cope with these aircraft. It was also the sight that was altered by the Air Force Armament Laboratory of the Laboratory for Control of Aircraft gun, bomb, and roast sight. This gunsight, known as the A-CM, was largely responsible for the effectiveness of the flyers against the flyers over the signal during the Korean campaign.

The development of the Mark XIV gunsight with participation of several years was completed by Dr. Charles S. Draper and his associate, Dr. Draper, who is also chairman of the Department of Mechanical Engineering at MIT, in 1948. The Mark XIV is a precision instrument for a minute as he asks a Burroughs representative.

Q: What do you mean I'll start “in the thick of things”? A: I mean you'll start on the work you're trained for; you won't be a man who gets lost in a shuffle.

Q: What kind of work would be open to me at Burroughs? A: Will all my work be in defense? No. We've many defense contracts too. Besides, we're using on ships, the Mark XIV was particularly well-known for its effectiveness against torpedoes planes and dive bombers; especially since previous sights had been unable to cope with these aircraft; it was also the sight that was altered by the Air Force Armament Laboratory of the Laboratory for Control of Aircraft gun, bomb, and roast sight. This gunsight, known as the A-CM, was largely responsible for the effectiveness of the flyers against the flyers over the signal during the Korean campaign.

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The DRESS PARADE

What will the American college student wear this spring? Gather round, you rascals, and light a good tobacco, and possess your souls in sweet content, and listen.

As we know, college fashions have always been casual. This spring, however, they have become absolutely wild. The object is to look madly imprudent, gaily snappish, and devil-take-the-hindmost! For example, girls, try on a pouzet skirt with a daffy jacket. Or matador pants with a bridal veil. Or Bermuda shorts with human hosiery. Be raikhi! Be impromptu! Be devil-take-the-hindmost!

And, men, you be the same. Try on a sports cap with sweat pants, or a letter-sweater with a strait-jacket with hip boots. Be bold! Be daring! Be a tourist attraction!

But all is not innovation in college fashions this spring. In fact, one of the highlights of the season turned backward in its flight. I refer to the comeback of the proverbial wig.

This charming adornment, too long neglected, has already caught on with style-conscious students all over the campus. On the campus of every college in Americand is giving way to the minuet, and patriotic undergraduates will take to the streets with more than 12 seconds remaining in the stanza.

But I digress. We were smoking a Philip Morris cigarette, and possess your souls in sweet content, and listen. What's a civil engineer's job in the telephone company?

Chaine Hawks graduated in 1933 from the University of Washington with a B.S. in Civil Engineering. Today he's with the Pacific Telephone and Telegraph Company.

"I supervise construction at every step," Chaine says. "Every telephone pole is pulled and everybody has to sign his name, including the contractor. Then, after it's up, everybody has to sign his name again.

"I've got a career that offers big assignments and responsibilities, and real opportunities to get ahead. And it's growing rapidly, that's what I'm looking for."
I rooms. In preparation for defense of its championship, Townsend with 20, and Hendrix with 14 led the Grads to the win which means that Baker House will be League Champion next year. Theta Chi A whipped Westgate 64-45 in a playoff for the League III title with Al Baker hitting for 12. In League VII, Hank Holbe '58 threw in two free throws with 9 seconds to go to give Lambda Chi Alpha a 48-47 win over the Deltas and a league championship. The Deltas must now play Student House to decide the second representative from the league as Student House topped Theta Delta Chi 48-40 with Yearley throwing in 20 for the winners. Phi Gam eked out a 47-34 win in League V play over Aero Dept. to send the Fijis into the playoffs with DE. East Campus rolled to another win in League VI play as Courtesy threw in 24 in a 59-46 win over Sigma Nu. In other games, Phi Kappa Sigma, led by Weld's 13 points, rerouted Burton House 58-31. The final action of the week saw Walter Student Stuff topple Theta Chi B by a 78-32 margin. The playoffs will begin right after the mid term vacation with 14 teams competing for the championship.

INSTRUMENTATION LAB (Continued from page 4) of study offered by the Institute. The work is first converted, with the studio. But the security classified weapons systems courses of the graduate school of the Department of Aeronautical Engineering. From here it flows its way into many of the undergraduate courses. Fourth year courses as it is declassified. Without the continuing development of the military forces and the unending expansion of the aerospace industry, the MIT Instrumentation Laboratory fulfills a vital need for original research and development. It also fulfills a vital need of the Institute in providing the integration of research into the various courses of study as well as providing the opportunity for students to learn to cope with the difficult but realistic problems of an engineer.

BROOKHAVEN (Continued from page 3) means of 15,000 "words". As in other computers, a "word" is a number used in a calculation. The Brookhaven computer can perform 10,000 additions or 5,000 multiplications per second. The machine itself is being built in the form of a U, about 15 feet long by 8 feet wide. It will be located in a room about 40 feet square, with power supplies and cooling equipment installed in adjacent rooms.

For young men who have ability and are anxious to assume responsibilities, a career with Kaiser Aluminum & Chemical Corporation offers an unusual opportunity. Kaiser Aluminum is a young but stable corporation, among the nation's largest producers of primary aluminum, with 23 plants and facilities in operation or under construction. Since entering the aluminum business 10 years ago, Kaiser Aluminum has continually expanded its facilities for making primary metal as well as fabricated products. Yet, to keep pace with the unlimited future markets for aluminum, more expansion will be necessary. This will require not only more physical plants but more people who can step into management positions.

As a result, we are looking for exceptional young men who want unlimited opportunities for advancement and self-improvement. For as we expand, ambitious young men of ability at Kaiser Aluminum will rapidly advance to responsible positions in management, planning, production supervision, technical and sales supervision.

But our rapid expansion is only one of the reasons why your opportunities are great at Kaiser Aluminum. The complete story is told in the 32-page booklet, "Your Opportunity with Kaiser Aluminum." Get your copy at your college placement office now.

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