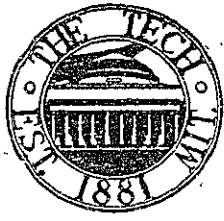


# The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXIII NO. 11

CAMBRIDGE, MASSACHUSETTS, FRIDAY, MARCH 20, 1953

5 CENTS

## "Project Lincoln" Revealed As Study Of Atomic Defense

The nature of "Project Lincoln," the super-secret Government project which has been going on in Building 22 since the beginning of the Korean war, was revealed, earlier this week in the syndicated column of Joseph and Stewart Alsop.

The Alsops, in their Washington column, (which was given a five column headline on the front page of the New York Herald Tribune that day) said that "Project Lincoln" was "a study of the air defense problem" of the United States, and was designed to play much the same kind of role for air defense as the Manhattan Project played for the atomic bomb development program. They called it "the first really comprehensive, officially sponsored scientific effort to assess the meaning of the atomic bomb in Soviet hands."

According to their sources (which the Alsops did not reveal) the scientists of "Project Lincoln" found that within two years the U. S. S. R. will be able to deliver a devastating air-atomic attack on this country and that unless immediate steps are taken to perfect our defenses, we could then be knocked out as a military power beyond hope of a comeback. The cost of the "immediate steps" was estimated as between 10 and 20 billion dollars.

"Project Lincoln" was the biggest government project awarded to the Institute and has become so big that President Killian has repeatedly sought relief from it.

Among the men who led this project were Dr. James R. Killian, Jr., President of the Institute and Dr. Albert G. Hill the project director. The consultants included Drs. Charles Lauritsen, I. I. Rabi, J. Robert Oppenheimer and Vannevar Bush.

Last spring and summer an expanded working party called the Summer Study Group was set up to make final conclusions. These conclusions are now in the hands of President Eisenhower and the National Security Council.

## Monroe And Orch. Transcribe Here On Sat. Afternoon

Vaughn Monroe and his "Camel Caravan" will visit the Institute tomorrow to transcribe a half-hour radio program. The program will be broadcast coast-to-coast over the Columbia Broadcasting System on April 11.

The transcription will be made in Morriss Hall, Walker Memorial, at 1:30 p. m. Following the transcription, Monroe and his group will present a concert for the students. At approximately 2:45 p. m. he will hold a smoker in Litchfield Lounge during which students may question him or members of his group.

All Tickets Taken  
Admission to the program will be by ticket only. Unfortunately, all available tickets have been taken. However, those students who have purchased tickets for the I. D. C. dance tomorrow night will be admitted to the program. The first 350 people arriving at Morriss Hall will have seats. The others, approximately 200, will have to stand. Doors will open at 1:00 p. m.

During the transcription, the orchestra and singers will present "Take Me Back to Tech" and "Arise Ye Sons of M.I.T." Blair R. Behringer '55, general manager of Tech Show, will present Monroe with a scroll honoring him for his work in bringing popular music directly to the students throughout the United States through the "Camel Caravan."

The actual broadcast of the program will be carried locally over Station WEEI at 7:30 p. m. on Saturday, April 11.

In essence, "Project Lincoln" was set up to answer the following three basic questions relating to the nation's air defense:

1—Do the Russians have the means to deliver effectively enough atom bombs to ruin this country's capacity to fight a war? The answer delivered by the "Lincoln" scientists was that within two years the Russians would be able to do this.

2—When will the Russians have enough atom bombs to insure destruction of this country's war potential (allowing for a number of bombs which would not reach their targets)? The Alsops report that according to figures in "official American use until not too long ago" the Russians had

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## Inscomm Debates Secretariat Motion

On Wednesday, March 18, the 1953-1954 Institute committee held its second meeting of the new year. The first item brought up was a motion to discuss the Secretariat's report on room changes. The report was finally accepted in its revised form. Also discussed was the report of the National Students Association Investigating Committee. The report was refused because it was felt that it did not fully answer the question's asked of it. The matter under investigation is the question of renewing the Institute membership in U.S.-N.S.A. Also questioned were several of the policies of N.S.A. and the functions it performs. Although John Polk '53, former president of the local N.S.A., answered these questions on the floor of Institute Committee, to the satisfaction of its members it was felt that his answers should have been embodied in this report. The report was therefore defeated with the suggestion that a more complete one be submitted at the next meeting of Institute Committee.

A motion by Eugene Mathot '56 proposed that the results of all elections be made available immediately following the counting of the votes. Mathot followed with another motion to set up a four man committee to work with Dean Spear to look into the problem of activity parking lot at the Burton House. Both proposals were passed.

Dale Straif '55 of Kappa Sigma Fraternity was approved as the chairman of the committee on discrimination, which will distribute information concerning the presence of restrictive clauses in fraternity constitutions.

John Seiler '55 and Robert J. Cushing '55, Judicial Chairmen of Dormitory Committee and 5:15 Club respectively, were provisionally accepted to the Institute Committee-Judicial Committee. Both Seiler and Cushing will be juniors next year and can not have a voting seat on the Judicial Committee according to the Constitution of Undergraduate Association which requires that only seniors be

(Continued on page 6)

## Red Cross Classes Start In Swimming

Red Cross Senior Life Saving and Instructors' Courses will again be given this term at the Alumni Pool. Certificates will be awarded those persons who successfully complete the course.

Classes will meet Mondays, Tuesdays, Wednesdays and Thursdays between 4:00 and 5:30 p. m. from April 6 to May 19. All those interested in taking the course are requested to sign up on Monday, April 6, in the pool. The only cost involved is \$1.20 for the two required Red Cross books. The classes are open to all male students, staff and faculty.

## Miss S. Gunberg Is Chosen Queen Of Military Ball

Sondra D. Gunberg of Weston, Mass. will reign as Queen of the Military Ball to be held tonight in Morriss Hall. She was chosen from a group of five finalists by a vote of the undergraduate body last Wednesday. The four runners up, Janet Sanborn, Barbara Donahue, Natalie Kanton, and Ann Duffy, will act as the Queen's ladies in waiting.

### New Members Get Sabres

Miss Gunberg, the date of Martin Wohl '54, will be crowned in the Coronation Ceremony by the outgoing cap-



Sondra Gunberg, Queen of Military Ball, captain of Company G-5 of Scabbard and Blade, David F. Rollins '53. After the coronation ceremony new members of the company will be presented with sabres by their dates and the company will then be turned over to its new captain Joseph F. Pennimpede '54.

Besides a large number of military and civilian dignitaries who will be present the Pershing Rifles will act as an honor guard and also provide some intermission entertainment. Persons who entered their date's pictures in the contest may get them back by seeing Richard Linde '53 on East Campus. A few tickets are still available for the affair and are priced at \$3.00. Music for the Ball will be provided by Hal Reeves and his orchestra. Dress is formal, either military uniform or tuxedo.

## Den Hartog Gives Practical Lecture With Simple Models

Mechanical Vibrations and Their Control will be the subject of a public popular science lecture to be given by one of the outstanding authorities in this field at the Institute at 4:00 p. m. this Sunday.

Dr. Jacob P. Den Hartog, Professor of Mechanical Engineering, will discuss the occurrence and prevention of vibrations in a variety of structures and machines ranging from aircraft wings to washing machines. The lecture will be illustrated by a number of simple demonstration models, many of which can be easily made at home from a few pieces of wood and steel wire.

In previewing the lecture, Dr. Den Hartog said: "An understanding of vibrations is of great practical importance. Today machines seldom fail because of high loads but almost invariably break because of variations in stresses caused by vibration. The break occurs in the same manner that a strip of tin or wire is broken by repeated bending. Such fatigue breaks take place not only in high speed machinery but also in such seemingly 'static' structures as large suspension bridges and overhead transmission lines."

Dr. Den Hartog has made important original contributions to the solution of complicated mechanical vibrations and is outstanding in the field of analysis. He has received both the Pi Tau Sigma Richards Memorial Award for "outstanding work in applied mechanics," and the Worcester Reed Warner Medal for "outstanding contributions to engineering literature" from the American Society of Mechanical Engineers. He is also the author of numerous articles that have appeared in the technical press and of the books "Mechanical Vibrations" (1934), "Mechanics" (1948), and "Strength of Materials" (1949).

