

The Tech

OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXVII NO. 6

CAMBRIDGE, MASSACHUSETTS, FRIDAY, MARCH 1, 1957

5 CENTS

Religious Group Active In Dorms



Mr. Weylon Moore, shown here, and a group of Boston businessmen, part of an international evangelical group called "The Navigators", have been conducting religious counseling and Bible study sessions in the dormitories since last March.

The Navigators, an incorporated organization, was formed during World War II as a religious counseling service for members of the Armed Forces. Since 1951 it has been connected with the Billy Graham team, but offers religious advice solely on a person-to-person basis. Mr. Moore has counseled at many universities of the Southwest.

Roberts Exits As Inscomm Debates Rewritten Activities Council By-Law

Approval of the revised Activities Council By-Laws was temporarily withheld by Institute Committee following heated discussion on the proposed changes. Ed Roberts '57, Chairman of Activities Council, walked out of the Wednesday night meeting after several hours of debate. Before leaving he said he "contested the spirit of the group" in going over the By-Laws completely, and in questioning many parts of them.

The lengthy discussion began in response to a motion by Roberts to approve the Activities Council By-Laws. The first revision dealt with Council membership. Formerly composed of representatives of all class A activities and of five groups of B activities, the new Council would be made up of the heads of all Class A activities and of five Class B activities, the latter membership being rotated among activities of this class.

The new setup makes Activities Council function in IFC fashion. Meetings will consist of informal discussions by the activity heads. The administrative functions which this body held in the past will be placed elsewhere. This change met with Inscomm approval.

The first major challenge came in Article Four, which changed Activities Council representation on Inscomm from one to three. This revision was voted down.

Contacted later, Roberts said "I thought the best thing I could do was boycott the meeting as an Activities Council Representative. I could see no object in staying with all the dickering that was going on. The most respectable thing for all concerned, I thought, was to walk out and leave the thing in the hands of a new Inscomm."

It was during the discussion of Article Six that Roberts left; at the time several changes were being discussed. He said, "The one thing we came to accomplish was defeated; we should let the thing go to a new Inscomm." The latter statement referred to the fact that the new Institute Committee will take over in several weeks. However, other members disagreed, arguing that there was no reason to waste the time already spent, and that such action would be a waste of a year's experience. It was at this point that Roberts left the meeting.

Outside Litchfield, Roberts explained that he thought the Constitution had been approved long ago, and that only the revised parts should be discussed, not the complete document.

Another change suggested by several Inscomm members dealt with the method of classifying class A activities. At the present time there are thirteen Class A activities, ranging from the Debating Society to the Athletic Association. There are no specific membership or budget requirements which an activity must meet to be in this classification. Harry Flagg '57 felt that concrete standards for the classifications be set down. This part was referred back to the

Council with these suggestions included.

Finally Inscomm voted unanimously to send the proposed By-Laws back to Activities Council with a list of suggested changes.

Statement of the Executive Committee 9 p.m., Sunday.

The Institute Committee spent several hours discussing the By-Laws of the Activities Council. Several parts of the By-Laws involved major changes in the existing By-Laws.

At the conclusion of the discussion it was unanimously decided by Institute Committee to refer the By-Laws back to the Activities Council for correction. A list of suggested deletions, revisions and amendments will be enclosed with the By-Laws when it is returned to Activities Council.

Parking Consultant Contracted By MIT; Survey To Be Started In Mid-March

Action is being taken to alleviate the parking problem at Tech. The Institute recently contracted the Parking Development Company of Boston to survey the present situation and to make recommendations for its improvement.

Mr. William Fitzgerald, president of the firm, explained that, although no definite plans have been formulated, their study would include the following objectives: Review and tabulation of present and projected requirements for parking by both area and types of users; Review of present and proposed future facilities as related to these requirements; recommendations and suggestions to both short and long-range types of facilities, utilization operations, and cost factors including parking charges; and information relative to technical parking questions such as operation techniques and costs, relative costs and advantages of various parking structures, etc.

The recommendations usually require that cars be parked bumper-to-bumper in rows; therefore, "live" or attendant parking will be needed. Through such a system, which will require that the students pay for their permits, almost all of the cars will be accommodated. The

charge will be quite small, probably including only the attendants' wages. The survey will be started about the middle of March, but the actual report will not be ready for several months. If and when installation is completed, six months will probably be required before maximum efficiency is reached.

Mass. General and Harvard Parking Plans

The firm planned the extensive parking facilities of the MTA, and has done work for several hospitals and schools in the Boston area. The plans for Mass. General Hospital and Harvard University provide a forecast of the probable recommendations for MIT.

For years the parking facilities at the hospital were limited to doctors only. Since the new installation was made, the turnover has been increased by almost 250 per cent. Changes were made in the traffic patterns, and live parking was utilized. Spaces have been made available for visitors and patients; permits have been issued to the doctors, and passes are given to the visitors.

Although the report has been completed for Harvard, no changes have been made as yet. It has been recommended that spaces be assigned on certain streets, that unnecessary buildings be demolished to provide parking lots, that present facilities be expanded, and that a bus system be instituted. The cost has been estimated at \$150,000.

Parking Big Campaign Issue Here

Both candidates for UAP this year used points which were included in the Harvard report as parts of their platforms. Amstutz had suggested the shuttle service for school personnel, while Weymar had asked for direct collaboration with Harvard and their plans.

Installation will not be available for at least one year; in the meantime the MIT community can only hope for the cooperation of the Cambridge Police Department.

Senior Election Contested; Other Results Approved

Institute Committee has announced the results of last Tuesday's election with the exception of a contested election for Secretary-Treasurer of '57. In this election the Election Committee omitted Martin R. Forsberg's name from the ballot. A new election has been scheduled for March 12. The secretariat is sending all members of the Class of '57 a letter informing them of the place of this election.

After the polls closed at 5:00 p.m., it was tabulated by the Election Committee that voting was light, with the seniors being the least represented at the polls. The Class of '60 had the largest voter representation with the Class of '59 being a close second.

Seniors Elect Salzahauer

With only 22% of the class voting, Henry Salzahauer was elected president of the Class of 1957. Jim Rowan who trailed Salzahauer by only nine votes was elected class vice-president. The class will be represented by an executive committee whose members are: Fitz Rawls, Robert Heitman, Virgil Brown, Thomas Thomas, Mel Snyder, and Erwin Stackley. The Seniors trailed all other classes with only 199 students voting.

Irwin Leads '58

John Irwin was reelected President of his class with his only opponent, Larry Andrews, receiving the vice-presidential office. Emil Wright in a tight election edged out Tom Bond by six votes to become class secretary-treasurer in the closest election of all the contests.

The Inscomm Representative position went to James Benenson. Only 25% of the junior class voted which placed them a little above the seniors in election day precipitation.

With over 45% of the class voting, this year's sophomores elected Richard Sampson president. Denis Lytle was reelected vice president of the class of '59. The middle man in both elections was John Stephenson who came in second in both the presidential and vice-presidential count. Dave Paeker handily won the Secy-Treas. position by the widest margin of any of the contests. Larry Spiro received the Inscomm Representative post.

Lienhard Reelected by Class of '60

Robert Lienhard who was first elected President of the Class of '60 by the Freshman Council in the fall of this year was reelected. Alan Shaleck was also reelected by the entire class. Don Weaver was elected Secretary-Treasurer. The Inscomm Representative post went to Carl Swanson. The Class of '60 had a large percentage turn out in comparison with the other class; it was 45%.

In other elections, the fraternities elected for their representatives to Institute Committee two members of the Class of '59, Thomas Noe and Lawrence Bishoff. It was a close race with the top four candidates separating each other by only forty votes out of the 523 cast.

Commuter Association officials were also voted upon by 123 commuters. Elected were: Thomas Cook, President, Mel Snyder, Vice-President, Warren Heimbach as Treasurer, and Joseph G. Walsh as Inscomm Representative. The Commuter representatives are Stephano S. Hadjizannis and Roy R. Scarpato for the class of '58 and Bernard Kramer and Sheldon Razin for the class of '59. The representatives for the class of '60 has not been determined.

ERRATUM

Contrary to the statement in The Tech, February 26, the Baker House Committee did not conduct a survey on commons meals and no general satisfaction with the quality of commons meals was expressed.

