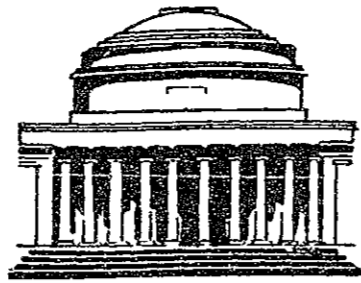


The Tech



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Volume LVIII, No. 44

CAMBRIDGE, MASS., TUESDAY, NOVEMBER 15, 1938

Price Five Cents

Dating Bureau Will Get Girls For 5:15 Dance

Wellesley, Jackson, and Simmons Girls to Be Available

REDEMPTIONS FRIDAY

Dates are available from Wellesley, Simmons, or Jackson Colleges for men seeking companions for the Thanksgiving Eve dance, Leo A. Kiley, '39, president of the 5:15 Club announced last night.

Arrangements have been made with prominent upperclassmen at the three schools to supply as many girls as are needed for Tech men that evening. An attempt will be made, moreover, to fulfill reasonable specifications as to size and appearance. The date bureau is being managed by Kiley and Ralph L. Hegner, '39, chairman of the dance committee. For those not satisfied with girls from Wellesley, Simmons or Jackson, tentative arrangements are being made by Kiley to secure girls, also, from Boston Teacher's College. Applications for dates for the dance must be made by the end of this week.

Norvo on Program Tonight

Tonight Red Norvo and Mildred Bailey will be featured guests on

(Continued on page 3)
5:15 Dance

Agenda Members Announce Names

List Kept Secret to Assist Sophs in Controlling Dorm Frosh

Agenda, dormitory honorary Sophomore society, recently disclosed its heretofore secret membership for the present term. President of the society, Adolf Bertsch, '41, released the following list of newly elected members: Toshio Hirata, Clayton Baer, Charles W. King, Ted Walkowicz, William H. Cherry, William Ahrendt, and William Orr, all of the class of '41. These men were elected at the beginning of the term by other members of the society who were chosen last year by the out-going Sophomores.

The older members are: Adolf Bertsch, president; J. J. Kriz, vice-president; William Staudenmaier, secretary; Carl Schwenzfeier, Willard Mott, William G. Kussmaul, Kemper Atwater, and John Meier. The membership was kept secret for the first part of the term to facilitate dealing with inter-class activities and organization for Field Day.

Cellophane And Paper May Be Replaced By New Inorganic Film Discovered Here

A new inorganic material developed in the laboratory of Dr. Ernest A. Hauser can be produced in a thin flexible sheet which promises hundreds of uses as a substitute for paper, or for films like cellophane.

Besides being fireproof, the product is resistant to water, acid, alkali, organic solvents, and corrosion from atmospheric oxygen. It can be molded like a plastic, or manufactured in strong flexible sheets of any thickness, either opaque or transparent. The film product is good for printing, wrapping, writing, electrical insulation for cables or condensers, and thermal insulation. It can also be used as a backing for photographic emulsions and may be valuable because of its fire proof qualities as motion picture film. Its dielectric constant is as high as that of mica.

Raw Material Is Clay

The raw material for this unusual

substance is none other than a type of clay called bentonite, with which Dr. Hauser was experimenting early last year when he made his discovery. The properties of bentonite are peculiar; its ultra-microscopic particles absorb about 10 times their own volume of water. The mixture with water forms a viscous jelly which solidifies on standing. The solid thus formed, however, turns back to liquid merely on shaking the container. Oil wells use the mixture in making "drilling muds."

In determining dry weights of the clay in the mud mixture, Dr. Hauser noticed that tough, flexible flakes were formed on the inside of the container in which the mixture was dried, but he did not investigate these until they began to "get my goat," as he phrased it.

(Continued on page 2)
New Material

Final T.C.A. Drive Report Shows \$594.84 Deficit

Final figures in the Technology Christian Association's annual drive for funds reveal a deficiency of \$594.84. The total amount contributed in the drive was \$3,655.16, or about 15% short of the goal of \$4,250. Fifty-seven per cent of the students contributed an average of \$2.11 per man.

The T.C.A. is sending letters to those who were not contacted in the drive, requesting them to help make up the deficiency.

A. H. Compton Speaks Here

Pres. Compton's Brother Discusses Nature Of Matter

Arthur H. Compton, professor of physics at the University of Chicago and brother of Dr. Karl Compton, president of the Institute, will offer a series of free illustrated lectures sponsored by the Lowell Institute, in the lecture room of the Boston Public Library beginning Tuesday, November 22 and ending Tuesday, December 13.

