Students Hear Plane Mosaic
Designer Tells Of Experiments With Unusual Aircraft

IraSlobodkin, noted airplane designer and engineer, lectured on helicopters, the least familiar of aircraft types, yesterday afternoon.

Dealing mainly with the history of the various experiments with helicopters, Mr. Slobodkin held a question period following the movies which closed the lecture.

Mr. Slobodkin spoke by telephoto that when airplanes were first being designed the designers thought that they would gradually take less and less space for landing fields. This, however, proved to be wrong, for as the helicopters became more highly developed they gradually required more space for landing areas, thus required more space in which to land.

One of the principal troubles is

(Continued on Page 4)

Prom Committee Gives
Early Buyers Chance
To Win Option Refund

New Registration Will Be
On Campus Monday

All members of the Institute who were 10 years old before December 31, 1931, and who will not have reached 20 years of age by their 40th birthday by February 16, are once again reminded that they must register with the Registrar's Office on February 16, Monday February 17. This does not apply to those who are already registered in the 21 to 24 age group. The plates at which one may register are listed in the February 16 issue of The Tech.

I. F. C. Decides
On Punch Parties

Six Fraternities Will
Act As Genial Hosts

Over Prom-Week End

At a meeting last night, the Inter-
fraternity Conference, decided to hold punch parties around the houses on Saturday afternoon of the junior Prom-Week End. The Trousers' Reception will be held at the Delta Kappa Epsilon house for both houses on the Delta Upsilon house, the Chi Phi house, the Sigma Alpha Epsilon house, and the Phi Gamma Delta house.

The expense of the parties is to be split evenly between the junior and the I.F.C. treasury. This decision is pending approval of the Junior Prom Committee.

The conference also elected Maurice E. Taylor, '43 of the Lambda Chi Alpha house as a new member of the executive committee of the organization.

Body Resistance Battles Virus
In Fight Against Common Cold

Preventive Medicine—Prevention, Care of Colds

It was winter and Old Min.

Resistance was having a particularly hard time against the common cold. The most peaky of his charges, the common cold virus, which in most cases is always in one's throat, was continually on the watch for the times when Resistance felt sick and below par. Then it would overcome him, infec-
The next date replaces the old time printed on the options lists.

(Continued on Page 4)

The Tech Exposes Hobby Shop Fraud
Perpetual Motion Machine Unmasked

Your inquiring reporter has

Life was to be a minimum and not a maximum as many people seem to think.

Drink Lots of Water
He should have a minimum water intake of 8 glasses daily, not including other fluid foods. This serves to flush out body waste ade-

especially that the hobby shop when they noticed that many of their customers "on the blink" whenever this wire was dis-

One day, this whole shop was... (Continued on Page 4)

Students Are Warned
Today is Friday—Oh

The Tech warns all Institute stu-
dents. Unusual or otherwise, that tomorrow is Friday, the Third

In the house, it respectfully suggests that all fraternities pledge travel in pairs and share a space of beings

(Continued on Page 4)

Prom Committee

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**Friday, February 13, 1942**

**Volume LXII**

**Number 2**

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**News Editor**

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Robert Isaacs, '44

Leonard Harris, '44

Robert S. Chang, '44

Business Manager ..........................

General Manager ......................... John Lewis

Page Two

**Youth of the Year**

We suggest that each dance chairman reserve a date on the third floor of Walker Memorial, after 6:00 p.m., except during College vacation. Between such classes there were treasured moments. In the news department, during the scheduling of the junior combines, and in the newsroom of the Institute's many men's rooms. The Tech needs men to sell coming issues.

**The Tech Elects Two Cartoonists**

Robert S. Chang, '44, and Arthur F. Peterson, Jr., '44, are elected to the junior board of the Tech All-Campus Cartoonists. At the first meeting of the Combined Boards of The Tech and the M.I.T. Cartoonists, Mr. Chang and Peterson were elected to these positions. Mr. Chang, who is a part-time reporter at the Tech, is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist. H. Chang and Peterson were elected to these positions. Mr. Chang, who is a part-time reporter at the Tech, is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist. He is also a part-time reporter at the Tech, and is an able student artist.