Increase Dorm Rent; Phone, Linen Service, Conner Hall All Cut

Less than a year after the release of the Ryer Committee Report on Student Housing, the Institute today announced sweeping changes in the operation of all dormitories. Included in the changes, which in general follow the recommendations of the Ryer Report, are an average rent increase of 11 percent, a raise in the fee for Commons Meals to \$212.50 per term, and the abolition of Conner Hall, the co-operative section of Burton House.

In addition, operational costs will be lowered through the abolition of three present services—room cleaning (to be limited to once a week), linen and blanket supply, and night time telephone and desk service in all houses except East Campus. Bed linen and blankets are now to be supplied by the student, although they will be available for rental from the Institute, at an approximate rate of \$12.50 per term. Dorm telephone service in Burton, Baker, and Graduate Houses will be limited to between 8 a.m. and midnight on weekdays, and from noon to midnight on weekends. East Campus, due to the nature of its fire alarm system, will remain on a 24 hour basis.

The main reason behind these
(Continued on page 6)

Icebreaking Shell Squads On River



The MIT lightweight crew enthusiastically carries their oars to the shell, preparing for one of the first practices of the season on the Charles. The melting of the ice on the river has climaxed the activity inside the Tech Boat House and all crews are anxious to feel the pull of the oar in the evening waters of the Charles.

The Tech the college world

VOL. LXXVII Friday, March 1, 1957 No. 6

Entered as second class matter at the post office at Boston, Massachusetts. Published every Tuesday and Friday during the college year, except during college vacations, by THE TECH, Walker Memorial, Cambridge 39, Mass. Telephone TRowbridge 6-5855-6 or UNIVERSITY 4-6900, Ext. 2731.

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Letters to the Editorial Chairman will not be printed unless they are signed. Names will be withheld upon request.

editorial

The following is an article from the Baker Letter and it is felt that there is sufficient interest to warrant its printing.

This issue of the Baker Letter is an elections issue. However, it is not to remind you to get out of your beds, rooms, trances, etc. and vote. No, we are going to encourage apathy as a general attitude for all prospective voters. We believe apathy is the only solution to the many problems that appear at election time, because student government is a basically pathetic organization, and we can't spare the time for sympathy. We don't say that student government should be done away with entirely. Student government should be looked upon from a new viewpoint: as a reservation, so to speak, at MIT for those of us who feel the necessity to "play government." It looks good on the record too.

The men you think of voting for promise many things, but what can they really do? The people you elected last year promised just as much, if not more, and what positive accomplishments can they show? Ask yourself this: is student government keeping the Institute on its toes, or is it just keeping the students in check and trying to pacify them? Student government is not a real government. It gets things done only when the Institute wants them done, not before. The Institute, on the other hand, gets things done when it wants them done. Whether or not student government wants it is considered irrelevant. Was family style meals recommended by House Committee or by the Institute's Ryer Committee? Does WTBS get its FM station when the students say yes or when the Institute says yes? The big changes come with or without student government, it's the little problems of the living groups with which student government should concern itself, but it doesn't.

It is ridiculous for us to vote on issues which are beyond the power of any candidate to correct. Why waste our time and energy voting for idealistic candidates when it is reality that we are concerned with? Realizing the situation, we recommend apathy as the approach to the problem of choosing a candidate and voting. One government is as good as another when the best we can hope for is to have the situation remain the same, or perhaps get a little worse. Student government is like an energy sink; taking in hundreds of man-hours, and producing nothing but useless words. Why all this waste? Let those whose personalities demand the outlet of government realize its limitations, and accept the fact that their only purpose is to smooth out differences within the living groups by using common sense, and not always the book. Anyone can read the book. When the big problems arise, the groups will make themselves heard. Well along the path to apathy is the man who signs any petition shoved under his nose. Let the time wasted on signing nomination petitions be spent signing petitions to the Institute.

Only through our apathy can student government be made to realize its true position, and free our time for more important things.

Please don't think that we are trying, by a sort of "soft sell" method, to get you steamed up and anxious to vote. That is just opposite to the intention of this editorial.

Milton Lilie '57
Joe Rosenshein '57
Steve Lorch '59

Do communications at MIT have to be poor? Is it necessary for a person to search for information? Nowhere can we find a single source for information. Where can we find a list of the libraries and their contents along with the parking regulations. Now if we wish to find something out we have to trace out all possible sources of information and finally after spending time and energy we discover what we want to know. Sure all the information is available but where do we go to find it and just what is available. Is a list of all the sophomores and their home address available to any student and where do we get this list? Supposedly this list is available but where do we get the information? What procedure has to be gone through to put posters on bulletin boards, or stuff the mailboxes in the dorms? Where can I get my picture taken? All this can be found out but many people and many places have to be sought out to get the answers to these questions. Why can't the Institute publish a book of information giving the answers to these and many other questions?

We arrive at MIT for the first time to be greeted by a large, cold, grey building. We know nothing about the Institute. We look about and see that ignorance of the multifarious activities and facets of the MIT community is the norm. We can learn little or nothing about the Institute so it remains a large, cold, grey building. We trudge to class in the morning and leave at night glad to return to our friends and home. How can we identify ourselves with something which we know nothing about? Yet MIT contains a multitude of activities and has many facets some of which will interest anyone. But how can we discover these facets? There is no comprehensive source of information.

The Social Beaver partially fulfills this need, but it concerns itself mostly with a description of the official activities and girls' schools. The question is, how do I get on these activities? The Beaver still omits a wealth of opportunities at Tech. For example, where does one learn that he can use some of the equipment in the E.E. lab or borrow telescopes? What the Institute should publish is a comprehensive booklet describing the multitudinous opportunities and facets of the MIT community, similar to a bulletin published by the University of Missouri entitled "Your Desk Book of Information." This book gives all the rules pertaining to students, lists all the activities, describes the services available, presents the academic regulations, etc. One comprehensive volume presents most of the facts pertinent to the students. While information now is available about the life at Tech, most of it either has to be sought or it creeps from student to student. MIT definitely needs a handbook describing and listing the activities, rules, procedures, opportunities, services, etc. available at the Institute.

—Carl Swanson '60

the kibitzer

S—K 8 7 5
H—A 9 2
D—Q 7 5
C—A 10 3
N
W E
S
S—A 4
H—K 10 3
D—A K 6 3
C—K Q J 4

Bidding: N E S W
1S Pass 1D Pass
6NT Pass 3NT Pass

Opening lead: Queen of Spades.

West led the queen of spades, and South could count twelve tricks if the diamonds split three-three. However, declarer can give himself a better chance for making the contract by preparing a squeeze rather than depending on the split. In order to work on a squeeze, declarer must give up his loser early.

Declarer proceeds to lose the opening trick to West, who then leads the jack of spades. Declarer wins, leads a club to the ace, cashes the king of spades discarding a heart, and runs the rest of the clubs, discarding a diamond from the dummy. He then leads two rounds of diamonds. When declarer leads a third round of diamonds West, who can not afford to give up his last spade, discards a heart. This allows declarer to make three heart tricks, since East was forced to discard hearts to protect his diamonds. If West had discarded the ten of spades dummy's eight would have provided the twelfth trick needed to fulfill the small slam.

Hands similar to this one are not as infrequent as the reader may believe. Often the declarer can count on eleven tricks, and his way to obtain the extra trick is to give up a loser early in the game, which allows him to squeeze the opponents.

—Gilbert Weil '57

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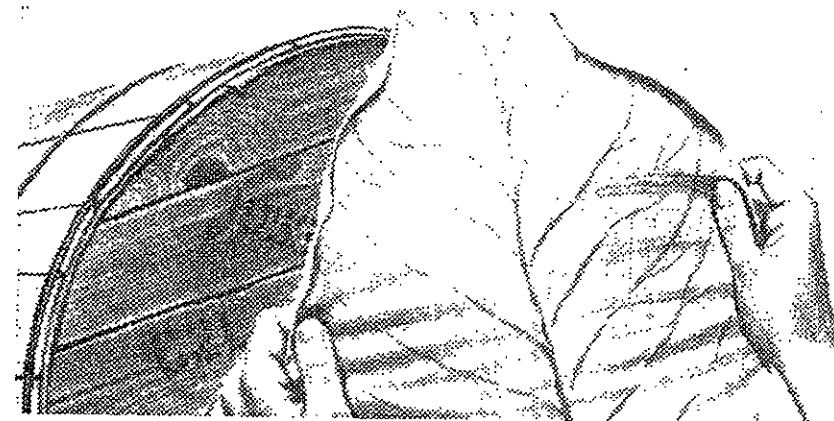


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Center Offers Economic Aid Proposal To Senate Committee

To Curb Communist Aggression

International Studies Group Suggests Increased Aid

A United States committee published yesterday a study on the objectives of foreign aid, prepared by the MIT Center for International Studies.

