Inscorn Discuss Student Union & Cost Of Walker

Inscorn finally approved the completed Student Union report and meets to support the Student Union meeting. Submitted by David Brooks '54 for the Student Union in September, the report explains the need for and suggests space allocations in the proposed building, and lists recommendations for future inscorn action. John Sullivan '54, the current president, investigated the financial report. Walker will be ready on October 14, 1954. Walker will be available at $7,500 per evening if the renting activity provides a minimum of five nights to assist the reduced Walker cost. Mr. Sullivan requested that the quota subsidity funds from the inscorn sufficient to reduce Walker. After meeting with Nolan Jones of the Graduate Council, inscorn realized a motion calling for a study group of inscorn representatives.

President Kilian Extends A Welcome To Institute Guests

It gives me much pleasure to welcome to M.I.T. all those who have come to participate in this Annual Open House.

In its Schools of Science, Engineering, Architectures, Humanities, and Environmental Management, M.I.T. has closely associated with many of the great developments of our age. We hope that the exhibits which you will see here and which will be presented to you for you to become better acquainted with the many ways in which an educational institution such as M.I.T. is serving the nation and its processes. We hope that you will enjoy being on our campus; we are delighted to have you here.

Yours cordially,
President

Next Wednesday Is Military Day At The Institute

Military Day will be observed next week with an N.A.T.O. and R.O.C.T. units at the Institute. Activations and religious organizations will be associated with many of the Institute and two men from Harvard. WMIT is planning on broadcasting the final speech of the Governing Board, which will be delivered at M.I.T. at 5:00 p.m. on Sunday, May 16, at 8:00 p.m. in Room 2-102. Students will have a completely assemled blocks of readying on display in front of Building 33, and the Tech Model Railroads, their smaller scale counterparts, will demonstrate some flying models in Walker Gymnasium. Model trains will be exhibited in two places by the Tech Model Railroad Club, which has its main exhibit in Room 2-102-103, smaller exhibits in 2-104-105.

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Yours cordially,
President

Burton Co- Rooms Not To Be In Separate Group

Burton House Committee in its meeting this week defeated by a vote of 6 to 7 motions that the Cooper- tional section of the dormitory be composed separately from the rest of the House with respect to the assignment of rooms. Of the noncommercial station, as well as the ways we can see our attraction, the committee is not expect- ed to arrive at any specific conclusions until September. The proposed station is to be used for the study of the in- dustrial development, use, and operation of the station, as well as the ways we can see our attraction. The committee is not expected to arrive at any specific conclusions until September. The proposed station is to be used for the study of the in- dustrial development, use, and operation of the station, as well as the ways we can see our attraction. The committee is not expected to arrive at any specific conclusions until September. The proposed station is to be used for the study of the in- dustrial development, use, and operation of the station, as well as the ways we can see our attraction. The committee is not expected to arrive at any specific conclusions until September. The proposed station is to be used for the study of the in- dustrial development, use, and operation of the station, as well as the ways we can see our attraction. The committee is not expected to arrive at any specific conclusions until September. The proposed station is to be used for the study of the in-
EDITORIAL

OPEN HOUSE 1954

With no little pride in its task, The Tech once again takes pleasure in representing the faculty and student body of the Massachusetts Institute of Technology in welcoming its guests. This year's Open House, exploring both the scholastic and the extracurricular side of Institute life, will be shown.

The purpose of this Open House is threefold. First of all, the Institute, its faculty and students, are submitting themselves to the inspection and judgment of recent years. M.I.T. has become very closely associated with many of the great developments of our age. Some of the most important changes in the history of mankind of which we have already had far-reaching effects on the human race—will be shown at this Open House.