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## Student Deferments Require Renewal During Spring Term

Applications for renewal of student deferments are now available at the Selective Service Advisory Office, Room 7-102. The Advisory Committee has issued the statement quoted below regarding the proper procedure for securing or renewing student deferments.

Students who wish to be deferred in Class 2-S by the Selective Service System over the summer and the next academic year must fill out a set of SSS Forms 109 and a questionnaire at Headquarters of the M. I. T. Advisory Committee on Military and Selective Service, Room 7-102. This office has a supply of these forms and many students have already filled out the first six questions in preparation for filing with the Local Boards in June. Students are urged to fill out these forms, as soon as possible rather than put it off and cause a last minute rush which could result in delays.

"In view of the fact that the forms do not constitute a request for deferment in Class 2-S (student), it will be necessary for this office to prepare and send to each local board a letter requesting deferment for the next academic year. In this connection, a questionnaire has been prepared which when filled out will give the necessary information upon which to write such a letter. Letters and forms cannot be sent automatically to local boards. This must be done at the individual request of each student.

"Reports from Washington indicate that student deferment is to be continued. However, the passing mark on the Selective Service College Qualification Test will be raised from 70 to 75. As soon as the new regulations are received from Washington, we will offer them to THE TECH for publication. Last year General Hershey gave the colleges 30 days after the end of the academic year in which to file all of the Forms 109 with the local boards, and this procedure will be continued. These forms are sent annually to the local boards and show the students' scholastic standing for the previous academic year and are not based on cumulative rating as many student mistakenly believe.

"Almost all Class 2-S deferments have an expiration date in June or July. However, students should not be surprised if they do not receive an extension of classification until later on in the summer when the Boards have had a chance to make their determinations. In other words, the Boards are required to reconsider the classification of each student after receipt of Form 109 and a letter requesting continuation of Class 2-S deferment. We suggest that students and their parents refrain from contacting the local boards. It works out much better to have the entire deferment situation handled formally and impersonally.

(Continued on page 3)

## Institute Plans Skating Rink; New Auditorium Starts May 1

Tentative plans for the construction of an ice skating rink have been made public by the Institute. THE TECH was informed by Mr. Robert Kimball, director of the Division of Business Administration, that no funds have been allocated for the project at present, since plans are still in the formative stage. In any event, completion of the new auditorium will precede construction of the rink, since the air conditioning system of the former will be used to manufacture ice for the rink in winter. It has been shown that a small increase in the capacity of the projected refrigeration system for the auditorium will make it suffice for the rink also.

A chapel for the use of the Technology family will be constructed in conjunction with the new auditorium. Plans, unapproved as yet, call for a separate building to be located somewhere between the auditorium and Massachusetts Avenue. The chapel may be circular in shape, with a narrow moat around it. By day, sunlight, and by night, artificial light, will be reflected from the surface of the moat to illuminate the chapel. All faiths will be allowed to use the edifice, and a permanent staff of religious advisors may be attached to it. It is introduced a new element of unusual beauty to the campus.

The auditorium and chapel will be paid for with money from a grant of one and a half million dollars given to the Institute in July 1950 by the Kresge Foundation. Long range plans

(Continued on page 2)

## Dormcomm Elects Four New Officers For Coming Year

New officers for the coming year were chosen at Monday's meeting of Dormitory Committee. Fred Herzfeld '54 was elected chairman of the social committee. This committee is responsible for all the social events that are staged by the Dormitory Committee. These events include Dormitory Week End, which is a two night affair.

John Seiler '55 was elected chairman of the Judicial Committee. This is a very responsible post, as the committee is charged with prosecuting violators of the open house rules. In very serious cases, the committee has the power to recommend action by the Dean's Office.

Jim Duguay '55 was chosen as secretary, and will be in charge of recording and posting the minutes of committee meetings. At certain times in the past, the minutes have not been posted until several days after the meeting and this has aroused criticism in some quarters. The new secretary was instructed that the minutes must be posted in all the

(Continued on page 2)

## West Pt. Society Meets At Institute

The West Point Society of Boston will hold its annual Founder's Day Dinner at the Institute Faculty Club on Saturday, March 21, for graduates and ex-cadets of the United States Military Academy. Dancing will be included in the evening's entertainment.

Colonel C. F. Baish, Professor of Military Science and Tactics at the Institute is chairman of the planning committee.

The Founder's Day Dinner celebrates the founding of the military academy in 1802 and provides the diners with the opportunity to become acquainted with the latest developments and changes at the academy.

# The Tech

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No. 11

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Night Editor: John Margulies '54

## Editorial

### IT'S ABOUT TIME

For the past several years the detailed results of campus elections to both Institute Committee and the dormitory governing bodies have been noticeably withheld—for various lengths of time—from the student body by a small, select group of people. Perhaps this state of affairs has been the practice of student government since its inception at the Institute and that what we have seen in our short time here is the rule rather than the exception. This policy, however, has recently been questioned and with good reason. For when election to office is conducted in a supposedly democratic manner detailed and complete information concerning the final outcome of the balloting should certainly be made available to any and all interested parties. One should expect no less. No further justification than this right of free inquiry is required for the demand to be given access to such information if it is withheld. It is surprising that the situation at the Institute has been tolerated so long.

The Secretariat, which is an organ of the Institute Committee, is the one group exclusively empowered to control all matters involved in the election of class officers. It has, in addition to maintaining provisions for balloting on the day of election, the all important function of counting the votes. Now in a truly democratic system this duty should be performed in the presence of any person who cares to survey the tabulation process. For the sake of expediency, however, we can well understand the desire on the part of the Secretariat to carry out this particular function with a minimum annoyance. However, once this task is completed, its results must be made public.

The 1953-1954 Institute Committee recognized this and was quick to rectify the failings of past student governments by passing the motion to make available detailed class election results "immediately following the counting of votes". Past policy has been to refrain from making any election announcements until final approval of new officers was received at an Institute Committee meeting, (and then only the names of the winners were made public). However, nowhere in the Undergraduate Constitution is there any stipulation that this procedure must be followed. The antedated policy has been perpetuated merely by a fear of breaking "precedent". In fact the only reason the Chairman of the Secretariat could give for this strategy was that it did not let "the students know the number of votes separating the candidates". This is the very reason for discarding the policy. It is of great import, for example, to know that in at least two instances within the past year victory was decided by the slim margin of only two votes. A change in ONE VOTE would have been sufficient to alter the outcome of the election.

It was argued also that the results, until approved, were unofficial and subject to reconsideration and recount by any candidate who doubted their accuracy. But how is a candidate to know where he stands in the final tally if detailed results are not made available to him?

The college student is far past the stage where he must be constantly sheltered. When a student becomes a candidate for office he immediately assumes the possibility and risk of losing the election. The argument then that feelings may be involved, and must therefore be considered, is an invalid one.

The announcement, by Institute Committee that it will henceforth make public the complete election results is a welcome one and is indication that the new Institute Committee is off to a good start.

### through the mail

To the Editor of THE TECH:

One year ago the Institute installed the finest telephone system in any college dormitories, which enables a caller to speak to any resident by calling the M.I.T. main switchboard and which also provides for calls by residents to Institute offices. Professor Carlton E. Tucker of the Electrical Engineering Department designed the system and persuaded the Institute to install it. About 32 brand new telephones were installed in East Campus.

This fine system has been subjected to much abuse. Phones have been blown up, a dial was removed in Walcott, and many handsets have been stolen. Last week every phone in Wood and two in Hayden were disabled, a total of five handsets and two complete telephones stolen. The Institute does not plan to replace these phones. Pay telephones in the area adjacent to M.I.T. have received similar treatment.

The only solution I can see is not a pleasant one. If we cannot take care of good equipment, then the Institute should replace the new phones with old dial type wall phones like those in the halls at Burton House and the rooms at East Campus (they have no handset). This equipment is not worth stealing and cheap to replace if someone does steal it. I would rather use a handset for my outside calls, but it is better to use old equipment than to have the institute get fed up and give no service at all.

I am interested in hearing the views of other people on this subject.

John Aurelius '55

March 18, 1953

All letters to the Editor must contain the author's name which will be withheld upon request.