The central proposition of the report is that the US to combat Communism, must center its foreign policy around aid for economic development. Professor Walter W. Rostow of the Center, states, "We have a fighting chance that the Communist threat to world peace will end in a decade. This depends a lot on what we do.... We block their expansion in a military and political sense, they may give up and settle down once this generation of leadership is gone. This foreign aid program would be a major and necessary part of US action." The report states, "American interest requires a program of economic development aid to foster self-sustaining growth in the underdeveloped countries. Such a program.....is our best hope for promoting the evolution of mature democratic societies whose fundamental interests will be compatible with our own."

This study is one of 11 being prepared by various sources for the Senate Committee to Study Foreign Aid. Preparation of this report was directed by Dr. Max Millikan, director of the Center, and Professor Rostow who collaborated earlier in a similar study which resulted in a book widely read in government circles—"A Proposal: Key to a Effective Foreign Policy."

Senator Theodore Green, Chairman of the Special Committee to Re-examine the US Foreign Aid Program, outlines the purpose of the study in the preface to the MIT report.

"There is serious cause for concern when foreign aid programs of the size and impact of the annual mutual security act do not command the support of more than two-thirds of the Senate.....this opposition must be revised either by clarifying the relationship between the programs and the national interest or by changing the programs so that they may more clearly serve the national interest."

Professor Rostow points out, "Present policies are for military aid . . . there is not yet a policy designed to accelerate economic growth." This type program would turn rising nationalistic fervor to domestic tasks, making the undeveloped countries less receptive to Communism."

For success the program must not



Professor Millikan, the man behind the Center for International Studies

be just a give-away, but must "induce the people to take their own steps to modernize their societies."

The program would be internationally administrated, with the US as a chief contributor. Any undeveloped country would have access to all the capital that it could use to valuable effect on its economy. This aid would continue until its economy reached a self-sustaining level. Additional drain on US foreign aid funds would be an estimated two billion dollars per year. The rest of the world would furnish .5 to 1.5 billion more.

If all went well, average per capita

income would be boosted one to two per cent per year in underdeveloped areas. This would double the standard of living in two generations.

COSTUME DANCE

Club Latino of MIT announces a great costumes dance to be held at Baker House Dining Hall on Friday, March 1st. First prize for the best costume will be a bottle of champagne.

Tickets and reservations are on sale at Building 10.

CIS Probes Into Four Major Fields

The economics aid proposal is just one of a multitude of projects conducted by the Center for International Studies since its founding in 1951.

CIS research is grouped in four major fields—International communications, Economics and Political Development, US-communist bloc relationships, and the relationship between American society and its world setting.

This research is part of a trend in MIT to satisfy a responsibility as a "Center of Learning" in the natural sciences and engineering by devoting more attention to the social, political, and economic aspects of technological change.

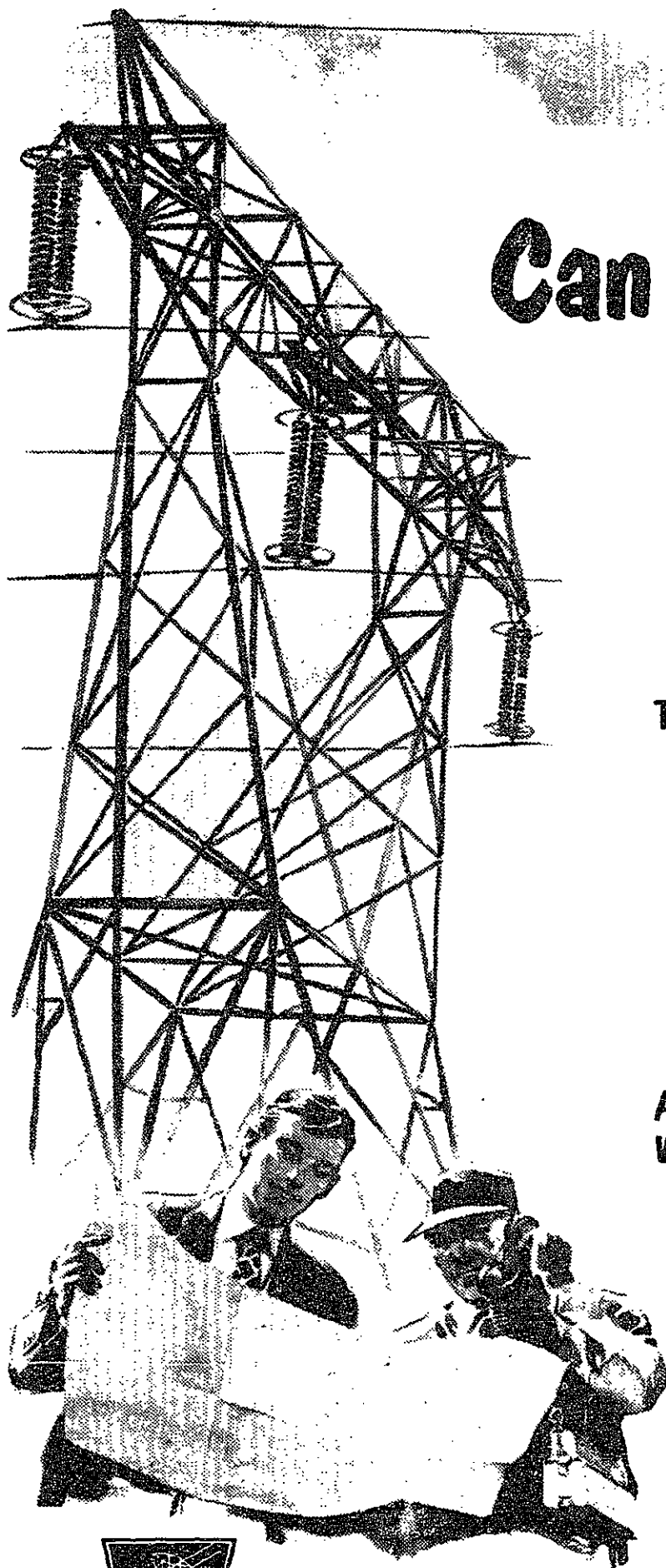
Several projects have drawn wide attention lately:

- How the image of an audience affects "the nature and direction" of a writer's production.
- Economic growth in India, Indonesia, and Italy.

The quality of Soviet higher education in science and technology.

In the future says Donald Blackmer, assistant to Dr. Max Millikan who is director of the Center, "we want to get into some research in Africa on social, political and economic development. Also, we want to get back into the whole Soviet Union field; there hasn't been much study lately of the

(Continued on page 10)



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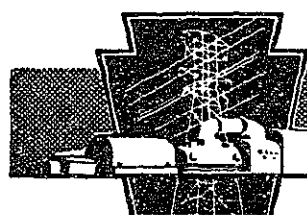
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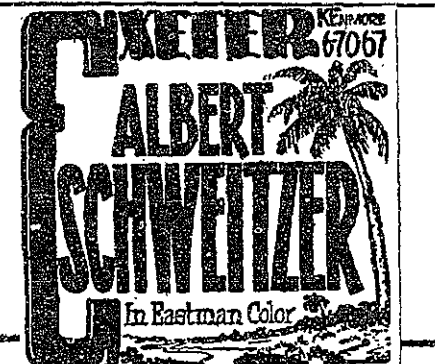
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Men in the know know true from false



It costs more than \$5,000 to send the average student through college

☐ TRUE ☐ FALSE

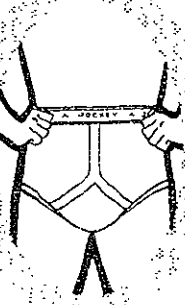
True. Schools and individual instances vary, of course, but the national average cost is estimated at nearly \$6,000.



Most college men belong to fraternities

☐ TRUE ☐ FALSE

False. Many schools don't permit fraternities, and at major state universities, there are always more independents than fraternity men. Fraternities are, however, at an all-time high in membership.