Seven Lectures Will Be Given

Well known throughout the scientific world for his work in physics, Professor Compton, who holds the degrees of Ph.D., Sc.D., and L.L.D., and who won the Nobel Prize in physics, will address the public on the nature of matter and the principles of physical action. The series of seven lectures will be given on Tuesday and Friday evenings, starting with "The Components of Matter; Atoms and Sub-Atoms" and concluding with "The Spacial Grouping of Matter, and Its Causes."

Tickets may be secured by mail from the Curator of the Lowell Institute, Boston Public Library, Copley Square, Boston. A stamped, addressed envelope should be included for each ticket desired.

The Tech Holds Outing At Cabin on Massapoag

About twenty-five members of The Tech met at Tech Cabin at Camp Massapoag last Saturday evening for the annual cider party. Arriving about 7:30 P.M., the boys sat around the fire cooking hamburgers, eating apples, and drinking a little cider to wash them down.

The group around the fire-place formed a friendly little circle, marred

(Continued on page 4)
Cider Party

Frat Tea Ends In Plane Crash

\$10,000 Damage is Done As Landing Gear Collapses

When one of the three planes chartered by Phi Beta Epsilon crashed while landing at the East Boston Airport last Sunday, that fraternity's air tea party was brought to an abrupt close. The flight was scheduled as part of the semi-annual house party. In the three planes were fifty-nine boys and girls from Technology and other New England colleges whose lives were saved by quick thinking on the part of the pilot.

The accident occurred when the three planes were returning to the field after forty-five minutes of circling Boston, Cambridge, and the Wellesley campus. One plane had already landed, when the American Airlines Flagship "Boston" approached the field for its landing. While at the edge of the field, rough air dropped the plane to the ground, crumpling the landing gear. The pilot promptly cut the switches as the plane slid to a halt amid a cloud of flying gravel and cinders. When the plane came to rest, the stewardess, Miss Mary Robinson, asked in a calm voice that all the passengers leave the plane immediately.

Passengers in the plane said that the crash seemed more like a rough landing than a crash. The most disconcerting part of the entire performance was reported to be the sudden appearance of the under carriage protruding through the wing of the plane on both sides. The plane came to rest

(Continued on Page 4)
Crash

Burchard Opens Lecture Series

Four More Talks Scheduled On Prefabricated House Construction

Stating that there seemed to be a definite opportunity for mass production of prefabricated houses, John E. Burchard, head of the Albert Farwell Bemis Foundation, yesterday presented the case for prefabrication in the first of a series of five lectures on that subject to be given in Room 1-390. The remaining lectures will take place at 1 p.m. tomorrow, Friday, and Monday and Wednesday of next week.

No Administrative System

The speaker brought out the fact that there was no co-ordinated system for building supervision, and that, due to the rise of wages since 1914 and the inability to cut down man-hours of labor, the prices of buildings have risen out of proportion to certain other products to which mass production methods have been applied.

The remaining lectures are to be: "The Various Theories of Prefabrication," "Materials and the Prefabricator," "The Analysis of Proposals of Existing Prefabricators," and "Difficulties in the Way of Successful Prefabrication."

Simmons Girls to Attend Chemical Society Meeting

The M.I.T. Chemical Society will hold its monthly meeting on Wednesday evening in Room 2-390, at 8 o'clock. Professor R. D. Evans will speak on "Radioactivity" to an audience composed of members of the society and their guests from Simmons College.

Refreshments will be served later in the Moore Room. All undergraduates in chemical courses are invited to attend this meeting and to become members of the Chemical Society.

Technique Picture Files Will Be Placed in Lobby

Final list of all senior photographs which will appear in the 1939 Technique will be at the information desk in the Main Lobby tomorrow from nine to five. All Seniors who had their pictures taken should check to see that their names are on this list. Technique cannot be responsible for any omissions if this check is not made.

The Placement Bureau needs only two of the six pictures which were taken. The remaining four may be called for at the Bureau, Room 7-121.

Gridiron Holds Outing On Sat.

Society Inducts Members At Annual Banquet Last Week

Gridiron's outing for the staff members of all undergraduate publications is to be held this Saturday from 3 to 6:30 P.M. at the Mansion House, Cedar Hill, Waltham, it was announced last night.

About 200 men are expected to participate in various outdoor and indoor games and to consume sandwiches, beer, cider, and doughnuts.

The staff members of the four publications attending the outing are to leave from Walker Memorial at 2:30 P.M. Saturday. Freshmen in particular are urged to come to the outing.

Twelve Initiated

Twelve new members were initiated into the honorary journalistic society at its annual fall banquet held last Wednesday night at the Viking. Speakers were William F. Wingard, '39, Mr. J. Rhyne Killian, Jr., '26, and Mr. A. Warren Norton, '21.