### Dormcomm

(Continued from page 1)

dormitories within 48 hours after the meeting.

Alfred Gough '54 was elected treasurer. The Dormitory Committee may handle as much as \$10,000 in the course of the year, so the job of treasurer must be in the hands of a responsible individual. Gough brings his experience in the student government of East Campus to his new job. Jay Berlove '53, member of the Baker House Committee, announced that said committee has taken it upon itself to create a definite set of open house rules for the lounges in Baker

## Justice Tyndall Of New Zealand To Lecture On Labor Relations

By

Frank Sarno '55  
and Stephen Cohen '56

Labor relations is one of the most complex problems we face in these times. The Department of Economics and Social Sciences is fortunate in securing as a visiting lecturer on this timely subject, the Honorable Arthur Tyndall, one of the leading authorities in this field, who has served in the important post of Senior Justice of the Court of Arbitration of New Zealand.

His capabilities stem from thirteen years of service on this unique court probably the only one of its kind in the world) plus invaluable experience in working for six months with a team of international experts to study labor and industrial relations in Pakistan. He was also connected with the International Labor Organi-

House. The failure of the Dormitory Committee to take such action itself has resulted in widespread misunderstanding and violation of the present vague rules in Baker House. Seiler said that the Judicial Committee will start work immediately on an integrated system of rules to govern the hours in all the dormitory lounges. Jerry Perloff '55 chairman of the Baker House Committee, observed that it was impossible to prosecute offenders for the violation of rules that did not exist, and this had prompted the action of the Baker House Committee.

Representatives of W. M. I. T. attended the meeting and renewed their appeal for funds to construct a new transmitter in the Burton House. The new transmitter would adequately cover the entire house, and will cost approximately \$450. The matter was referred to committee for further study since a sound method must be found to finance the project, or the Dormitory Committee will not support it.

### Skating Rink

(Continued from page 1)

for the campus include a plaza to be constructed between the auditorium and the entrance to building seven. The proposed ice skating rink would be located in the center of this plaza. Construction of the new buildings will require demolition of the floodlights which now light the soccer field, and the elimination of part of the West Campus parking space.

zation of the United Nations as a member of the agency at Geneva which reached a workable agreement with Pakistan.

### Senior Court Justice

The New Zealand arbitration court consists of three members, two of which are determined by the governor general upon the recommendation of the group they represent. Mr. Tyndall is the third man who has a permanent tenure similar to that of the Chief Justice of the Supreme Court. The court has powers delegated to it by parliament which include fixing apprenticeship codes, hours and wages. Its decisions are enforced by fines and cannot be appealed but it can only handle cases concerning unions and employers who have registered with it. Prior to his work with this court he did engineering work for twenty-nine years.

### Home By August

After delivering four lectures at the Institute, Mr. Tyndall will travel to McGill University, Univ. of California, Princeton and U.C.L.A. His travels will then take him from New York in April to England and the Isles, Geneva, Spain, Sweden, Hawaii and back home in August.

His two previous visits to the United States were to obtain a civil engineering degree from the Institute in '23 and to attend an International Roads Conference in 1930 at which time he also gave a lecture at the Institute.

### Lincoln Project

(Continued from page 1)

at the beginning of this year between 130 and 155 A-bombs, and by January, 1954, they will have between 275 and 360 of the atomic weapons. This is more than enough bombs, according to the Alsops, to finish this country as a military power, even when allowance is made for misses and bombs kept in reserve.

3—Is our present air defense system, or any extension of it we have planned for the future, adequate to protect us against a sustained attack from the air? The findings of "Project Lincoln" indicated that the existing system and any conventional future system cannot do the job. But, it was found that by embarking on an expensive program of development of new weapons we can obtain "reasonable security" against air-atomic attack.

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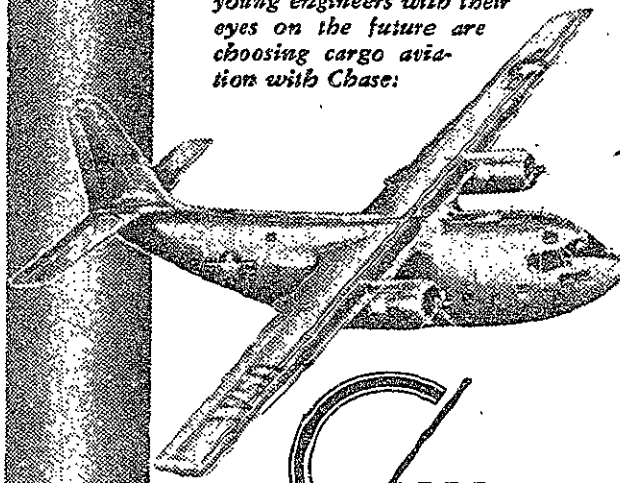
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## INTERVIEWS

ON THIS CAMPUS  
MONDAY, MAR. 23



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Reorganizes Watchmen



Dean Fassett, former associate dean of students

Dormitory night watchmen at the Institute have been reorganized and are now known as the Dormitory Patrol. These men now wear uniform jackets with identifying insignia. The idea for the reorganization originated in the office of former Associate Dean of Students Frederick G. Fassett.

In an interview with THE TECH, Mr. Henry K. Dow, Manager of the Dormitories, said the reorganization had been in the making for some time. He said he believes the new system will eliminate any confusion caused by lack of proper identification and will protect the students from strangers wandering around in the guise of night watchmen.

New Atomic Cannon Larger and Faster

The destructive power of America's new atomic cannon is so great that if it were mounted on an enemy submarine it could paralyze New York City in fifteen minutes.

Steelways, authoritative publication of American Iron and Steel Institute, says the atomic shell that the 280 mm. weapon can fire 20 miles with "pinpoint accuracy" is only about 11 inches in diameter.

To absorb the tremendous kick, the gun has a double recoil system. First the 40-foot barrel and then the entire gun recoils. The unit is carried suspended between two automotive tractor units, much like the high altitude of a fire engine.

"The new cannon and its carrier add up to one of the largest pieces of automotive equipment in the world," the magazine states, with the entire assembly weighing 85 tons. Yet the gun itself can be put into action faster than any heavy field pieces now in Korea.

It can barrel over highways at speeds up to 35 miles per-hour and turn corners in a street only 29 feet wide. The gun fires at any angle from a flat trajectory to an elevation of 55 degrees, and it traverses itself through 360 degrees.

Student Deferments

(Continued from Page 1)  
"Headquarters of the Advisory Committee on Military and Selective Service will be open during the entire summer and any student who has a question or receives a communication from his local board during that time should feel free to write to Mrs. Lutz. This applies particularly to students who receive SSS Questionnaires.

"PLEASE REPORT ANY CHANGE OF CLASSIFICATION AND YOUR TEST SCORE TO THIS OFFICE. WE MUST HAVE ALL APRIL 23 TEST SCORES BY JUNE 10.

"The Selective Service System has made absolutely no stipulations regarding requirements for summer school or summer employment of students, because they realize that many students must earn money during the summer in any way possible. It is to be assumed that many students will feel obligated to serve their country in defense industry or in some other way. This will be a distinct advantage to the student himself, especially if he can find employment in his own particular field. Not only does it mean valuable contacts and experience for future employment after graduation, but a company seeking to employ a graduate of M. I. T. can make good use of the fact that he has had prior experience in building a strong case for occupational deferment."