Jockey brand is America's best known brand of men's underwear

☐ TRUE ☐ FALSE

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8. First radio-controlled pilotless jet
9. First electronic automatic pilot
10. Sparrow air to air guided missile

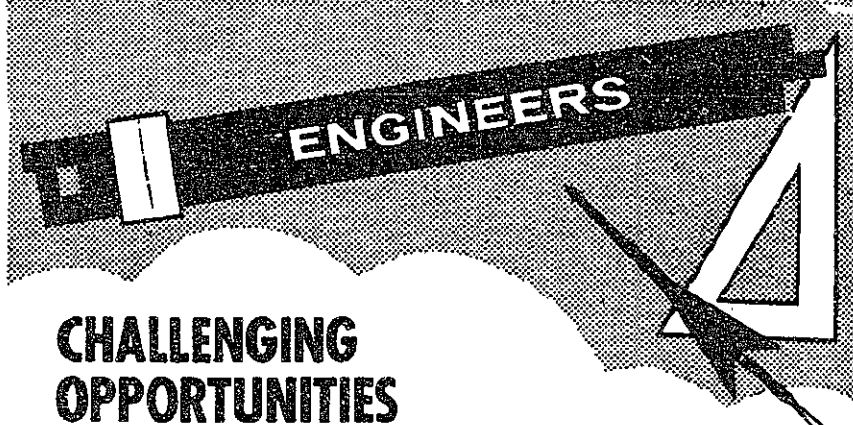


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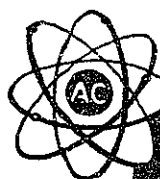
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Patients At The Sancta Maria Hospital Frequently Include Red Sox Players

by Jon Wigert

Few, if any, students are not familiar with the location of the Sancta Maria Hospital next to Baker House, and many are the Techmen that have been asked directions to the hospital. But only a small number among us are really acquainted with the drama of life and death enacted there daily, as well as the many other interesting facts of this small community forming an island within our own.

My curiosity was pretty high as I entered the Hospital through the entrance on Memorial Drive. As a dorm man, the cleanliness of the hospital made the biggest impression on me. But the atmosphere was by no means cold; the chapel on the left seemed to offset any tendency of this sort. Sister Mary Dionisia, in the familiar blue and white dress of the Sisters of Charity, and Sister Theresa, in charge of records, could not have been more

friendly and were glad to answer any questions that I might have. They explained that the hospital moved to its present site in 1948; before that it was situated across the river in Boston. The Archbishop, they said, was the honorary president of the hospital.

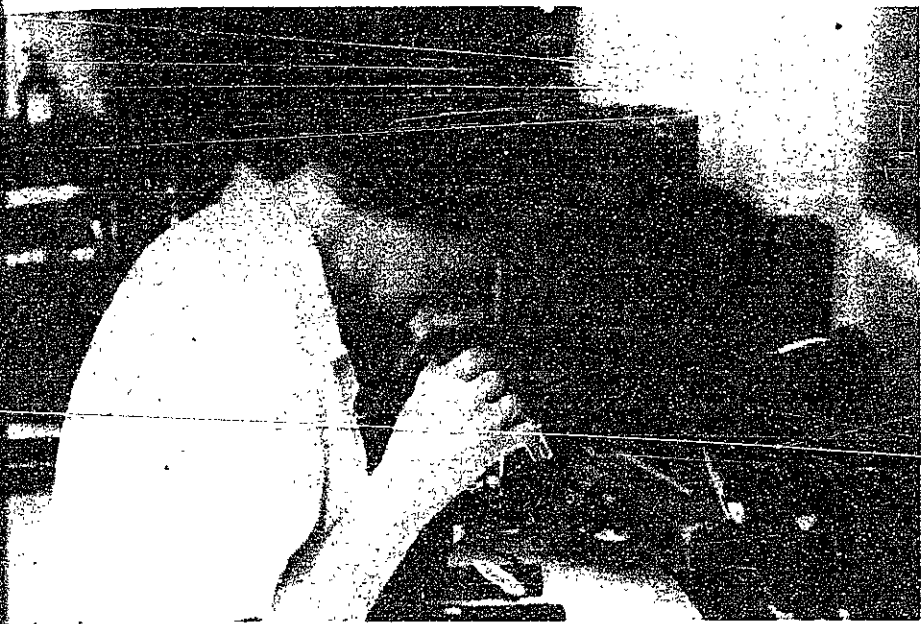
I learned that there are ten sisters in all at the hospital occupying such positions as dietitian, supervision of lab-work and records, etc. In all about one hundred persons, some of whom are wives of people connected with MIT, are employed during the three shifts. The staff includes about 150 doctors.

Because Sancta Maria is concerned mainly with surgical medicine, the Sisters explained, there may be as many as eight or nine operations performed in one day at the hospital. The average being about 150 a month. Probably those MIT students who are best acquainted with Sancta Maria are those that have been there as patients themselves. As has been the case several times, students suffering from acute appendicitis have been operated on at the hospital.

But these are far from the most famous personages that have been under treatment at Sancta Maria Hospital. Just last week, former Massachusetts Governor, Paul Dever, was a patient there.



The peaceful beauty of the hospital chapel in which many have stopped to give thanks for the work done at this busy little hospital.



Research, too, plays an important part in the hospital. Over 150 operations are performed within its walls every month.

I was surprised to learn that during the baseball season there is always a room ready for any of the baseball players over in Fenway Park who might be injured. This is in addition to their regular emergency facilities. Whenever any of the players are injured they are taken immediately to Sancta Maria Hospital. The list of Red Sox that have been patients there includes most of the lineup. Such names as Ted Williams, Faye Thronberry, George Susce, Mel Parnell, Lou Boudreau, and Jimmy Piersall were very familiar to the Sisters. Famous visitors are also frequent. A few of the most recent included Patti Page, Dorothy Lamour, and Gene Autry. Regularly there are about 66 patients in the hospital, and there have been over thirteen thousand patients at the hospital since it moved to its present location, Sister Theresa informed me.

It used to be, I was told, that many MIT students used the chapel in the hospital, until the present chapel on campus was built. I heard only praise for these students. "The piety of some was edifying," one Sister said. I asked if some of the goings on didn't ever disturb them. "No," she said, "it always seems pretty quiet, and the students have always been very nice to us."

PATENT LAW

Seniors and others interested in a career in Patent Law are invited to talk with Ernest A. Faller, Jr., Primary examiner of the U. S. Patent Office on Thursday, March 7. Study law at George Washington or Georgetown while working as an examiner at excellent salary. To make an appointment call at room 1-173.

Walter Paulson asks:

Does Du Pont have summer jobs for students?



Bob Carter answers:

Robert G. Carter received his M.S. in industrial engineering from Ohio State in 1951 and joined Du Pont soon afterward. After varied plant experience, he recently undertook an interesting new assignment in the Polychemicals Department at Du Pont's Sabine River Works, Orange, Texas. The major function of his current work is to coordinate cost information as an aid in maintaining cost control.

You bet we do, Walt! They're part of a regular Technical Training Program which Du Pont has had for years.

Ordinarily we try to assign summer employees to work which ties in with their fields of training in college and with their long-range interests. Informal or formal instruction on Company matters is usually provided.

We're definitely in favor of these summer contacts, for they provide students with practical technical experience and make them more valuable to industry when they graduate. And it gives us a chance to become better acquainted, too, with some of the men we'll be considering for permanent employment, later. It's a program of mutual benefit.



Walter A. Paulson, honor student at Pratt Institute, Brooklyn, and member of the honorary engineering fraternity, Tau Beta Pi, expects to receive his B.S. in Chemical Engineering in June 1957. He is interested in the professional advantages that a student may derive from technical experience obtained during summer work.

In addition to the Formal Technical Training Program, we frequently have a number of vacation replacement jobs and other temporary positions which are available to college students.

Last summer we hired a total of 720 students from 171 different colleges and universities. Most of these were juniors, or were graduate students about one year away from permanent employment.

You can see our program is a fairly substantial one, Walt.

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Troost To Sao Paulo; Will Initiate Course At Brazil University

Professor Laurens Troost, head of the Department of Naval Architecture and Marine Engineering, left Boston February 21 for Brazil where he will help institute a course in naval construction at the University of Sao Paulo. The Sao Paulo program, which is being established with the cooperation of the Brazilian navy, will be the first of its kind in the South American country.