As has been mentioned in the past by President Killian, M.I.T. is now developing into a new kind of university. This university is, in a way, the first in this nation—English college, but rather than emphasizing "classical" education, the Institute is built upon the sciences. While M.I.T. takes no less interest in the humanities, and in the individual than any other institution, this Institute is now developing into a sort of university. This university will be an instrument of change, and will be held to our country free and strong; to keep our country between the upsetting interruptions of the Communists' interest—we won't have any secrets worth keeping. Our country's an instrument which will be held to our country free and strong; to keep the evils of "straight-jacket" system.

I believe that the best way to keep our country free and strong; to keep the evils of "straight-jacket" system.

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Departmental Activities Planned For Open House

Civil Engineering
The central exhibit in Civil and Sanitary Engineering, in Rooms 4-402, includes exhibits illustrating the activities of the individual laboratories which will be in operation throughout Open House. The photograph laboratory, 4-330, displays methods of obtaining surveying and engineering information from aerial photographs, with demonstrations of equipment which enables the master to transfer the detail from photographs to maps.

Civil Engineering

Mechanical Engineering
Most of the Mechanical Engineering exhibits will be on the ground floor of building 8. However, since most of the equipment is too intricate to move, there will also be large exhibits in buildings 4 and 5.

The Machine Tool Laboratory in building 42, demonstration tests are being shown to determine the strength of soils subjected to high loads applied investigation, ranging in facilities of microbiological chemistry to illustrate dynamic, vibrational, and acoustical experiments.

Metallurgy

Engine Museum
The Sloan Automotive Laboratory, located in building 21, will exhibit a在 the Department of Mechanical Engineering will be given on a session entitled "Chemical Ragtime." It will be presented in room 399 at 3:30 on Sunday, at 1:30 and 3:30 at 5:00 in room 4-103.

Chemistry

Design Exhibits
Exhibits contributed by other divisions of the Department of Mechanical Engineering will be on the first floor of building 3. Creative projects and exhibits of the division of Machine Design will be presented. Dynamic design of machines and control of machines and analysis of computer simulation to study and simulate actual conditions which may be encountered in laboratory, mechanical properties of fibrous materials and the applications of polarized light for studying them will be shown by the textile division.

Mechanical Engineering

Electrical Engineering

Cancer therapy and stroboscopic photography are just two themes for exhibits by the Electrical Engineering Department. They are presenting many varied displays, demonstrations, and lectures which should be of general interest to everyone attending Open House.

High-fidelity audio equipment, much of it student-made, is being demonstrated in room 4-402. Here is an opportunity to see how some students spend their spare hours. Several different laboratories are showing what Electrical Engineering students are doing during class hours. Machine and servomechanism demonstrations will run all day in the Machinery Laboratory, 10-150. Demonstrations of speakers and microphones will be shown in room 4-100, while demonstrations of experiments are given on 4-402, 4-405, and 4-410.

Santhia Rebhle
Professor Herschel Lazard's stroboscopic photography will be the subject of a lecture in room 10-273, while exhibits of strobe equipment and pictures may be found in 10-150. The visitor may take high-speed flash pictures with his own camera in 4-103, if his camera can take time exposures. Many of the research laboratories are presenting exhibits and demonstrations. The Research Laboratory of Electronics and the Dynamic Analysis and Control Laboratory are both open in room 10-273. Also in this building, the Acoustics laboratory and the Food and Nutrition laboratory are set to demonstrate their equipment to the students engaged in the Lecture Courses.

Biology

During Open House the newly installed operating laboratories of the Department of Biology in the Sherman Building will be on display to the general public. These exhibits will consist of a variety of exhibits and demonstrations. A special exhibit will be given on the current research and research in this Department in the areas of fundamental modern biology and biochemistry.

Many of the exhibits will include visits to the laboratories of biophysical chemistry which contain various equipment including the ultracentrifuge for studying the nature of proteins. The laboratories of nuclear chemistry will demonstrate the inherent characteristics of this type of research. The methods for the cultivation of animal tissues in test tubes will also be demonstrated.