WMIT Schedule Of Classical Music

- SUNDAY, MARCH 22  
4-6 MUSIC OF THE MASTERS  
Gould: Spirituals for Orchestra  
Thomson: Plover That Broke the Plains  
Schuman: Judith  
Kern: Mark Twain  
Copland: Rodeo  
6-8 MUSIC ROOM  
Ives: Four Pieces for Orchestra  
Debussy: Ave Maria  
Beethoven: Quartet 14  
Stravinsky: Suite pour Petit Orchestre  
Short Harpsichord Selections  
8-10 CONCERT HALL  
Mozart: Violin Concerto 5 "Turkish"  
Beethoven: Consecration of the House  
Overture  
Haydn: Symphony 82 "The Bear"  
Handel: The Celebrated Water Music  
Corelli-Pinelli: Suite for String Orchestra  
Tchaikovsky: Swan Lake Ballet  
10-11 MUSIC IMMORTAL  
Mascagni: Cavallera Rusticana (opera highlights)  
Leoncavallo: Pagliacchi (opera highlights)  
Mendelssohn: Midsummer Night's Dream  
Handel: Judas Maccabeus performed by MIT Choral Society, Glee Club, and Symphony Orchestra  
MONDAY, MARCH 23  
8-9:30 CONCERT HALL  
Strauss, R.: Death and Transfiguration  
Liszt: Piano Concerto 1  
Mozart: Symphony 40  
Operatic excerpts  
10-11:15 MUSIC IMMORTAL  
Tchaikovsky: Capriccio Italien  
Beethoven: Symphony 5  
Prokofiev: Romeo and Juliet; Buffoon Ballet  
TUESDAY, MARCH 24  
8-10 CONCERT HALL  
Strauss: Waltzes  
Haydn: Concerto for Horn  
Ravel: Piano Concerto  
Chopin: Nocturnes  
10-11:15 MUSIC FOR MU-32  
Mozart: Marriage of Figaro  
WEDNESDAY, MARCH 25  
8-10 CONCERT HALL  
Mozart: Divertimento 15  
Bizet: Symphony 1  
Debussy: Quartet in G  
Prokofiev: Symphony 6  
10-11:15 MUSIC IMMORTAL  
Piano Selections played by Iturby  
Brahms: Symphony 4  
Beethoven: Piano Concerto 4  
THURSDAY, MARCH 26  
8-10 CONCERT HALL  
Bartok: Orchestra Concerto  
Bach: Motets in Chorales  
Schubert: Trio in E Flat Major  
Haydn: Piano Sonata  
10-11:15 MUSIC IMMORTAL  
Strauss, R.: Till Eulenspiegel  
Rimsky-Korsakoff: Scheherazade  
Tchaikovsky: Symphony 6 "Pathétique"

Cal. Tech, Institute Groups Meet To Discuss Problems

California Institute of Technology at Pasadena will be host to members of the Massachusetts Institute of Technology Academic Council in a series of discussions concerning the mutual problems of the two schools. For three days starting Monday, March 23, representatives and faculty from the Institute and California Tech will study such topics as student life, government research projects, faculty tenure, and perhaps the humanities programs. The Institute group will also meet with the trustees of C. I. T.

These meetings, held this year at Pasadena, will take place at the Institute in 1954. They were planned by President James R. Killian, Jr., and President L. A. D. Bridge of Caltech. The California institution is devoted mainly to science, and offers few engineering courses at the undergraduate level. The student body consists of 700 undergraduates and 500 graduates with a faculty of 300.

Other Activities On Trip

Before the Monday meeting, President Killian and Vice President and Provost Julius A. Stratton will attend the installation of Duncan Ballantine as new president of Reed College in Oregon. Professor Ballantine was a member of the English and History Departments here at the Institute until the spring of 1952.

Dean John E. Burchard of the School of Humanities and Social Science will represent the Institute at the installation of new chancellors at the University of California at Berkeley and at U. C. L. A.

En route to C. I. T., Dr. Dana L. Farnsworth, Medical Director, will stop off to speak on the occasion of the Institution of a course in Mental Hygiene there.

On their return from California some of the group will visit the Mt. Palomar Observatory, which is run by Caltech.

The Institute representatives who will attend the C. I. T. meetings are: President Killian; Provost Stratton; Treasurer Joseph J. Snyder; Dean of the School of Engineering Edward L. Cochrane; Dean of the School of Architecture and City Planning Pietro Belluschi; Dean Burchard; Dean of the School of Industrial Management E. Pennell Brooks; Dean of Students E. Francis Bowditch; Dean of the Graduate School Harold L. Hazen; Chairman of the Faculty Edwin R. Gilliland; Dr. Farnsworth.

GOLF TEAM MEETING

There will be a Golf team rally for both the varsity and the freshmen between four and six p.m. on Monday, March 23, in room 5-104. The Golf schedule for this term includes eight matches and the New England Intercollegiate tournament to be held the second week in May. The first match will be April 17; therefore it is imperative that everyone who is interested attend this rally. If anyone wants try out for the team and finds it impossible to attend the rally, he should leave his name, address, and telephone number at the Athletic Association office.

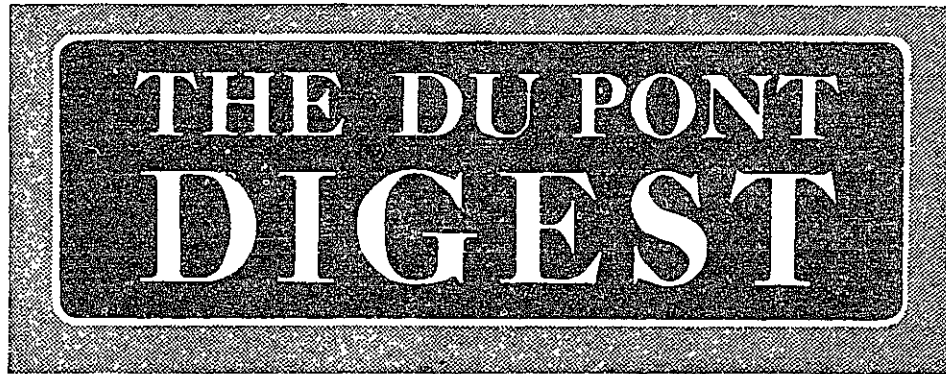
Institute Prominent In Panel At McGill

Professor Werner H. Gumpertz of the Department of Building Engineering and Construction at the Institute spoke as a panel member at the McGill Conference on the Construction Industry Integration in Montreal on March 11 and 12. Emphasizing the key role of educational institutions in bringing together the knowledge of engineers, architects, contractors and others, Professor Gumpertz described how the Department of Building Engineering and Construction trains students in design, materials, and construction. The result is a versatile highly trained graduate who appreciates the many aspects of his profession and can deal successfully with all of them.

Mr. Vincent J. Rother, prominent Montreal Architect, also participated in the panel discussion. Mr. Rother is a 1934 graduate of the Department of Building Engineering and Construction.

Cramer Triumphs In Baker Tourney

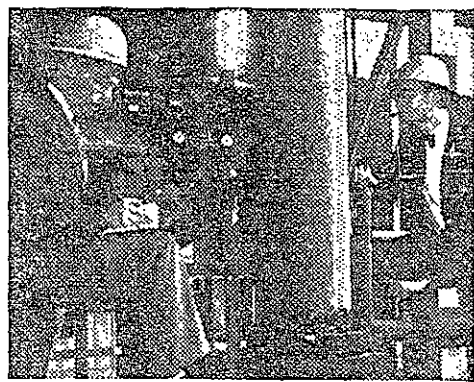
Elliott M. Cramer '55 emerged victorious over thirty-six rivals in the Baker House Table Tennis tournament by defeating Thomas F. Comperato '56 in the finals of the three-week tourney. Cramer and Comperato outdistanced all rivals to reach the finals. A big crowd watched a close, hard fought match as Cramer triumphed, 21-17, 15-21, 21-12, 9-21, 21-18.



THE ENGINEER'S PLACE IN

Plant Development

Another phase of Du Pont production activities offers challenging work for the technical man



E. H. Ten Eyck, Jr., B.S. in Ch.E., Syracuse '43, Ph.D. in Ch.E., Brooklyn Polytech '50, and W. H. Stevens, Jr., B.S. in Ch.E., Yale '50, take recordings on a new nylon unit.



D. S. Warner, B.S. in M.E., Purdue '47, and G. R. Prescott, B.S. in Met. E., Columbia '49, discuss improvements for stainless steel liners in tubes carrying corrosive materials.

In most Du Pont manufacturing plants you'll find two groups of engineers working side by side to make operations more efficient—to reduce costs and improve quality. The specialized work of one group, the production supervisors, has been rather fully discussed in the Digest.

Equally vital is the work of development men—the men responsible for advising management when operational changes should be made for economic or technical reasons.

Engineers from several fields of training are employed in development activities at Du Pont. It seems

to have a special appeal for the man who can take on a big problem, analyze its parts, and come up with a thoughtful, reasoned solution.