Professor Troost is expected to be succeeded next June at Sao Paulo by George C. Manning, also a professor of naval architecture here, who plans to spend two years helping to develop the new naval construction program at the Brazilian university.

The Sao Paulo course will be open to both civilian and naval students and will be patterned after the one at MIT. It is expected that Sao Paulo will eventually become the chief training center for constructors for the Brazilian navy, which currently sends a small group of officers to MIT each year for three years of graduate study in Cambridge.

DORM RENT

(Continued from page 1)

changes is the fact that the dormitory system has been operating in the red for the past few years, with expenses being met by funds delegated for other MIT activities. In order to reallocate these funds and eliminate what amounted to an actual subsidy to dorm residents, these new rates and policies will go into force at the start of school next fall. Some additional aid to help cover the increases will be available from the Office of Student Aid, and students who have jobs eliminated will have other employment made available to them.

LECTURE

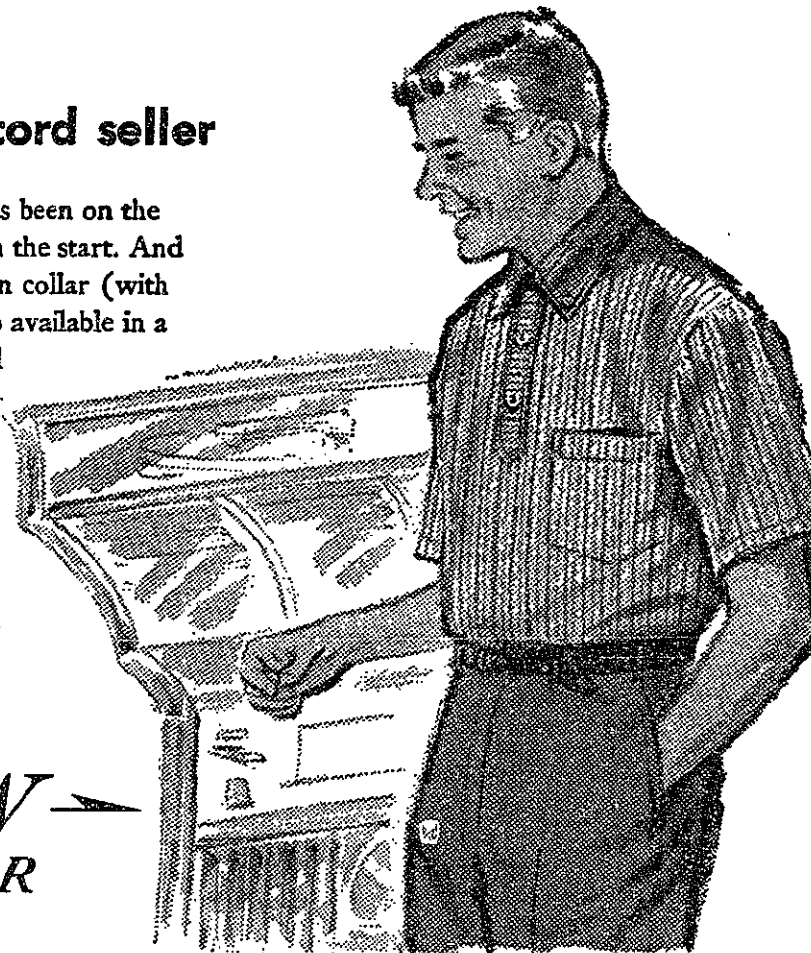
The Departments of Meteorology and of Geology and Geophysics announce a lecture entitled "The Temperature of the Earth's Atmosphere" by Dr. Richard M. Goody of Imperial College of Science and Technology, University of London, on Monday, March 4, 1957 at 4:00 p.m. in Room 4-231.

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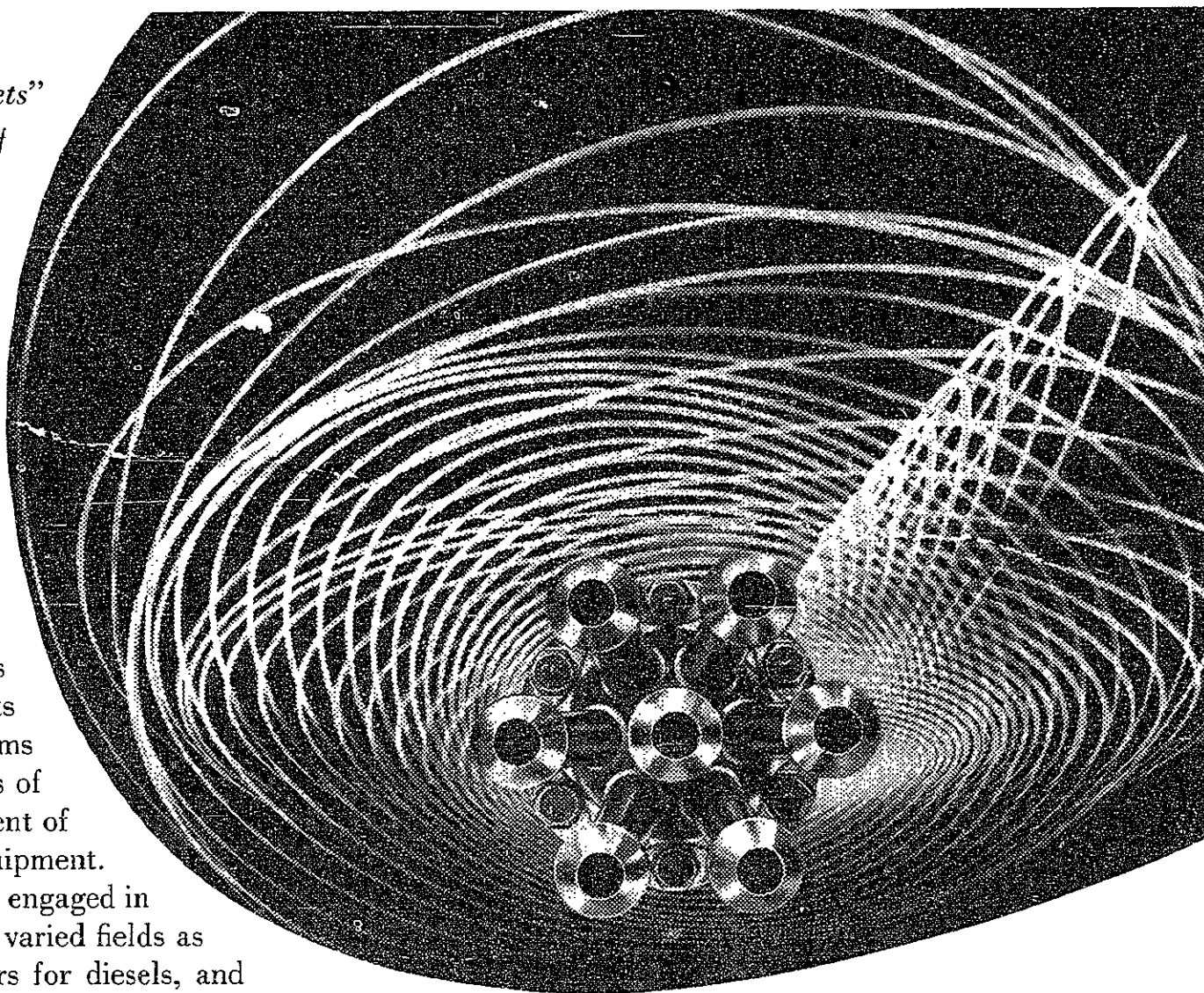
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INTERVIEWS on CAMPUS...Thurs., Mar. 7—Fri., Mar. 8

B.S.—M.S.—Ph.D. CANDIDATES

Bush leaguer

E.C. Basketball Champs; Grads Second

Continuing its domination of intra-mural basketball play, East Campus topped its finalist opponent, Grad House A by a score of 36-32 to win the 1956-57 championship.

In a game that was marked by speedy play and a low scoring, a sharp contrast to earlier EC games, Courtney, '60 was high scorer with 15 points. Davey Crockett totaled 17 points, but strong defensive rebounding marked his play.

Tied 10-10 at the end of the first quarter, 16-16 at the half, and 26-26 at the three quarter mark, the game had all the essentials of a final play-game except fine play. John Madell led the grade in the contest by scoring 12.

