CAMBRIDGE, MASS.
FRIDAY, NOV. 30, 1951
PRICE FIVE CENTS
VOL. LXI NO. 46

THE OF THE M.T.I. UNDERGRADUATES

KOT Defect May Be Increased
The Air and Military Science departments have announced that there will be a change in the way that the quotas for the different departments are determined. The surveys are now being made for the next academic year, which is now enrolled in the basic course, and the results of these surveys will be used to determine the numbers of students required for the different departments.

Crystal Palace Exhibit Shown Here Till Dec. 14
The exhibit, Crystal Palace, in the lobby of building 29, is a companion piece to the Centennial Exhibition of the Smith College Museum of Art and M.T.I. to review the work of Joseph Paxton, designer of the palace, and of struc
tures that form the main edifice of the edifice as well as that of later. The exhibition is opened to the public.

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Light Up The Sky' Presentation Tonight And Saturday Night
"Light Up The Sky" is a presentation that will be held tonight and Saturday night in the Techie. The presentation will be held in building 29, and will be open to the public.

ROCKET ENGINEERS

E. C. House Comm. Discusses Explosions On Institute Grounds
There have been three explosions in the last week. One of the explosions was reported at the East Campus House Committee meeting last Wednesday. The committee was notified of the explosions by police, and shall confer with Mr. Oliver, who will select the committee in the next few weeks.

For the third year, students of the E. C. House Committee have worked in foreign countries, and all of them have reported that it was the most worthwhile experience they have ever had. The exchange works simply. The committee in the U.S. school obtains travel opportunities for summer employment from American firms. Similar committees are established in the foreign schools for the exchange of students with the United States.

Low-Cost Amplifier Developed At Tech

Student-Faculty Grievances Discussed By Institute Comm.

With the performance last night, already history, "Light Up the Sky"—just one of the efforts of the Staff Players and the Drama Group—will be present

The set, done by a Staff Player member—Agnes Hroc—transformed the lecture platform of 1935 not only into a theatre but also into the living room of a suite at the Boston Ritz, where the entire action of Miss Hart's lively comedy takes place.

An eleventh-hour change was necessitated by the illness of P. G. Whitaker, replaced by Bill Bishop. In the role of this play-within-a-play's director, Carleton Fitzgerald, Mr. Siebert has been seen in numerous Staff Player productions. The last of which was "Twelfth Night." Others in the cast of "Light Up the Sky" include Louise Licklider, Irene Livingston, Helen Rose as Rodina, Eleanor Reed as Frances, and Vill operate on 110-volts A.C.

The output of an electric oscillation high current needed as well as the (i.e. the returning of a fraction of a reasonable power output and will which will have a small distortion, high quality amplifier, which will, in the acoustical laboratory have

Developed At Tech

Low-Cost Amplifier Developed At Tech

High Fidelity

After more than five years' research, Mr. Frank M. Young and Mr. Royer Noble, research assistants in the experimental laboratory have just finished the construction of a high-quality amplifier, which will, for the first time, be available at the very low price of about $60 compared to the present price of $160.

The main problems were to construct an oscillator which would have a small distortion, a reasonable power output and will make the device portable. Many experiments were made to determine the power required, the high current needed as well as the voltage.

They constructed a class-A amplifier capable of handling high power, a large amount of sound into the output. They have a high efficiency power, and a large amount of sound into the output. They have a high efficiency power, and a large amount of sound into the output. They have a high efficiency power, and a large amount of sound into the output.

In some cases, some power output was used for and room for improvement for second year instruction at the Institute. The discussion which followed centered around the feeling that college instructors do not receive enough education in the arts of teaching, although they may have received training in their field. It was pointed out that many of the present instructors do not consider their jobs to be very important, and that they are not used to instruct current students. Some instructors have been working on improving their teaching methods, but some instructors have not been very effective in improving their teaching methods. The Freshman Council is advising freshmen to take their complaints to the heads of the departments concerned.

Open House Committee Begins Planning Now May 3 is Set As Date

May 3, 1952, a Saturday, is the date selected for the Institute's bi-annual Open House. The Robson Oliver Committee, has announced. At the same time the appointment, by the president's office, of an eight-man faculty advisory committee was made public. The president has recommended to the union members to keep the Open House Committee advised on the facilities and activities that will be available in each department.

Press has built up by crowds of five- figure proportions, waiting to see stroboscopic movies or the synchronization, to hear a WIMX radio conversation or abstract explanations of the not altogether pleasing apparatus or to hear explanations of the mathematical games or test themselves on a N.A. computer.

Professor Allan T. Gifford will chair the Committee of the Faculty Advisory Committee. It will be completed by Professors Theodore Wood, Jr., John A. Bennett, Paul S. Chalmers, and Burnham Kelly, and Mrs. Evelyn, K. Long, M. M. Petersen, and John J. Rowlands. They will hold their first meeting next Monday, December 3, 1951, in the Dean's office at four o'clock.

N.S.A. Committee to Run Student Exchange Program

For the third year, students of the E. C. House Committee have worked in foreign countries, and all of them have reported that it was the most worthwhile experience they have ever had. The exchange works simply. The committee in the U.S. school obtains travel opportunities for summer employment from American firms. Similar committees are established in the foreign schools for the exchange of students with the United States.

During the past two summers, some of the Exchange Technology Committee have worked in foreign countries, and all of them have reported that it was the most worthwhile experience they have ever had. The exchange works simply. The committee in the U.S. school obtains travel opportunities for summer employment from American firms. Similar committees are established in the foreign schools for the exchange of students with the United States.