Individual development studies may begin in a number of different ways. Often they are sparked by the imagination of the engineer himself, who, of course, must be familiar with production costs, activities of competition, and recent or impending technical improvements.

Studies also may be inspired by suggestions of production supervisors or sales personnel, obsolescence of equipment, advances in competi-



John Purdom, B.S. in Ch.E., Ohio State '49, and Kenneth Kehr, North Carolina State '50, discuss diagram of a process for improved recovery of an intermediate for high polymers.

tive products, or the presence of unsatisfactory profit margins.

In a single study, the engineer may draw data from laboratories, semi-works and plant-scale experiments, prepare an estimate of profits and investments and consult with numerous specialists on various phases of the problem, both within the Company and outside.

Having collected data from these many sources and perhaps from an independent study of his own, the plant development engineer must then assemble and evaluate the material and prepare a recommendation that is based on sound engineering judgment.

Whether a product or process improves from the standpoint of competition, profit and efficiency depends, in great degree, on the quality of its plant development work. The development engineer's job is a responsible one at Du Pont, and the work of a good man is soon noticed.

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## Beaver Barks

Showing considerable improvement over last year when they failed to win a game, the Engineer hockey team closed its season with a record of three wins and eleven defeats. While this may not sound very impressive, it is good considering the handicaps under which the team played.

The Beavers started fast, with forward Richard T. DiBona '55 scoring a goal after fifteen seconds had elapsed in the first game. The Engineers went on to win over Rhode Island, 9-2, with Co-Captain Roger G. Turgeon '54 tallying three goals. The Beavers did not look as impressive in their next few outings against some of Greater Boston's better teams, but they did manage to sandwich a 7-3 win over Suffolk in with losses to Tufts, Northeastern, and Harvard.

In January, the team travelled to Lewiston, Maine, where they tripped Colby, 4-2, for their third win of the year. A vacation trip to Vermont did not end as happily, as Middlebury took a 9-3 win, and Norwich followed with a 14-2 victory. The final few games were against strong Greater Boston teams, and the Tech team was outclassed. The only surprise came when Suffolk tripped the Beavers, 5-4.

Because of the greater number of high school and college teams playing hockey in the Greater Boston area, the Engineers were forced to practice at the Lynn Sports Center in Lynn, some fifteen miles away, at six in the morning. Several home games were also scheduled for the Lynn rink. Despite the extremely unfavorable practice conditions, Coach Ben Martin molded his team into a reasonably efficient outfit that turned in some good games.

At the end of the year, forward to pace the Tech scorers. The pre-John F. Wells '54 had tallied 33 points previous season the high scorer had only seven points. Co-Captain Turgeon was given honorable mention on the all-New England team.

Losing only three men, Turgeon, Co-Captain Richard S. Strzelecki '53, and E. J. Kirkpatrick Jr. '53, the Beavers promise to be even stronger next year. In addition to the returning

lettermen, they will be bolstered by a strong freshman team. If early morning practice don't discourage them, next year's sextet should prove even better.

### WRESTLING

Turning to the wrestling mat, the Beaver matmen had their most successful season since wrestling was reinstated after the war. The grapplers won three of their seven intercollegiate matches, and placed a strong sixth in the New England championships. Heavyweight Charles F. Seymour '53 captured the New England championship and finished the season undefeated.

Under the able coaching of Sinclair Buckstaff, last year's varsity captain, several of the matmen turned in excellent records. Chuck Seymour was the outstanding wrestler, winning every match and pinning all but two of his opponents. Richard A. Landy '53, at 177, was undefeated, but an injury kept him out of the last few matches and the intercollegiate. John T. Kennaday '55, who wrestled at both 130 and 137 during the season, lost but once during the regular season and placed third in the New Englands.

Jack D. Graef '54 finished fast and took a third in the New Englands. Lawrence J. Berman '55 also showed

(Continued on Page 5)

## Council Discusses Intramural Sports

The Intramural Council met last Tuesday in order to discuss, and possibly revise various parts of the intramural sports program.

The first main subject to be brought up was the alarming lack of good officia in intramural games, especially in football and basketball. A suggestion, that there might be only about ten officials to cover the games, in each sport, and that these be paid, was raised. Officials would be chosen on their ability to referee only, not on their financial need of the pay involved. Even though opinions on this idea were divided, it was generally agreed that something had to be done concerning officials. Therefore, a sub-committee was organized, which is to report at the next meeting.

Another issue, attached by the representative from the Graduate House, involved the restriction of letter men from participating in intermural. It was argued, that just these men, not allowed to compete, would deprive most from the sports program. On the other hand, it was suggested that the usage of letter men would create teams far too powerful. The Graduate House, for instance, with probably the greatest depth in varsity men, would be practically invincible, and would constantly win the trophies. The reply to this stated that it would be better to have lettermen participate in Graduate House teams, which there would not be contenders for any trophies, than to suppress a class of students from intramurals. This system works well in various other colleges. A subcommittee is now studying the issue.

Further topics to be mentioned were tournament table tennis rules, tardiness of managers in sending out material, and other items.

## Five Teams Enter Volleyball Playoffs As Season Closes

Regular season Volleyball ended this Thursday, March 12, with five teams undefeated in their respective leagues.

In League I the East Campus team which was undefeated in the regular season of play last year lost out to a strong Phi Kappa Sigma team which was undefeated in five games.

League II's pre-season favorite Sigma Chi, came through the regular season with out losing a game and is expected to make a strong showing in the playoffs.

In League III, the pre-season favorite and last year's school Chamion, a fast close match with Alpha Tau Omega, who went on to win that league. This ATO team will be the favorite in the playoffs.

A strong Grad House "A" team came through League IV undefeated and promises to be a strong contender in the playoffs. Several members of this team were on the "Huskies" team of last year which finished up that season as runner up for the school championship.

Phi Delta Theta had little trouble winning in League V this season, and could very well prove the dark horse in the playoffs.

Volleyball league playoffs last Wednesday saw four undefeated, untied teams from four of the five leagues compete for top honors in the first round.

Sigma Chi, winners from League II, had little trouble with the League I champs, Phi Kappa Sigma, whipped them in two games 15-7, 15-6. Phi Delta Theta of League V, on the other hand, ran into some trouble before settling down and trouncing Alpha Tau Omega, 13-15, 15-5, 15-8. The Graduate House "A" Team was idle.

## Engineer Relayman In Cleveland Meet

It will be homecoming for the crack Massachusetts Institute of Technology 2-mile relay team which will compete in the coming Cleveland K. of C. games. Among the five candidates for the four relay positions are three Ohioans: Harry Schreiber of Columbus, Wilson Rownd of Canton, and Bob O'Donnell of Lakewood.

This Ohio track trio has joined with either George Grenier of Hartford, Conn., or John Farquhar of Mountain Lakes, N. J., to run the two miles in wins over both Harvard and Yale. In the recent B.A.A. game the Engineers ran their best time of 7:59.2 while defeating Boston University and Holy Cross.

Further playoff games will be played on Thursday, March 19, and on Tuesday, Wednesday and Thursday of the following week at the Armory at 5:15 P.M.