DU Edges Sigma Chi

In the first game, for fourth place, Delta Upsilon topped Sigma Chi 31-25. James Burns paced DU with 18 points. Bill Brandon led the Sigma Chi losing cause by dropping in 10.

The only other game in the intra-mural basketball competition took

place the night before the final game. Grad House beat Beta Theta Pi for the right to meet East Campus in the final. Trautman and Grubbe with 15 and 12 points respectively, were high men. The Betas, through their loss were relegated to third place.

Next Week *The Tech* will print the scoring leaders for this past seasons play, along with an all star team selected by the intra-mural basketball manager and the Bushleaguer writer.

Bowling Finals Underway

Play having been completed in all leagues of the bowling competition, playoffs for the championship are now underway. Delta Tau Delta, league II leader, lost its first playoff game to Sigma Phi Epsilon, league IV champ, and then forfeited its next three playoff matches to Phi Sigma Kappa, Grad House, and 5:15 A, the first place finishers in league III, VI, and I respectively.

Grad House shut out Sigma Phi Epsilon 4-0, then 5:15 B shut out

Grad House 4-0. Sigma Phi Epsilon took 5:15 B 3-1, while Grad House beat Phi Sigma Kappa by the same score.

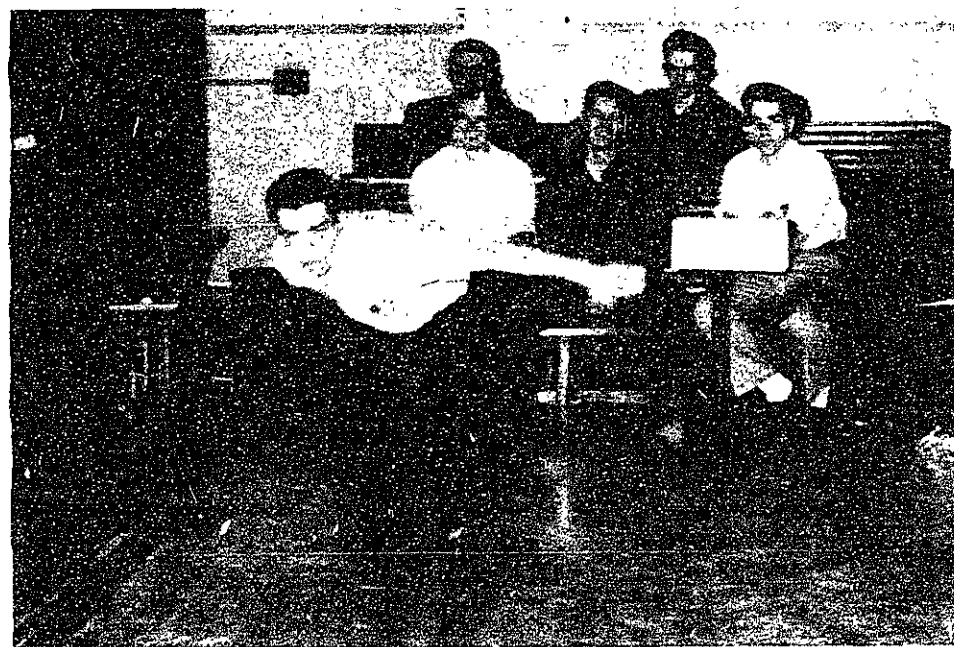
The bowling playoffs are being conducted on a total point basis, rather than a double elimination, which is the case in most championship competition. This way every team gets to play every other at least once, the winner determined by the one gaining the most points.

Hockey Play Nears Completion

Alpha Epsilon Phi edged Delta Upsilon 2-1 in the continuation of a tie contest, to plunge league six into a three way tie, necessitating a playoff before the playoffs.

Sigma Alpha Epsilon and Phi Gamma Delta, the two others tied for the league leadership, met, with SAE emerging the victor, 2-1. SAE meets AEPI for first place now.

In league III, the only other where the winner was not determined, Sigma Nu trailing Sigma Chi by a half game, met and knocked off their league



Jerry Murphy '57 prepares to lay the ball into the candle pins to add points to the 5:15 Club B total that tied Phi Sigma Kappa 2-2 in the Intramural Bowling Playoffs. This was the game where Capt. Vinnie Donelan '57 established the record high string of 143 for the 5:15 Club B team.

leaders to virtually gain the top position. The Snakes have one game remaining, against Delta Tau Delta, now sporting a 2-1 record.

If, by some chance, the Deltas do beat Sigma Nu, league three would find itself in the same position as league six, that of three teams tied for the leadership at the seasons close. Sigma Chi stands 3-1 now with

all its games completed, and Sigma Nu at 3-0, with but the Delta game left.

Hockey playoffs, for the intra-mural championship, will commence Sunday Evening, with a triple header on tap. Weather permitting, they will continue with doubleheaders Monday and Wednesday. Double elimination will be the system used.

Graduates

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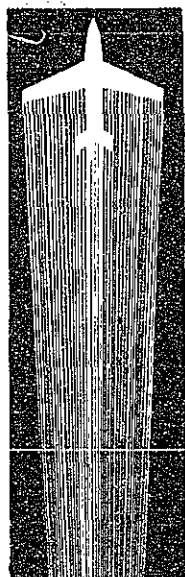
You are invited to consult your placement officer for an appointment.

Separate interviews will be given for each division.

Both divisions of Lockheed are engaged in a long-range expansion program in their fields of endeavor.

California Division activities in Burbank cover virtually every phase of commercial and military aircraft. Seventeen different models of planes are in production, including cargo and passenger transports, high Mach performance fighters, jet trainers, radar search planes, patrol bombers.

B. S. graduates who wish to attain a Master's Degree will be interested in the California Division's Masters-Degree Work-Study Program. In the program, participants achieve their M.S. while working concurrently on Lockheed's engineering staff.



At Lockheed in Marietta, Georgia, new C-130A turbo-prop transports and B-47 jet bombers are being manufactured in the country's largest aircraft plant under one roof. The division is already one of the South's largest industries. Moreover, a new engineering center is now in development as part of the division's expansion program. In addition, advanced research and development are underway on nuclear energy and its relationship to aircraft. A number of other highly significant classified projects augment the extensive production program.

This broad expansion program is creating new positions in each division. Graduates in fields of: Aeronautical Engineering, Electrical Engineering, Mechanical Engineering, Mathematics and Physics are invited to investigate their role in Lockheed's expansion.

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CAMPUS INTERVIEWS

9 a.m. - 5 p.m.

Wednesday March 6th

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MIT Lightweight Crew Prospects Are Favorable For Coming Season

Prospects for the coming lightweight crew season look good, with three returning varsity lettermen and a number of sophomores who have graduated from last year's excellent freshman crew. Because it is somewhat early and the first race is nearly two months away, it is difficult to make any predictions.

The returning varsity lettermen are Rod Rogers, stroke, Pete Hellston, No. three oar, and Al Phillips, coxswain, all juniors. Last year's freshman boat finished second in the sprints at Princeton. The sophomores from this boat will provide the depth and balance to the varsity. Returning junior varsity lettermen will round out this year's squad.

A preview of the '57 lightweights was given last fall in an informal race at Dartmouth. At this race, MIT finished three lengths ahead of the Dartmouth crew and won a very well rowed race. The line-up of that crew was, from bow to stern: Moran, Hellston, Simpson, Schlathauer, Zachor, Fleischer, Maas, and Root. Five out of the eight were sophomores.

This year's lightweight coach is Val Skov, who coached the freshman lights last spring. Val was stroke on the '54 and '55 Henley crews and was co-captain of the lights in '55.

The schedule for this spring includes five races against very strong opposition. April 20th is the date of the first race which is against Harvard here on the Charles. The following week is the Biglin Cup against Harvard and Dartmouth also here on the Charles. The remaining races are all away. Cornell, Columbia, Navy, Yale, Penn, and Princeton are the schools on the schedule. All these provide for a full racing schedule and good competition. The final race of the year will be the EARC sprints on May 18th at Annapolis.

Now that the ice has cleared off the river, the crews have taken to the water and to more intensive practice. The work that is done on the water is very important towards developing the crew. There is still time for those interested to come down to the boat-house and begin rowing. Practices are held from four to six during the week.