Mr. Norton, who is national advertising representative for the Boston

(Continued on Page 4)
Gridiron

Walker Memorial Comm. Elects Four New Men

The Walker Memorial Committee announced today that William Ahrendt, John Andersen, Jack Klyce, and Joseph Myers are the new sophomore members of the committee. These men were chosen from the twenty-four who were nominated.

The committee enforces the house rules of Walker Memorial, controls publicity campaigns, supervises meetings held in the building, and assigns rooms in Walker Memorial and the Hangar Gymnasium.

Junior Prom Committee To Determine Class Opinion On Dance by Ballot Vote

Following the successful example of the Junior Prom Committee of several years ago, this year's committee is also polling the members of its class to determine their wishes about the dance.

The main question confronting the members of the Junior Class seems to be whether the annual affair should be a dinner-dance or a "big-name" orchestra dance. According to the committee's figures the cost of the former would be \$8.00; the latter, about \$4.95.

Postcard Ballot Mailed

This question, as well as a choice of band and place has been put up to the members of the Class of 1940 in a postcard ballot mailed last Saturday. Although the voters are allowed to put in the name of any orchestra they wish, among those mentioned were Larry Clinton, Tommy Dorsey, Kay Kayser, Duke Ellington, Bob Crosby,

'41 Will Pick Beauty Queen At Class Hop

Soph President to Crown Most Beautiful Girl At Annual Affair

JUDGES UNANNOUNCED

At the stroke of midnight on the evening of December 2, the most beautiful girl on the roof of the Parker House will be formally crowned "Queen of the Sophomore Dance." Either two hirers of airline hostesses or two professional artists will choose the queen from among the guests present.

Barnet, Murdock Award Crown

Charlie Barnet, leader of the orchestra which has been engaged to play for the affair, and John Murdock, president of the Class of 1941, will announce the name of the winning girl and make the official presentation of the crown.

During the next two weeks, the crown will be on display in the Main Lobby at the Sophomore Dance ticket desk.

The judges will circulate among the guests during the evening in order to determine the rightful recipient of the coronation.

Photographers and representatives of the various newspapers will be on hand to clothe the winner of the crown in a gown of publicity, Arnold Mengel, '41, chairman of the Publicity Committee announced.

Beaver Club Will Initiate 10 Men

Ceremony To Be Conducted At Copley Square Hotel November 30

Ten men have been pledged to Beaver Club, honorary Junior society, the president, Thomas Creamer, '40, announced last night. The initiation of the new men will be held at an informal club meeting November 30, at the Copley Square Hotel by the fifteen present members of the club who were pledged and initiated to membership as sophomores last spring by the present seniors.

The pledges, all members of the class of 1940, are: Phillip Stoddard, Raymond Foster, James Rumsey, Dudley Follansbee, Ted Brush, John Vanderpoel, David Morgenthaler, Garry Wright, William White, and William Stern.

Count Basie and Dick Himber. There were only four places mentioned in the ballot: Walker Memorial, Statler Hotel, Somerset Hotel, and the Copley Plaza Hotel.

Novel Entertainment Considered

This ballot is the result of the first meeting of the Committee, held last Wednesday in Walker Memorial. Also under consideration at this meeting was the suggestion that some form of novel entertainment or unique invitation be arranged.

Members of the Junior class who have ideas for the affair have been asked to see the members of the newly-elected Junior Prom Committee who are as follows: Walter H. Farrell, Chairman, David R. Goodman, David T. Morgenthaler, Franklin E. Penn, Philip A. Stoddard and Wesley J. Van Sciver.

The Tech

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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type of meet does not take men to other schools, it gets men together and gives them a chance to exhibit their skill, sportsmanship, and rivalry.

The attitude that they don't plan to win, but are just out for the sport and the fun of the game, is a poor attitude for intercollegiate sports. Within our own groups, however, there is never a feeling of the superiority of one group over another beside that which is actually demonstrated in the contest, and for this reason the games are more apt to be evenly contested. With lettermen eliminated from the competition, there is no reason for the various groups not to find men to represent them, and for the contestants not to thoroughly enjoy the fight with classmates with whom they may never have competed in sports.

The competition is all arranged, it lacks only students to enjoy it.

TECHNICAL JOURNALISM

COMES THROUGH

For the last two issues and in this issue also, we have printed a series of items entitled "Science In Brief", written by a student of Technical Journalism at the Institute. Unlike most articles of this nature, this one is designed not only to arouse momentary interest, but to serve as a guide, through the bibliography that accompanies every comment, to future reading.