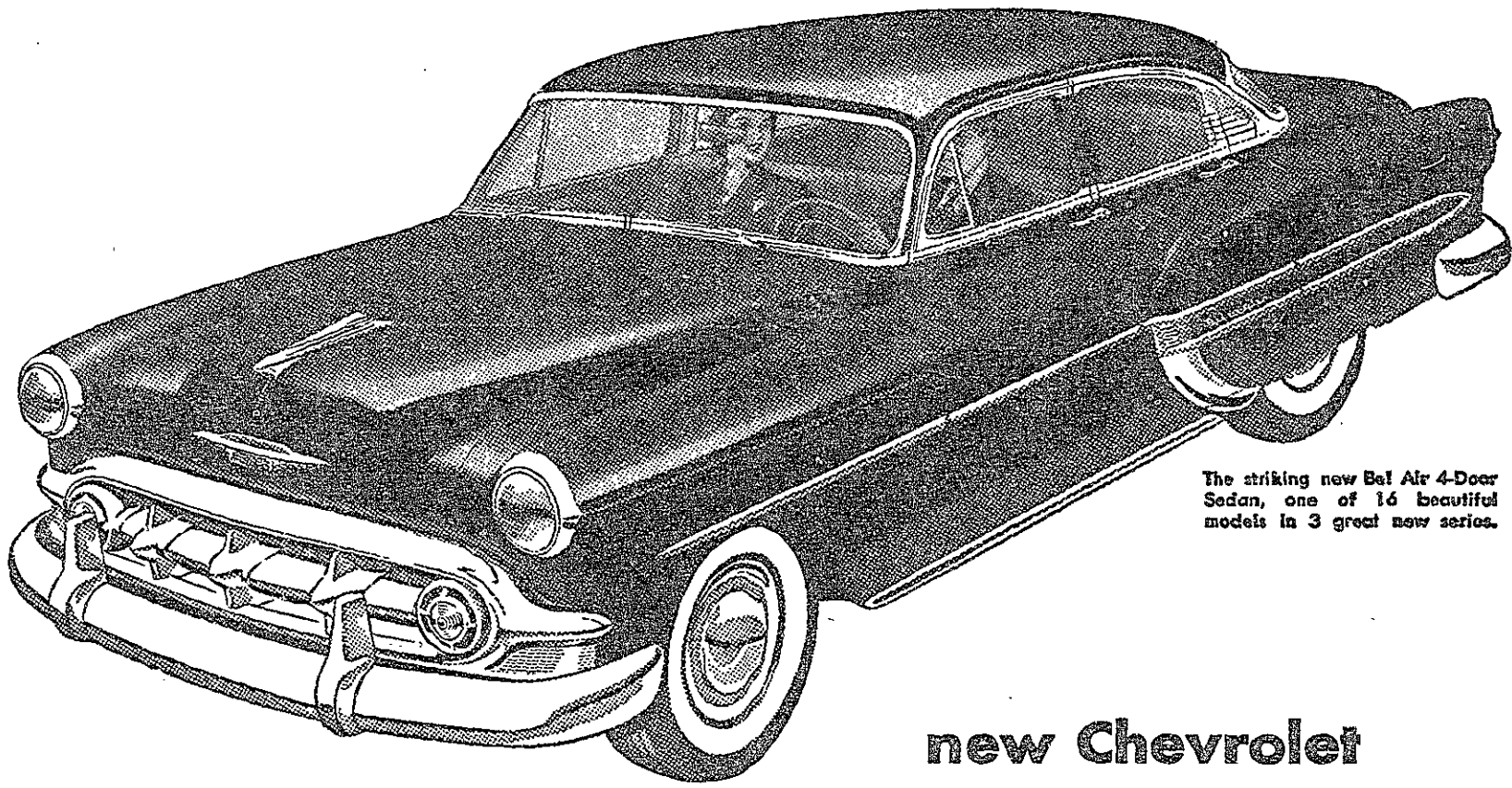
FINAL LEAGUE STANDINGS	
LEAGUE I	
1	Phi Kappa Sigma
2	Theta Chi
3	Phi Sigma Kappa
4	Student House
5	East Campus
6	Lambda Chi
LEAGUE II	
1	Sigma Chi
2	Beta Theta Pi
3	Theta Xi
4	Phi Mu Delta
5	Delta Tau Delta
6	Phi Beta Epsilon
LEAGUE III	
1	Alpha Tau Omega
2	Sigma Alpha Epsilon
3	Kappa Sigma
4	Phi Kappa
5	Baker House "B"
6	Delta Psi
LEAGUE IV	
1	Grad. House "A"
2	Phi Gamma Delta
3	Alpha Epsilon Pi
4	Baker House "A"
5	Sigma Phi Epsilon
6	Catholic Club
LEAGUE V	
1	Phi Delta Theta
2	Delta Kappa Epsilon
3	Grad. House "B"
4	Walker Staff
5	Sigma Nu

## Den Hartog Lecture

(Continued from page 1)  
Next Sunday's lecture is the concluding one in this year's winter series of popular science lectures under the auspices of the Society of Arts at the Institute. Tickets may be obtained without charge by enclosing a stamped, addressed envelope for each separate request to the Institute Society of Arts.

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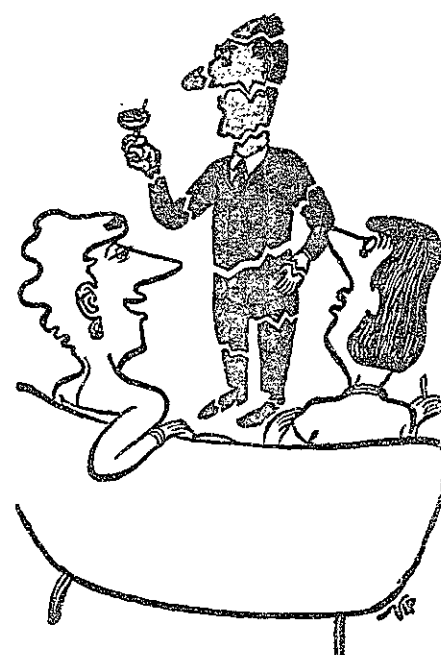
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## S. I. T. Takes Victory From Fencing Team

Led by Walter J. Duffin '53, captain of the fencing team, M.I.T. came to a close victory as Stevens edged out the Institute by a score of 14-13. The match, scheduled to be played at Stevens Tech was held at the home of the Beavers giving Techmen a chance to see the skill of the Cardinal and Grey foilers.

All attending the contest vouch for the excitement and interest of the duel. The Sabre team got off to a hot start as Duffin, '55, and Truppi '53 all won their individual contests by a score of 2-1 giving the Institute six wins out of nine.

At this point all felt Technology had victory in it's grasp, but the defeat of the Foil team gave Stevens a chance for the win. Davenport '54 got the Foilers off by continuing the scores of Sabremen and winning his match 2-1. However, now, as confidence ran high among Techmen, Framan '55 took a 3-0 loss and Togasaki '55 took a 2-1 loss. The tension was mounting as the total score stood still at 9-9.

As the Epeemen took over for their match, New England Champion Edward T. Brandt Jr. '54 won his duel three love and Steven had dim hopes. Their hopes, though dim were soon realized as M.I.T.'s Ohlund '53 took a 2-1 loss and Ofengang '54 lost 3-0 completing the tournament and giving Stevens the win with the final score 14-13.

## Plans Announced For AFROTC Camp

Objectives for the AFROTC Summer camp program, affecting all advanced Corp Cadets sometime in their junior or senior years, have been released by AFROTC Headquarters. Sixty one Air Force Bases throughout the United States are now preparing for this largest crop of cadets in the AFROTC's history. Many students are ordinarily sent to camps near their own colleges, but because of the geographical location of the camps, with about half of the bases in the South, an overflow of approximately 2,000 students from the New England area will be sent to Southern camps.

Cadets will have their first taste of military life beginning with a 16-hour processing and orientation period in which the students will be issued uniforms and given a complete medical examination the first day of camp. During encampment, Cadets will be given the same status regarding accommodations, privileges, and social aspects as West Point Cadets

(Continued on page 6)

## Milwaukee Takes Braves Franchise; No NL Ball Here

Much to the chagrin of the many Institute students who are National League fans, the Boston Braves are no longer. The club owners voted unanimously in favor of Lou Perini's proposal to move the team to Milwaukee. Its Budding Engineers will no longer be able to see such stars as Ralph Kiner, Robin Roberts, Stan Musial, and Jackie Robinson in action.

The Boston Braves were a charter member of the National league and have been in the Hub for over 75 years. However, attendance has declined since the Braves copped the pennant in 1948, and last year was a disastrous one. Only twice during the entire season did more than ten-thousand fans watch the Braves. Perini feels that the Wisconsin city will give more support to his team than the Massachusetts capital, and announced his intention to move the team last weekend. The proposal was accepted on Wednesday. Thus one of Boston's institutions passes from the scene. The Braves have long been a favorite with Institute students because of the great abundance of night games on their schedule. All true National League fans in captivity at M.I.T. mourn the passing of the Warriors from the Boston scene.