Theater Shows
The electron microscope will be the scene of several of our chemical laboratories (4-037 and 1-334) with exhibits in buildings 35 and 31. These exhibits will include demonstrations dealing with thermodynamics, heat transfer, heat engines, the properties of engineering materials, the testing of engineering materials, and experimental stress analysis. Applied mechanics will be represented by a display of working models designed to illustrate dynamic, vibrational, and acoustical experiences.

Medical Physics

This afternoon, at 1:30, 3:30 and 5:30 also in this building, the Acoustics laboratory and the Food and Nutrition laboratory will be set up to demonstrate their equipment to the students engaged in the Lecture Courses. All the exhibits include opportunities for the spectators to learn about the equipment and how it is used.

Many of the exhibits will include visits to the laboratories of biophysical chemistry which contain various equipment including the ultracentrifuge for studying the nature of proteins. The laboratories of nuclear chemistry will demonstrate the inherent characteristics of this type of research. The methods for the cultivation of animal tissues in test tubes will also be demonstrated.

Physiology

Every college man will be 'Mr. Formal' in an Orlon

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Stays crisp and fresh forever. "Orlon-rayon / blend marvel just won't wrinkle (even in the rain) Exclusive 'Seam Shy' finish."

See your Local Aftier Six Dealer

(Continued on page 3)
The approval by Inscas of the committee and the allocation of activity space social and economic aspects of industrial wastes. The committee for another year, Inscas has found the need for the community for such a committee, which will solve the "fiscal point of campus life". For the first time, the Undergraduate Committee asked to support the committee in all their efforts, and in the spring of a Student Union Building closer to realization?"

The Report of the Student Union committee contains seven sections. These include (1) an extension to the reasons behind the necessity for such a unit, and functions it is hoped the center would serve for the campus. The document for the Chemical Engineering

(Continued from page 4)

an apparatus including a large dome in order to obtain fundamental information about the combustion process. Nitrogen, oxygen, and carbon dioxide will be utilized in a stabilization, a technique necessary in jet engines for proper mixing of gases passing through at high velocity. The experiments to be made in the chemical engineering lab will be the operation of a pulse jet engine.

Oil Operations

Plutonic oil being used in current research will be shown. The bubbling bed is a method of separating fine droplets in a medium of a fluid, and finds great use in the oil refining industry. A bubble cap plate from a distilling column will also be demonstrated.

The transformation of solid ground from mud, otherwise known as soil stabilization, will be the topic of the Soil Stabilization Laboratory. This demonstration will show the effects of mixing various amounts of various chemicals on soil to produce hardcrust or alter water permeability. Mud plains will be made and tested for all interested parties.

The type of research problems tackled by undergraduates may be seen in the Marine Engineering Laboratory. Problem includes work on low-speed models, and the studies of industrial wastes. Thesis apparatus required will be shown in operation.

A scale model of the reactor at the Brookhaven National Laboratory will also be demonstrated. Lectures and demonstrations will be given periodically.

Marine Engineering

Naval Architecture

The Department of Naval Architecture and Marine Engineering.

1. At the Burt Mansfield Hall located at the entrance to Building 8. Here the history of ship design and style is presented by one of the best collections of ship models in the country. The model range from the "Viking" ship and steam is presented by one of the best collections of ship models in the country. The model range from the "Viking" ship to the modern research ships. The display is for interpretation only. The students are encouraged to interpret the models and make explanations on the models. There are large, small, and plastic "Victory Ship" models, and other ship models will be on display.

2. At the "Propeller Tunnel" in Room 8-217. The model of the water tunnel is used to observe a model of a ship or an object fixed in a water tunnel and observe its motions, wake, and vortices. It is used to simulate conditions that would be experienced in the open sea. This apparatus is equipped with a smoke machine, temperature, and other equipment for the smooth flow of new and current students, the staff, and the public.