Not trying to compete with the sources of these articles, we intend them as head lines to suggest events that might otherwise pass unnoticed. While these "briefs" are available and of interest to students, we are pleased to print them, and also to call attention to them, not only for themselves but as an example of an original enterprise of an ambitious student.

SCIENCE IN BRIEF

By ARTHUR M. YORK, '38

Rocks Flow

Rocks under great pressure frequently break and crumble; but recent studies have shown that they also "flow" when they are under a steady and sustained compression. Of course the "flowing" process takes place slowly but the results are similar to the flowing of a liquid, of a plastic substance (such as caramel candy), or of molten rock. For some time it has been believed by geologists that certain natural rock formations could be explained only by the fact that the solid rock had flowed at normal temperatures; recent experiments in the laboratory have confirmed this belief because microscopic studies of the compressed specimens revealed characteristics typical of a flow process. In each case there was a lack of fragmented crystals. (1)

"Reproductive Rhythm"

An English scientist has made a study of the birth rates in a number of European countries and has come to the conclusion that the greatest number of births naturally occur in the season (early spring) when the infants are most likely to survive. He attributes this "reproductive rhythm" to a number of factors, but puts particular emphasis on temperature; it is his theory that the most favorable atmospheric temperature for conception to take place is 62 degrees Fahrenheit. (2)

Self-Training in Reading

Scientists say that normal adults can easily be educated to read at the rate of 500 words per minute, whereas the average speed at present is only 300 words per minute. What is more, we can train ourselves to read more rapidly by learning not to "vocalize" (not to say the words to ourselves), by trying to recognize whole phrases at a glance, by forcing ourselves to read at a pace a little faster than is comfortable, and by assuming an attitude of concentration while reading. (3)

For more complete discussion of the above items, consult recent periodicals as follows: (1) Journal of Applied Physics, Sept., 1938, p. 567; (2) Nature, October 1, 1938, p. 593; (3) Scientific Monthly, Sept. 1938, p. 261.

Reviews and Previews

MAJESTIC—Blackbirds. Lew Leslie's latest all colored review, is a fast-moving musical that we're sure you'll like. Lena Horne, singing and dancing star, appears here for the first time on any stage. Her sparkling personality and pleasant voice forecast her success as a musical comedy entertainer. Others featured in the cast of one hundred are Bobby Evans, Hamtie Harrington, Dewey Markham, Lurene Hines, Taps Miller, Lorenza Roberson, Norman and Blake, and Frances Brock. We particularly liked the Van Grona Swing Ballet and an effective arrangement of "Franky and Johnny". The vigorous routines of "Big Time" Crip, one legged dancer, are quite unusual. Two songs in the production—"Your Heart and Mine" and "Thursday" have definite possibilities as hit tunes. R.T.W.

SYMPHONY—This weekend will find the Boston Symphony engaged in a New York tour, so that the next Boston concerts will be held on November 25 and 26, when Eugene Goossens will be guest conductor. It is announced that Fritz Kreisler will make a single appearance here on Sunday afternoon, November 27.

COPLEY—Opening Tuesday, November 22, The Tragical History of Doctor Faustus from the original text of Christopher Marlowe, adapted by Eliot Duvey. A federal theatre production.

LOEW'S STATE AND ORPHEUM—Mickey Rooney and Wallace Beery share starring honors in *Stablemates*, the story of an old vagrant's friendship for an orphaned boy. Coupled with this melodrama is *Listen Darling*, with Freddie Bartholomew and Judy Garland.

MODERN AND SCOLLAY—Men With Wings, technicolor aviation epic, brings Fred MacMurray and Ray Milland to these screens, together with The Higgins Family.

UPTOWN—Now playing is the latest Ritz Brothers' hilarious hokum, *Straight, Place and Show*. It's "screwy", but you'll like it. Also featured is Bobby Breen in *Breaking the Ice*.

UNIVERSITY—Three Loves Has Nancy, Time Out for Murder and the latest *March of Time*. Tomorrow brings back *It's Love I'm After* and *Charlie Chan on Broadway*.

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New Material

(Continued from Page 1)

His investigation of the flakes led him directly to the discovery.

Depends on Novel Phenomenon

On examination of the finished product through the ultra-microscope, one finds that the particles have arranged themselves into a maze of long interwoven threads. Dr. Hauser's discovery marks the first time an inorganic substance has been converted to a self-supporting, coherent, binderless film, a phenomenon previously attributed only to substances of organic origin and of high molecular weight such as rubber, cellulose, and gelatin.

The raw material has been extended to include other types of clay such as bauxite. Bentonite is produced abundantly in the United States and can be bought for a cent a pound.