## Sophs Favored To Take Honors In Interclass Meet

One of the oldest athletic events on the Institute scene is the annual Indoor Interclass Meet which features an intense rivalry among all four classes. First initiated in 1925, this meet has experienced twenty-seven consecutive years of competition uninterrupted by war, fire, or what have you. The twenty-eighth edition of this meet promises to be as hard fought as the others. Interclass Meet records are expected to fall in several events. The Sophomores are a likely choice for team honors though they may be hard pressed by the freshmen. The upperclasses will be affected by the loss of Bob O'Donnell, Harry Schreiber, John Farquhar, and George Grenier who are running in the two mile relay tonight at the Cleveland Knights of Columbus Meet.

### Records May Fall

John Morefield '56 is a good bet to break Jack Adams 35 lb. weight throw mark of 46' 7" on the basis of his 47' 9 1/4" effort of last week. John is also the choice in the shot put, the event in which he finished second in the National Prep School Championships last year. Warren Lattof '55 should establish a new record in the 45 yard high hurdles. The record of 6.0 seconds has been bettered consistently by Lattof this season with his 5.8 and 5.9 performances. John Serries mile time of 4:30.9 which has eluded many fleet-footed runners for a good number of years may not last if Hugh Nutley runs true to form tomorrow.

### Present Records

Last year four new marks were made. If the weather is good, the record books may have to be rewritten to accommodate a like number this year. The events and records are listed below.

50 yard dash	:05.5
300 yard run	:32.8

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## New England Champ Seymour Stars For Engineer Grapplers

Charles Fredrick Seymour, 21, a senior in Course II-B, is one of Tech's outstanding sports figures of the Winter term. A heavyweight wrestler for the engineer matmen, Chuck, completed his fourth season last week by winning the championship in his weight class in the New England regional wrestling meet held at Williams.

He was the only Tech entry to gain the winners' circle, though Jack Kennaday '55 and Jack Graef '54 took consolation 3rds.

Chuck pinned three men in the New Englands, including the finalist, Al Sotir of Springfield, whom he decided last week in the last meet of the regular Engineer season.

Hailing from Belle Verin, Penna., Seymour came to Tech by way of Shadyside Academy in Pittsburgh. He wrestled in the 165 lb. weight class for Shadyside, emerging with what he described as "not too shary a record". His first year at the Institute he started at 175 lb., and stepped up to heavyweight when our heavy entry dropped out in mid-season. Chuck gave early promise of a fine record for the Engineer matmen, achieving an undefeated record and the championship in the New Englands.

During Seymour's Sophomore and Junior years, we wrestled at 177 and heavy, but lost the better part of his junior season when he went out on co-op the second term.

A member of Phi Delta Theta fraternity, Chuck had nothing but praise for the coaching received by this



Chuck Seymour

year's team and for the M.I.T. in general. "It's a swell chance to meet people", he said. "I guess that half the people I've met, I ran into in some phase of sports."

PLACEMENT		
Date	Location	Notice No.
23 March	Ducyous-Eric Company	3327
23	Chase Aircraft Company	3327
23	Combustion Engineering-Superheater, Inc.	3327
23	The Johns Hopkins University "Sealast"	3327
23	Supplee-Wills-Jones Milk Co.	3327
23	Scovill Manufacturing Co.	3327
23	The Texas Co.	3327
23	Thieblot Aircraft Co., Inc.	3327
23	Underwood Corp.	3327
24	Abraham & Straus	3327
24	Jones & Laughlin Steel Corp.	3327
24	Nash-Kelvinator Corp.	3327
24	Newport News Shipbuilding and Dry Dock Co.	3327
24	Package Machinery Co.	3327
24	Photoswitch Inc.	3327
24	Pittsburgh Consolidated Coal Co.	3327
24	United States Atomic Energy Commission	3327

## Beaver Barks

(Continued from Page 4)

promise during the season. Berman, Kennaday and Graef should be the mainstay of the team next year.

The other weight classes did not show much, and although Captain Robert W. Ebeling jr. '53 looked good, he ran into some tough opposition.

The freshman team produced three men who took seconds in the New Englands, Harold Becker, 167, Walter Lawson, 147, and John Hirschi, 157. All three of them will make strong bids for varsity berths next season.

Chuck Seymour's departure will hurt, of course, as will the loss of Landy and Ebeling. Seymour was undefeated at the Institute for four years, and is perhaps the finest wrestler ever to wear the Cardinal and Grey. Still, with some good lightweights returning, the matmen could well better their mark next year.

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# Inscomm Heads Meet With UBB

At a meeting of the Undergraduate Budget Board last week, the following topics were discussed by the members of the Board and Dean L. Jacoby '54 and Marion G. Manderson '53, new and outgoing presidents of the Institute Committee, respectively.

No decision was reached on a proposed appropriation to the M.I.T.A.A. for new uniforms and equipment. The problem was tabled for further study.

Also discussed was the question of whether or not the Institute should return to the old system of a student tax for activities. The Board decided that no change should be made at present.

The committee came to no final agreement on the question of whether or not funds for the Dormitory Committee, which come out of students' rent, should pass through the hands of the Finance Committee.

The Undergraduate Budget Board is composed of Malcolm G. Kispert, Executive Assistant to the President, who is its chairman; Professors Raymond D. Douglass, Thomas M. Hill, Charles A. Myers, D. L. Rhind, Bursar; Ralph C. Jope, Director of the Development Office; Dean of Students, E. Francis Bowditch.

## Inscomm

(Continued from Page 1)

eligible. The two men were therefore approved temporarily by Institute Committee, until the matter can be resolved.

The motion concerning announcement of election results reads, "that Institute Committee, through the executive committee, make all Class Elections results available immediately following the counting of votes by the Elections Committee to be known as unofficial results; That after the class elections have been approved by Institute Committee, the detailed results shall be made available to all candidates entered in such elections and to other interested persons."

The list of room changes proposed by the Secretariat and approved by Institute Committee follow.

Tech Model Aircrafters: From 19-012 to 18-008. For some time the Tech Model Aircrafters and the Glider club have been sharing one office; much confusion and loss of material has resulted.

National Student Association: From 50-010 to 50-307. The N. S. A. in connection with the Foreign Student Summer Project which has expanded greatly within the last two years has also needed more office space.

Tau Beta Phi and the Debating Society: From 50-320 to 50-009. These two clubs have been sharing an office with the religious clubs on the third floor. This move, which although going into a smaller office, will give them more space per activity. THE TECH will be able to use this room, their former office on makeup nights.

Walker Student Staff: To 50-010. The staff has needed room for student lockers and for a place for them to change. This room in the basement should be adequate for that purpose.

Public Relations Committee: From 50-307 to 50-302. Since the P. R. C. had more space than actually needed, this committee has been moved to a room formerly occupied by the Musical Clubs.

Catholic Club, Christian Science Organization, and Hillel Foundation: To Room 50-301. The Catholic Club and the Hillel Foundation previously shared an overcrowded office with the Debating Society and Tau Beta Pi. This move will enable them to have larger office space, and for the Christian Science Organization to have space for the first time.

Lecture Series Committee: From 18-008 to 50-320. This move will enable the Tech Model Aircrafters to remain in Building 18 which is suitable for hobby groups. The office the L. S. C. will occupy is approximately the same size as their former one.

Musical Clubs: From 50-302 to 50-304 retaining 50-301. The Musical Clubs needs both office space and storage space. Room 50-304 will be used for storage by the Musical Clubs and the Baton Society.

## Air Force Camp

(Continued from Page 5) insofar as base facilities will permit.

The emphasis of the 188-hour training program in camp will be upon orientating the students toward a better understanding of the aircraft, and its place in the Air Force mission. Aircrew and Aircraft Indoctrination Training will occupy more time than any other block of training, with instruction in drill, voice and exercise of command running a close second. Orientation flights in various types of military aircraft, aircraft inspection, aircraft equipment, navigation techniques, and flight planning are some of the aspects of Aircraft Indoctrination.

Other sections of the training program will include: Weapons and Marksmanship, Physical Training, Officer Orientation Seminars, Organization and Functions of an Air Base, and a Chaplain Orientation Period.

### HILLEL ELECTIONS

Elections for the new officers of the M.I.T. Chapter of Hillel will be held Sunday, March 22 at 11:45 a.m. in the Moore Room, 6-321. Preceding the elections, at 10:15 a.m., will be a brunch with Simmons and other neighboring colleges.