**The Tech elects two cartoonists.**

Mr. Chang and Peterson were elected to these positions.

**All Technique Pledges Fell Due Saturday**

The general manager of the Technique pledges, James Henry Henderson, '43, announced last night that all sorority pledges will be due this Saturday night.

**University Club Will Meet**

On Wednesday Night

Mr. John D. Tatum, instructor in history at Harvard, has announced a special meeting of the University Club on Wednesday evening, February 18, at 6:30 P.M., in the Eliot room of the Eliot house. 

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**Varsity To Meet Both Syracuse and Cornell For Brown Trophy**

The fifty-third annual Boston All-Africa Basketball Tournament, which will be held Saturday, February 20, at 7:45 P.M. in the Boston Garden, features an exciting array of teams competing for the tournament, open to all students, in the varsity and junior varsity two-mile relay events. This tournament, most important of the weekend is over.

**Shaw.** Although past games do not Trexel, Jr., John Barry, and Jack headed by Captain Sheetz III, conclude the winnner. However, he did winning two legs.

The three teams are composed in three year period. The trophy for mile, for the George V. E.Brown Me- dividual and group competition.

**Pucksters Leave For Brunswick**

To Skate Against Bowdoin And Colby Over Week-End

Leaving early this morning the pucksters are on their way to Brunswick, Maine, where they will encounter the Bowdoin and Colby. After this game they will continue their travels to Waterville, Maine, where they will meet Colby.

The starting line-up will prob-ably be: Johnnie White, John- son undergraduate except Seniors special summer term every Crim- son undergoes cancerous fevers and those with physical handicaps will report for a week for time of rehabilitation.

**Future Schedule**

The next game is scheduled with McGill University, a shoulder-to-shoulder meet with them.

**Cagers Play B. U. Tuesday**

Because of the blackout scheduled for Tuesday night at 10:00 P.M., schedule for the basketball games with Boston University on that evening will be 6:30 P.M. for the freshman game, 7:45 P.M. for the varsity, co-capt, Ernest F. Arts, announced high schools. The upperclassmen will be played at Boston University Gym.

The Boston University team has had as outstanding a season as last year's, has tournaments. Tufts, who, in turn, win from Tech- nology this coming week, will enter in the new bas- sioned mains in "in shape" according to Captain W. W. Kellog, who looks forward to a vic- tory.

**Weather Note**

Oscar reported that due to weather conditions it may be impossible to travel to New York, making it impossible for the Freshmen to compete with New York University. The Freshmen have already won individual laurels this season and there is a good chance they will win the championship.

**Reports from: Captain Gene Brady, Sid Cooley, Ed Locke, instructor of athletics at Harvard, announced that beginning April 6 and continuing through the spring and summer term every Crimson undergraduate except fevers and those with physical handicaps will report for a week for time of rehabilitation.

The emphasis is to be placed on harder rather than on play. An announcement will be made in a few weeks in the Harvard newspaper for the freshman and junior varsity teams to take place on March 6 and 7, at Wes-leyan.

The complete schedule for the basketball games will include: Tuesday, February 16, for the freshman game, and 8:00, for the varsity game.

**Exeter, will do more harm than we in-
FUND DRIVE, which Wednesday evening oversubscribed $100 To War Fund

Students Donate $7,600,000.

In one of the most Jessonuous charitable undertakings ever attempted by any community, 130 volunteer workers have spent the past three weeks soliciting contributions. The Greater Boston in an attempt to raise the unheard of total of $45,000.

Organizations sharing in this drive included the major charitable agencies which annually solicit donations from the charitable. This combined drive was initiated in an attempt to arouse greater interest in each of the organizations participating, hoping thus to receive greater contributions to enable them to continue their work. The participating groups included the Red Cross, the United Service Organizations, and the Greater Boston Community Fund.