THE FIRST CHURCH OF CHRIST, SCIENTIST

THE MOTHER CHURCH

FALMOUTH, NEW BEDFORD, BOSTON

MAY 7, 1954

THE Tech

Student Union Committee Submits Completed Reports

The approval by Inscas at its meeting Wednesday of the completed Student Union Building report, sets the stage for further progress on the project.

The preliminary plans for the building were presented by the committee last month, and the approval was a positive step forward in the progress of this project.

The committee's report is based on the need for a large facility to house the administration of the Student Union Building, which will serve as a focal point of campus life. For the first time, the Undergraduate Committee asked to support the committee in all their efforts, and in the spring of a Student Union Building closer to realization?"
Pershing Rifles Initiates Pledges On Monday Night

Thirty men from the Institute's Pershing Rifle Company C participated in a Regional Drill Meet last Saturday in New York City. The group took third place in competition with similar groups from 16 other universities from the New England area.

Future activities of this Company include marching as a unit on Military Day next Wednesday, and the initiation of nineteen new members on Monday Night. The Company, all of whom are freshmen, have successfully completed a six-week pledge program and will increase the total membership to 27. Men to be initiated are: David A. Appleton, Ralph E. Batera, Giles F. Breslin, Franklin R. H. Chinn, Robert D. Delaney, Gilbert G. Fyfe, John W. Harrington, William J. Joes, Richard M. Hirska, Leonard A. Johnson, Carl F. Keller, Deane H. Khosla, Norman C. Lerner, David J. Ross, W. Peter Schindler, Norman C. E. Signorelli, Peter W. Stan, Frank G. Talisman, and Ernest N. Wasserman.

The Tech tennis team came away with the victory over favored Brown University. Playing before a large spring house-party weekend crowd, the Beavers dropped the excellent play of the three M.I.T. singles.

Folks who drink for enjoyment prefer real beer!

Schaefer

The F. & M. Schaefer Brewing Co., New York

Tennis Team Wins Over B.U. Defeated By Favored Brown

Failures to win more than one single match cost the Tech netmen a victory over favored Brown University. Playing before a large spring house-party weekend crowd, the Beavers dropped the excellent play of the three M.I.T. singles.

Of course, they haven't changed! No one brand of beer can make you slim—or makes you fat—all by itself. The one big difference in beers today is flavor, and flavor about everything else. So don't be fooled by fancy claims about calories and such. Look for flavor—and drink the beer that's brewed for enjoyment—Schaefer.

Concert Band Will Play On Esplanade Sunday Afternoon

The second performance anywhere of an original march by an Institute composer will be a feature of this year's annual concert by the Concert Band in the Hatch Memorial Shell on the Esplanade this Sunday afternoon, May 15.

"Marche Baroque" by Andrew F. Kudlick 56, the Concert Band's symphonist, will be included in the program of the second half of the concert. Other works on the program include those of Gustav Holst, John Philip Sousa, Giovanni Higginbotham, and Claude Debussy.

The performance by this 50-piece band will begin at 2:30 p.m. on Sunday afternoon, under the baton of John Corliss. Sunday's concert marks the fifth year of this annual series of outdoor presentations at the Hatch Shell.

Thirty Are Named As Beaver Key New Members

Beaver Key Society has announced the election of new members. They are all sophomores who have contributed to athletics and activities at the Institute.

The list includes John Morefield, Jack Salerno, Paul O'Callagh, Gordon Bell, Tim Blood, John Hiroshi, Ben Lightfoot, and Gregory Lalame.

Included are Jack Markel, Bill Northcote, Dick Barse, Gay Schwartz, Alex Atkin, Byrnes Blanchare, Pete Kyle, John Hamlet, Martin Jacobs, and Steve Alpert.

Ray Smith, Charlie Bacon, Bob Blumberg, Adolph Hansen, Mike Tyn, J. D. Quinn, Quinn Seamen, Tom Comerford, and Don Palimans completed the roster.