## Students Take Part In Successful Drive To Help Red Cross

On Monday evening Institute students joined forces with students of other neighboring colleges in a new experiment in community service. About three hundred students took part in a Students' March to aid the Greater Boston Red Cross Drive. Their purpose was to enlist solicitors in areas of Boston where Red Cross local organization is weakest.

Teams were organized at the John Hancock Building and transported in special buses and cars to designated assembly points from which the student teams set out on a house to house campaign. Most of the teams consisted of a boy and a girl, working together. A total of more than 1500 solicitors were obtained during the three hour drive. A social hour in the Dorothy Quincy Suite in the John Hancock Building followed the participants' return from the successful march.

## Companies Find Much Competit'n In Efforts To Secure Graduates

Recent reports indicate a report made early this year by the National Industrial Conference Board after surveying 195 companies was very accurate in predicting the demand for college graduates. The Board described 1953 placement in industry as a "mad scramble" more hectic than that of last year.

Many seniors at the Institute have "signed away" the next few years by taking advanced ROTC. Because they do not anticipate employment in industry for a while, they do not bother with the minutes required for interviews. Some jobs offer draft deferment because of their necessity for defense.

### Deferred Offers

It has been pointed out previously by THE TECH that many companies are interviewing for prospective employees now or in the future. Companies come prepared to make offers that are effective after the years spent in uniform.

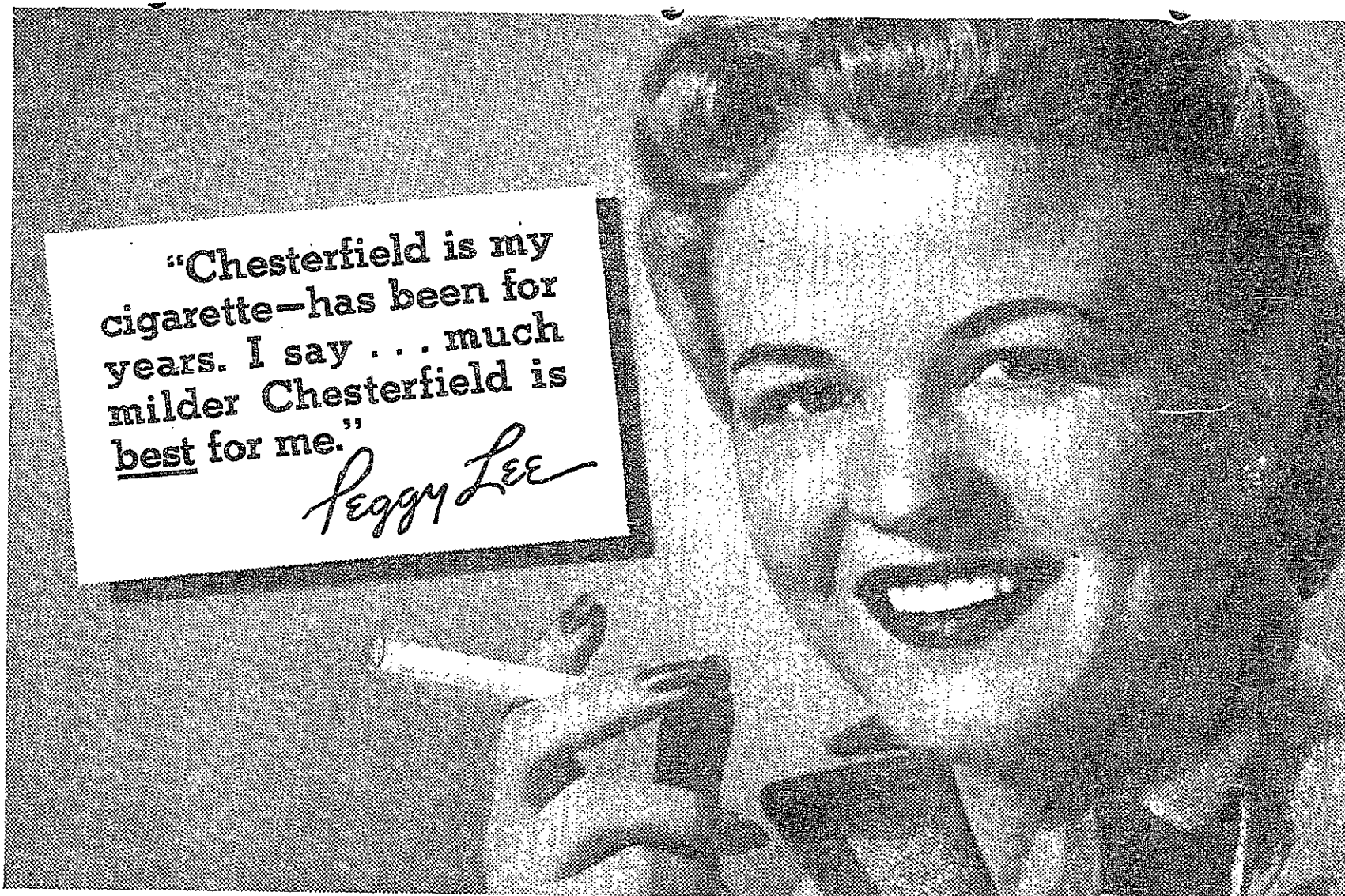
Small companies and companies less well known are particularly hard hit

at the Institute. Some companies have only eight or 10 students interested in interviews when the individual representing the company could handle thirty or forty.

Those companies desiring students from small courses at the Institute find that the majority have already received offers better than that they can give. The top offer is frequently made by the company employing the student during his junior-senior summer vacation.

Most large companies have now adopted summer training programs for undergraduates so they can get first chance with a few select men. If the initiate proves successful the company posts an inviting offer and very likely secures a good man it would otherwise have had to compete for on equal terms with other companies.

This plan to avoid competition also serves the company since it determines in one summer the desirability of the employee and affords easy dismissal of the undesirable.

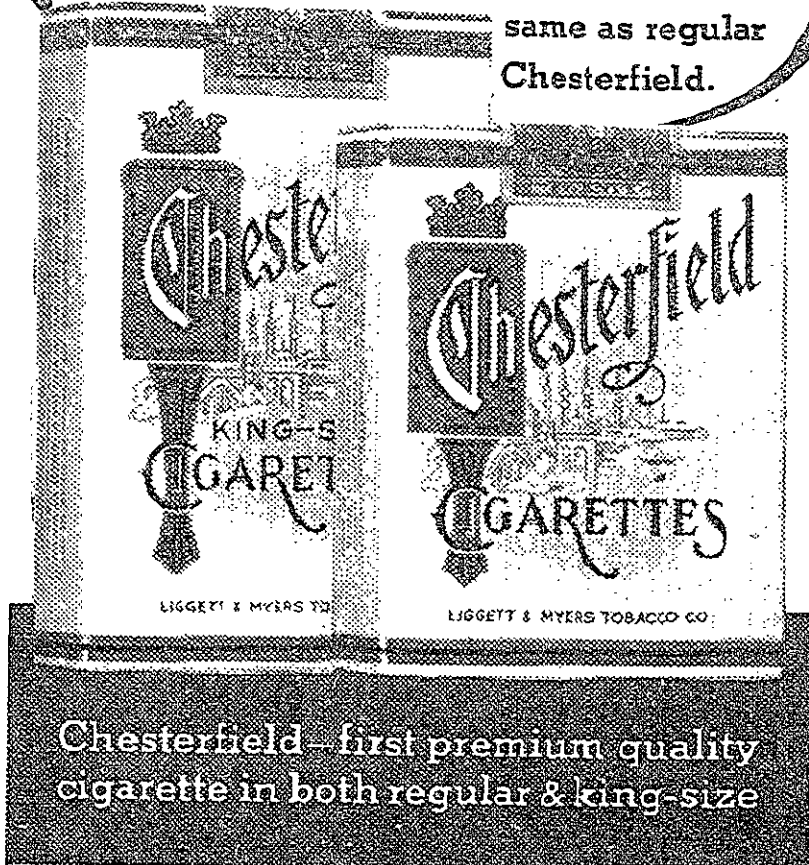


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