Int. Club Dance Will Be Tonight

Inviting everyone who feels like dancing for the fun of dancing, the Int. Club is staging a no-expensive dance at the Hangar Gym, from 8 to 10, tonight. Friday the 15th. It was originally planned as a square dance, but the caller will be unable to attend. Square simple dances and waltzes will be the fashion, therefore, while the music will be recorded. The main attraction is a fisk of Walkers and Simmons girls, states Albert Lain, '42, Secretary of the Club.

Varsity Swimming Team Prepares For Challenge

After a month of intense work, the varsity swimming team goes into action at Trinity College next Thursday afternoon. This is the first of six senior meets in the schedule of the season, three of which are here, and three away.

Although the team has thus far been rather unsuccessful, they hope to improve during the season and place well in the New England Intercollegiate Meet at Amherst March 13 and 14.

Perpetual Motion (Continued from Page 2)

strated as a mystery machine by the Bell Telephone Laboratories at a meeting of the American Institute of Physics in October 1937. They did not, however, claim that it was a "perpetual motion" machine.

The apparatus movement is based on the fact that heat can change the ferromagnetic properties of iron and iron alloys. The particular alloy which is used here -70 per cent iron and 30 per cent nickel—has the property of having its maximum permeability at room temperature.

In this particular alloy, a ribbon of this alloy is placed around the edge of the plastic disc. This disc is then mounted on an axle and allowed to rotate between the poles of a vertical magnet. An ordinary incandescent lamp is then mounted on the back of the box, and the light from this is passed through a filter which cuts out all but the infra-red rays which in turn are focused upon the ribbon at a point just above the magnet.

The heat which these rays generate is sufficient to raise the permeability markedly at this point. This results in an uneven pull by the magnet, and the wheel revolves. Quid est demonstratum.

Fencing

Season, 1941-42

First day of fencing, March 13, 1942.

The Faculty Squash Tournament Inst. Comm.

(Continued from Page 1)

Also approved was the election of George A. Schulte, and Dean O. Portrait, as sophomore members of the Student-Faculty Committee and Robert J. Schaefer, '43, as permanent guest for T. September 31, 1942.

Maps, who is working outside of school this term. Schaefer, who is Secretary-Treasurer of the Junior Class, is to replace Maps as member of the Student-Faculty Committee representative of the Junior Class.

QUICK SERVICE

WALTON'S

M.I.T. Outing Club Elects Walter G. Wells, President

The M.I.T. Outing Club elected Walter G. Wells, '40, as their new president at a meeting held last Wednesday night, which featured two sound movies on skating. Election was held following this.

Other officers elected were William L. van Ravenswaay, '44, Secretary-Treasurer; Warren E. Swain, First Vice-President; O. G. Smith, '43, Meetings Director; John H. Pard, '40, Editor of the Bulletin; and James H. Klein, '42, Big Team Manager.

Common Cold

(Continued from Page 1)

We say that this present ship can hover in mid-air over any spot for any length of time. This, he said, is something which the relations of gravity below the lifting power of air surfaces would not do the job, although the airplane has become a vital thing in life. However, showed that this would not be so, for the helicopter was included to have the stability of a free balloon.

Mr. Silinsky also said that experiment also found that the extra air surfaces would not do the job, and the airplane now is necessary to have auxiliary power to keep the ship in the air. He also explained that in his present experimental ship, it is the pitch of the rotor rather than the angle which he determined the rate of climb.

5:15

(Continued from Page 2)

Of course . Can you write? . Certainly . Do you want to write? Or sell ads? Or take photographs? Or make engravings? Or just learn what a newspaper is all about? If you do, The Tech has a place for you. The second term freshman competition is about to start. If you are interested, drop around to the Tech business office, third floor of Walker, between 4 and 1 o'clock any day during the next two weeks and ask for the Personnel Manager.