The function of the Society is to play host to visiting athletic teams and promote athletics at the Institute.
Departments

(Continued from page 4) progressive leadership.

The Open House provides an opportunity to exhibit some of the latest materials, equipment, and techniques of construction in regard to building construction and by means of demonstrations and displays of class exercises it can be seen how the Course curriculum is adapted to this industry.

Varied Exhibits

More than 20 exhibits of materials, equipment, and methods of construction in connection with the dwelling house, will be accessible to visitors. Building Engineering and Construction Films on the steel erection for the U. N. building, gypsum, and "drywall" construction, will be shown in Room 5-232.

Concrete Tests

Numerous tests on cementitious media, including a display showing the equipment and techniques for prestressing concrete and the equipment used in a concrete laboratory will be set up in Room 5-014, along with a display of class exercises and problems related to materials and concrete design tests which will be performed hourly.

Exhibits on building construction course and future employment, as well as the organization and function of the only Junior Chapter of the Associated General Contractors of America, will be presented in Room 5-230.

Meteorology

The Open House exhibition sponsored by Meteorology students this year is intended to emphasize the breadth and depth of this science in order to give better balance to the common view of Meteorology, as identified with weather forecasting. The forecast problem does remain a central one, of course, and the routing of a weather forecast can be followed by this year's exhibits from receipt of the latest data on the data processing system, through the plotting and analysis of various charts, to the actual construction of a forecast. The application of high-speed computing machinery is also illustrated.

However, other exhibits show a very different sort of scientific activity, Applied, or industrial, meteorology, is new and a rapidly expanding field which plans work is being done at the Institute. Although relatively recent in development, radar is an accepted tool of research in various phases of meteorology, and Military may observe its operation. Both highly theoretical and highly practical aspects of the science are involved in the study of water, dust suspended in the air on cloud or fog. At the other end of the scale, world-wide patterns of weather development are reproduced in miniature in rotating-tank model experiments.

Certain problems are, of course, not amenable to laboratory treatment, and many of the above-mentioned films show these phenomena and their field investigations. Many of the above research efforts have received recent newspaper publicity, but Open House will give visitors an opportunity to see for themselves a cross-section of modern Meteorology as taught and studied at the Institute.

Food Technology

The Department of Food Technology at the Massachusetts Institute of Technology is located in the new "pyramidal" on the MIT Campus—the John Thompson Dormitory Building. In this building are housed the most modern facilities for training students to become skilled in the food, acts, and techniques of food technology. With this training they enter nurseries, the food industry as food technologists, and student of the Department, Topics of interest will include:

1. The feeding of America tomorrow

2. Frozen orange Juice

3. Photoelectric use of atomic energy

4. "Cold" sterilization with radioactive isotopes

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You can snooze under the starlit skies of the world famous Air Base in Hawaii. You can use your imagination to make a trip in a jet plane to the Orient. You can picture yourself lifting off for an adventure to the moon. You are one of the thousands who have dreamed of flying. And that dream is about to come true. In days gone by, young men in shining armor rode the jet and hand-soldiers. Now they have a real choice. You can be a member of the Air Force! You can be a member of the greatest fighting force in the world. You can wear the wings of Silver and ride the skies in Air Force Jets. You can wear the Wings of Silver and graduate as an Air Force Lieutenant in just twenty-one months! You can earn $3,500 a year. Your silver wings will mark you as one of the chosen few who ride the skies in Air Force jets.

As an Air Force pilot, your kingdom is space—a jet is your charger and your mission is the highest. You are a key defender of the American faith, with a guaranteed future both in military and peacetime employment. You can be a member of the greatest fighting force in the world and be an active citizen with a future in the United States. This offer is in the Air Force regulations, but it is not an official Air Force offer. To find out more about the United States Air Force, call the nearest Air Force recruiting office or send your name and address to:\n
1. United States Air Force

2. Office of Public Information

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4. Washington, D.C.

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