Polio Vaccine Offer Has Large Response

Response to the Medical Department's offer of inexpensive polio shots has been enthusiastic, say the doctors who administered them. The department reports that "about 5000" shots have been given to students and Institute personnel. Notices have been posted for the past several months on most of the bulletin boards on campus urging the reader to come in for the Salk vaccine.

The series of three shots can be started or completed at the infirmary, which is open for this purpose from 8:30 to 5 p.m. every weekday. Students under 20 years of age get the vaccine free; all over 20 pay one dollar per shot.

The program is expected to continue at least into next year, in order to complete series recently begun.

MIT Fencing Squad Host To Seven Teams In NE Invitational

This Saturday, March 2, MIT will play host to seven fencing teams from all parts of New England. The occasion is the New England Invitational Tournament. The tournament, which has been held for the last four years, promises to be on a larger scale than in the past. Three new participants, Holy Cross, Brandeis, and the University of Bridgeport are slated to attend this year. Other teams to be represented are MIT, Boston University, Trinity College, University of Connecticut, and Bradford Duffee Technological Institute.

The fencing will begin at 10 o'clock Saturday morning in the Walker Memorial gymnasium where it has taken place for the last two years. Each team will enter two men in foil, sabre, and epee. Each team member will then fence every other man in his particular weapon. This will total approximately 500 bouts to take place during the day. Since there will be several strips used simultaneously, spectators can be assured of plenty of action.

Many of the teams have met previously in competition so that some predictions can be made of their performance. MIT has met and beaten five of the other teams, the exceptions being Brandeis and University of Bridgeport. The latter two teams, lacking experience, should not present too much difficulty, making Tech the favorite. Other top contenders for the championship are Trinity and UConn. MIT and Trinity should be the top ranking teams in foil while UConn. and MIT should be fighting for sabre honors. The epee team championship, however, could go to anyone.

After the meet trophies will be awarded to the winners of each weapon while the coveted El De Trophy will go to the championship team. The El De Trophy, now held by MIT has been won by Trinity twice in the past and once by BU. Since the NEIT is the top New England fencing event of the year, all fencing fans are urged to attend.

Where do you want to hang your hat?

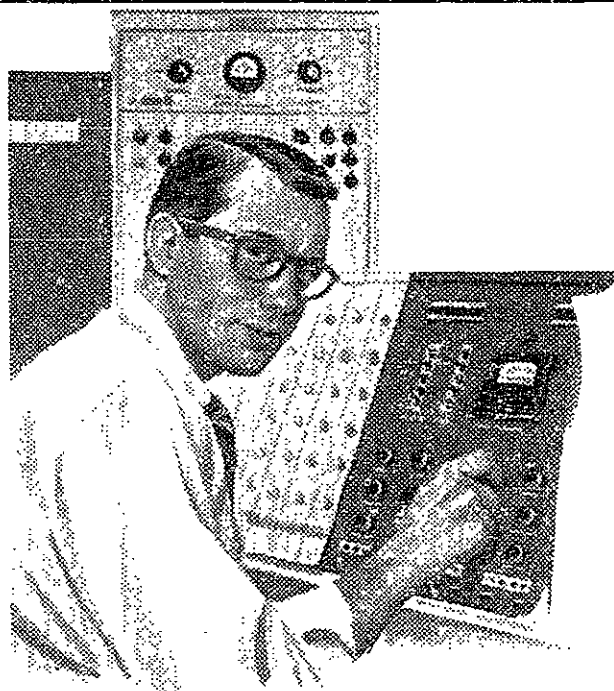
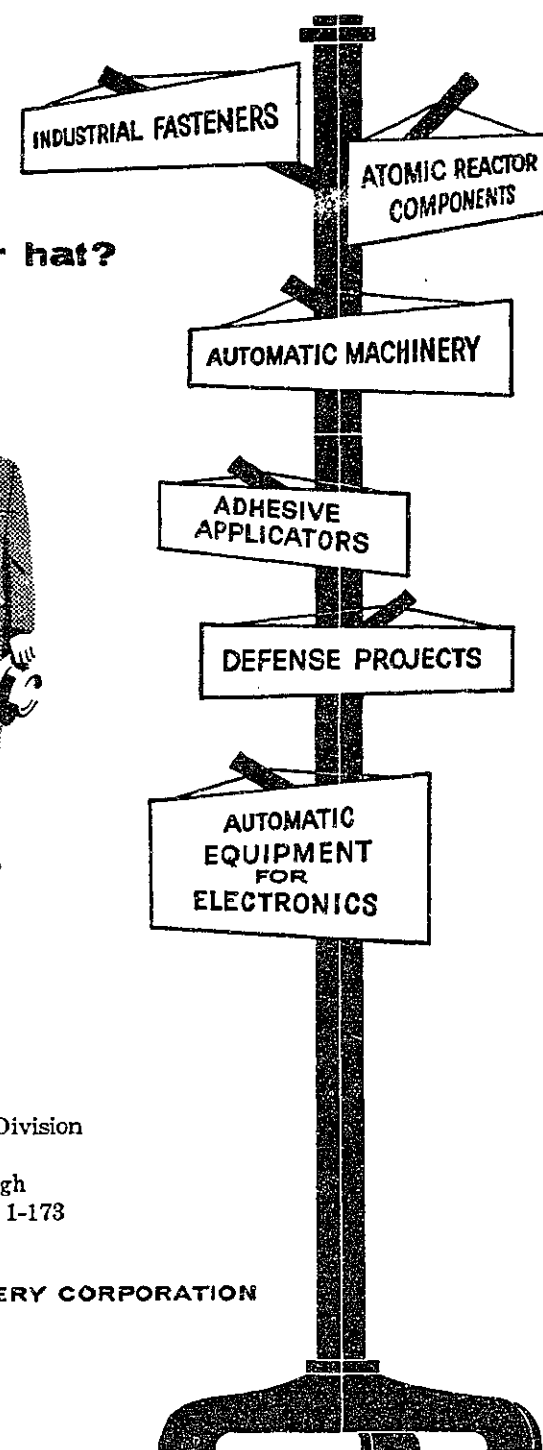
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PERSONAL INTERVIEWS

MARCH 4-5

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Tufts Edges MIT Cagers By One Point; Muraskin Paces Beavers In 74-73 Loss

In their most exciting encounter of the season, the Beaver hoopsters were edged by Tufts 74-73, in the gym Wednesday evening. The Engineers played their best ball yet, despite the fact that they were outed and two starters were missing; Lee Cooper '59 and team captain Mac Jordan '58.

MIT started quickly, piling up a 17-lead in the first ten minutes of the opening half. The Jumbos hung in there, but with Murry Muraskin '57 firing from all angles, the Techmen

widened their advantage to twelve points, 36-24. At that point the Engineers cooled off, and the home squad caught on to score seven straight to make the score 36-31 as the half ended.

The Tuftsmen continued their surge in the opening moments of the second session, and with eight minutes gone they took the lead for the first time in the contest, 39-38. The foes then battled back and forth for a while, but the visitors amassed a small lead and held on to it.

With two minutes to go in the game, the Beavers led 71-65. A three point play and a long one-hander by Tufts cut that margin to one thin point. With a minute and a half remaining, Bob Polutchko '59 was called for charging. The crucial free toss was missed but the Jumbos took the rebound. Marty Goldstein '57 stole the ball and victory seemed within the Engineers' grasp, but Tufts restole the sphere and Bill Shaw dropped in a layup to put the home squad ahead 72-71. The victors then scored an insurance basket, and with a few seconds left Muraskin hit from the outside to make the final tally 74-73.

Shaw, 6'2" forward, led the game's scorers as he tossed in 30 points for the winning effort. Muraskin enjoyed his best scoring spree of the season, tallying 23 to pace the Techmen.

Both teams were remarkably accurate from the floor, as MIT hit on 44% and Tufts 43%, of their field goal attempts.

The loss brought MIT's record to 7 wins and 9 reverses. They play their final game at the USCGA this Friday night.