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**Letters to the Editor**

**An Open Letter to the Undergraduate Body:**

I would like to take this opportunity to thank the students of M.I.T. for their sympathetic attitude in the recent financial drive of the T.C.A. which took place from November 1st through November 3rd. As of this day we are happy to tell you that our goal of $10,000 has been reached in cash and pledges. Needless to say 10% of this total will be channeled into the United Community Services.

There are two important messages which can be conveyed at this time. The first is that the organization started by students, carried on by students and supported in several ways by students. By that support, physical work, financial donation or written recommendation, the T.C.A. will endure only so long as that support is prevalent. I hope each and every one of you realize that we need your suggestions and criticisms—indeed, this type of support is your most valuable contribution to T.C.A. And so, I urge those of you who feel we are detestable as a service organization to express your resentment opinions to us.

Secondly, I should like to thank you for the attitude taken towards the present blood drive. Our donation sheets are filled to capacity and only so because the Tech community has realized the importance of an all-out effort on its part. The class of '29 and the class of '31 can tell you the significance or better yet, the true value of one pint of blood. The class of '31 may tell you the same story in more detail.

I hope that T.C.A. will be as kind to you as you have been generous to T.C.A.

Robert M. Oliver

**The Tech**

**FRIDAY, NOVEMBER 30, 1951**

**VOL. LXI NO. 45**

**MANAGING BOARD**

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Robert M. Oliver

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... whether we need it or not...
Technology Hoopsters Meet Harvard Saturday In Initial Game Of The '52 Season

With the official start of the Beaver's 1952 basketball campaign a day away, no word has come concerning the starting line-up to be used against Harvard University this Saturday. In all probability Mike Nacy, captain, and Hank Holsten, last year's ace rebound man and a real terror under the boards, as well as Bob Garthe and Tony Von Altstymph, all mainstays of last season's squad will start in the opener.

Two promising Sophomores, Jim Schmitt and Bernie Gittleman, (from last year's freshman squad) will probably be playing varsity ball.

A double blow was given to the squad with the loss of Herb Glantz and "Mandy" Manderson. Herb Glantz was high scorer during the previous season and "Mandy" Manderson, last year's ace rebound man, and a real terror under the boards, as well as Bob Garthe and Tony Von Altstymph, all mainstays of last season's squad will start in the opener.

The Technion are expecting a bit of trouble from Harvard tomorrow. The opponents are a fairly good court, but the Beaver's are a bit too bady this season. Last year's win column includes a 53-52 defeat over Columbia University by one point in the last minute of the game and a defeat of Trinity College on home court.

This being Ed Leeds first game as coach for the Cardinal and Grey, our best wishes of The Tech are extended for a successful season.

C. C. BANQUET

The annual Cross Country Banquet will be held next Wednesday evening at 7:15 p.m. at the Peabody Club, 518 Beacon St. Price for the meal, which is open to anyone interested, is $1.75.

On Labor Statistics

What is particularly needed now is a study of the labor market, which is for the most part a mystery to the average citizen. What is happening in industry is a mystery to the worker, who is sure of his job and of the benefits he receives.

The Handbook states that there are 10,000,000 foreign students to come here. The Handbook also mentions that the wages are adequate to cover the living expenses, but not enough to cover the transportation cost.

The IAESTE program of the NSA committee is now chaired by Ronald Walters, '52, and according to latest reports, he would like to see any interested students. He was in Argentina earlier this year to study the labor market and could give a first-hand view to those interested. What is needed most now is to have some students to help obtain opportunities for foreign students to come here. The NSA office in the basement of the student union is open all day, to take names and addresses.


Considerable new information on employment opportunities can be found in the latest edition of the International Outlook handbook published by the Bureau of Labor Statistics. The Handbook stated that there would be a continued shortage of elementary school teachers, engineers, scientists and college graduates trained in business administration. Copies of the handbook will soon be available in the library.

Personal copies of the handbook may be purchased from the Superintendent of Documents, Washington 25, D. C., for $1.00.

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**NOTICES**

**House Committee**

(Continued from Page 2) 

acordered over one-third of its refrigeration sales and Baker committee now has $30 out of a possible $150 in assessments.

The Baker House committee decided that groups not at least half composed of Baker men should post a bond of $20 for the use of the Dining Room. East Campus committee agreed that groups not 100% composed of men from the house should not be allowed to reserve the Burton Room at all.

Baker House committee decided after a heated argument to expect dinner with rooms at the beginning of next term.

The snack bar, long projected for Burton House, is now actually under construction. The committee agreed that groups not at least half composed of Baker men should post a bond of $20 for the use of the Dining Room. East Campus committee agreed that groups not 100% composed of men from the house should not be allowed to reserve the Burton Room at all.

**Tau Beta Pi**

The Tau Beta Pi stag party scheduled for Friday evening, November 30, at 8:30 p.m., has been moved from Burton Lounge to West Lounges of East Campus, the same date. All members and pledges are invited.

**Cross Country**

(Continued from Page 3) 


Bill Nicholson, who led the Beavers and finished fifth in the New England Championship race, equalled one-third of all English sleepers and ${	ext{F}}^{	ext{t}}$ in the New England Championship race.

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**Crysta Palace**

(Continued from Page 4)

solved the Exhibition in importance. The main area of the iron and glass structure was 1848 feet by 408 feet. It rose in three tiers to a height, at its crown, of 131 feet. The amount of steel glass used was 90,000 square feet which equalled one-third of all English glass produced in the preceding decade. Construction of this palace in the available time required a closely knit organization of supply and assembly.

The preparation of the exhibition has been the work jointly of Professor Henry Stimson Hitchcock, director of Smith College Museum of Art, with his staff and Professor Herbert Beckwith, director of exhibits at M.I.T. and his staff.