MIT Box Score:

Player	FG	F	Tot.
McGinty	2	5	9
Polutchko	5	3	13
Muraskin	10	3	23
Goldstein	4	7	15
Larsen	1	0	2
Rachofsky	5	1	11
Totals	27	19	73

MIT Lacrosse Squad Prepares For Possibly Best Season Ahead

This Year's Lacrosse team is hopefully looking forward to a promising season. Many of the members of last year's outstanding freshman team are planning to play Varsity. Coach Ben Martin expects that they and the returning lettermen of the '56 Varsity team will present formidable opposition to any challengers. However, Coach Martin will rely largely on the experience and ability of returning lettermen Dick Beale '58, Jim Benenson '58, Bruce Blanchard '57, Lee Bredbenner '57, (co-captain), Dick Childs '57, Dave Clunies '57, Paul Ekberg '58, Richie Johnson '58, and Dick Wade '57.

The midfield will be well stocked this year. Paul Ekberg '58 one of last year's best midfield men, will continue playing his old position on this year's team. Bruce Blanchard '57, who has played midfield for two years, will probably add his able service to that position, again, although he is contemplating a switch to attack. Dick Beale '58 plans to take the midfield this year as he has done in previous years.

The two co-captains, Dick Childs '57 and Lee Bredbenner '57 will be the backbone of this year's defense, Paul Macho '58 will probably fill the third position to make the team tight against penetration from the formidable attacks of the opposing schools on the team's agenda.

Dix Brodyer is among many representatives of '59 on the Varsity team. Some other stars of last year's freshman squad are Larry Boyd, Collin Dunghinson, Herb Champlin, Bill Clark, Charlie Cushing, Charlie Fitz-

gerald, Bob Keene, Frank O'Donnel, Herb Priluck, Jim Russell, and Jonathan Weisbuch.

Co-captain Bredbenner expects this to be a better than average season. The team intends to make a Southern tour which will be highlighted by a game against Hofstra, a Long Island school which is one of the top Class B teams in this area. After a toughening bout with schools such as this, the team anticipates a successful season against the Northeastern schools.

On Deck

Friday, March 1

Fencing
New England Finals at MIT
Basketball
MIT Varsity and JV vs. Coast Guard at New London

Hockey
MIT vs. UNH at UNH

Rifle
MIT vs. Tufts at MIT

Squash
MIT vs. Yale at MIT

Saturday, March 2

Fencing
New England Finals at MIT
Indoor Track
ICAAAA Meet at N. Y.
Varsity Wrestling
MIT vs. Dartmouth at Dart.
Varsity Swimming
MIT vs. WPI at Worcester
Frosh Swimming
MIT vs. Moses Brown at MIT

Springfield Swimmers Down Tech

The MIT swimming team met an outstanding Springfield team Wednesday, and although the Tech squad produced some of their best performances of the season, they found themselves complimenting their hosts taking a 48-38 loss.

The finest exhibitions of the year were given by Techmen Al Hortmann and Lynn Jacobson '59. Hortmann swam the backstroke in the brilliant time of 2:24.7 secs., while Jacobson managed to lower his best time by eight seconds as he clocked to a 2:42.0 in the 200 yd. breaststroke, his being just three seconds over record for the pool. Neil Divine picked up a third for Tech in the backstroke.

Murray Kohlman '58 splashed through the 440 in the equally credited time of 5:19.1 seconds, which was under the MIT record for the event, but was ineligible for the rec-

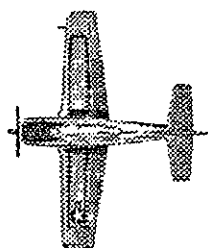
ord because he finished second to one of New England top swimmers. Murray also finished second in the 220.

Paul Brosens '59 won the diving competition with a total of 74.3 points. Another MIT win was posted by the 400 yd. freestyle relay team composed of Veeck, Duane, Jantzen, and Kane which took the event in the time of 3:45.5 secs., this being only five seconds over the MIT record.

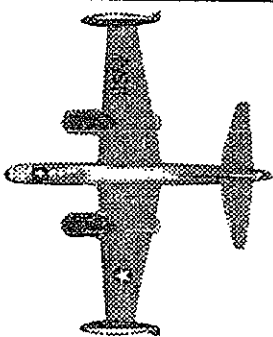
Added points were had when Rog Kane '59 and Bob Jantzen '57 took 2nd and 3rd respectively in the 50 yd. freestyle. Bill Veeck '58 and Kossler '59 accomplished a similar feat in the 100 yd. freestyle.

The swimming squad will meet WPI at Worcester this Friday, and the team feels confident of victory against the traditional weak opponent. They also hope that the Worcester pool will give them a final crack at breaking the MIT team records.

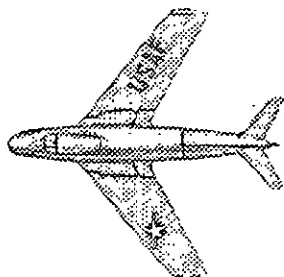
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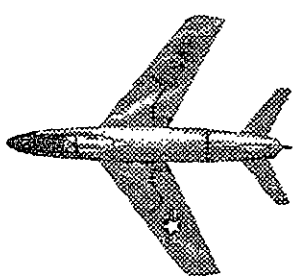
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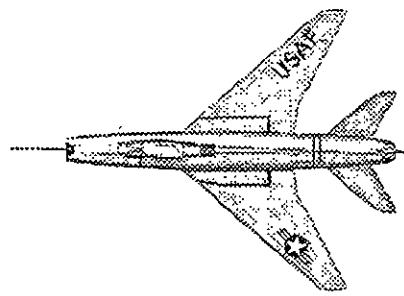
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Holden Appointed To Head Student Union Comm; Action Soon

Dean Robert J. Holden was appointed Chairman of the Student Union Committee by Dean Rule last Tuesday. The committee was organized to advise Dean Rule's Committee and to pull together the plans for the future Union. According to Dean Holden the committee would begin functioning as soon as possible.

The Committee is to discuss the problems which make for an MIT Union. Although no time limit has been set for the completion of the Committee's work, Holden went on to say, "Both Dean Rule and I have a great interest in the Union and want to make a good report—the sooner the better."

Dean Holden has been interested in The Student Union for MIT during the last few years, and has been to several conferences concerning Unions and their design.

Tennis Courts To Be Built Behind Baker

Twelve new tennis courts are to be installed behind Baker House this summer. They are to be placed side by side, thereby, extending from one end of Baker to the other. The cost of \$80,000 will be supplied out of the Dupont Athletic Fund.

Most likely, according to the Athletic Association, six of the courts will be all weather ones surfaced by a special all-weather surfacing. The others will be surfaced with clay to provide for better tennis than is now available with asphalt courts.

PATENT LAW

Seniors and others interested in a career in Patent Law are invited to talk with Ernest A. Faller, Jr., Primary Examiner of the U. S. Patent Office on Thursday, March 7. Study law at George Washington or Georgetown while working as an examiner at excellent salary. To make an appointment call at room -173.

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C I S

(Continued from page 3)

political evolution of the Soviet Union."

Right now, the Center is faced with lining up enough funds to support its research on a long term basis. This means an assured annual income of at least one hundred thousand dollars, in addition to special grants. Only the International Communications Program now has long term backing.

The center also may eventually establish a curriculum. A part of the School of Humanities and Social Studies, the Center now offers no courses. But Blackmer says, "There is some feeling that our research is not sufficiently integrated into MIT. Changing this will probably eventually mean setting up an independent political science department for graduate work."

Newest research field is the Relation between American Society and its international setting. Professor Rostow, head of this area, feels it should contribute to better understanding of the strengths and weaknesses of American Society in the world. Rostow is a year and a half away from publication of a book on the central theme of the research.

In addition to the writer-audience image project, the International Communications Program is well along on a half dozen other projects: European

attitudes on unification, the impact of new communications patterns on the Middle East and American attitudes towards India.

The program on economic and political development has concentrated on field research in India, Indonesia, and Italy. According to Professor Malenbaum, who recently returned from field work in India, these areas were chosen for their demonstration of different aspects of economic growth. "Besides, I was available, and India is plenty interesting."

Malenbaum feels knowledge from this research could be used to implement an economic development program such as that suggested by the Center.

"We hope this information will not only be useful for teaching us a lot more about economic growth, but of direct value in helping growth on the part of the US and the UN, especially, the country in question itself." For instance, he said, "India appreciates more knowledge of the structure of its economy. Of course, it is best if this research can be done by the country itself." Malenbaum, who once discussed his work on the Second Indian five year plan with Premier Nehru, feels, "If you really made a good case, taking into account the sensitivity of the people, the chance of putting a development program into practice are very, very good."



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