Fractionates Material

Dr. Hauser first takes the refined raw material and fractionates it into different gels by means of a centrifuge. These gels, on desiccation, form flexible water-soluble films. The films were first given a heat treatment which made them water-proof. Much of the toughness and resiliency of the material, however, was lost in the process, and since then a chemical treatment has been found which allows all of the original properties to be retained.

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RESIGNATION

THE TECH regrets to announce the resignation of Miss Ida Rovno as Associate Editor. Miss Rovno has contributed regularly to THE TECH'S editorial policy, but the pressure of her duties as correspondent of The Boston Post has necessitated her withdrawal.

VISIBLE SPACES

IN THE PARKING LOT

Earlier in the year, the Institute was confronted with a critical parking situation which it partially relieved by requesting the employees to park their cars in the spaces well away from the main building. This did a lot of good, as did the signs asking that cars not be parked in the passage ways, but we cannot get around the fact that the spaces are crowded and we must use them to the best of our ability.

We once asked that men be more careful in using the spaces to see that they did not use more room than is necessary. With the present dilapidated condition of the marks on the road, however, it is hardly fair to blame the drivers for parking their cars any way they please when they can not tell where the spaces are. That the authorities should not see this our way is hardly probable, so to complete the round of cooperation, we ask that the motorists respect the space lines when they are remarked.

KEEN COMPETITION

IN INTRAMURAL SPORTS

Recently the growth and enthusiasm connected with intramural sports at the Institute has been surprisingly great. Not that there is any over-powering advantage of such sports within Technology that sets it above our intercollegiate competition, but we have a much better chance for a healthy school spirit with both types of games.

Several organizations have tried to arrange competitions among the activities and the residential groups with varying degrees of success, the most recent of which has been the swimming meet arranged by the Swim Club for all students who have not received their letters in swimming. Although this

SPORTS COMMENT

One of the better known fallacies known to Tech youths is that "Tech teams are lousy" "Tech teams stink." Other comments along the same line are "Migawd, we won a game!" "How much did we lose by?", etc.

Outward signs indicate the inward disease, and this defeatist attitude among Tech students toward their teams is certainly a disease, a virulent disease, a form of pernicious athletic anemia.

As a matter of fact, Tech teams are not unusually rotten. Every year, the school usually has at least one team which is outstanding in New England. Last year, trackmen went through the entire year without a defeat, including a meet with Brown who later captured the New England title. Last winter, the Hockey team was certainly outstanding. In spite of bad breaks, it finished the year well up in the league, and placed two men on the All New England Team.

Naturally not every year, but still not unusually infrequently, we have produced formidable basketball teams, crews, gym squads, and fencing teams.

It is bad sportsmanship to crow over a victory or complain about a defeat, but it is worse than bad sportsmanship to concede victory to the opponent, no matter who the opponent is, the sport, the place, or the time. Just imagine, if you can, what the effect might be on a Tech team if the school body turned out in a crowd to watch the game, if it showed some enthusiasm for their team.

School spirit is referred to smilingly by cynical undergraduates, but it is a very potent factor not only in school but in after life where it is referred to as "cooperation" and you are made or broken by possession or lack of it.

It would take only a short time to make the school body feel some pride in their classmates out on the field. If interest were shown by the students in a few games, the habit would grow; and it would not be long before write-ups in The Tech and the Boston papers would be able to refer to "the Tech cheering section."

You came to Tech not only to learn a trade; but, we hope, to take part in the school, to acquire a background for the rest of your life and a tradition of accuracy and open-mindedness. Tech teams are as much a part of that background and tradition as any other factor of the school, and should be taken into the student as much as any other part.

Tech, this year, has placed some good teams on the field this fall; and will place some better ones. Suppose you go to a Tech hockey game this fall, or a basketball game, and take a few of your friends along. You will be surprised at how interested you will be in the game and its outcome. Try it once.

There is an old saying that figures don't lie, but listen to this. Our soccer eleven which seems to be always doing the things which we don't expect it to do, journeyed to Springfield about two weeks ago and took an awful drubbing from the physical training men; then Harvard played the Springfield team and gave them an equal defeat. To further complicate things, the Tech eleven engaged Harvard with everyone expecting an awful defeat for Tech, but the Tech team lost only on a referee's doubtful decision. What sort of conclusion could be drawn from these figures?

Recently suggested was a new and good way in which the fairer sex, in the form of the coed, can help the Institute. Never has there been much school spirit in Technology; but in this day and age one of the most important backgrounds for school spirit is formed by the fairer sex.

Why don't the fairer sex pledge themselves to become Tech cheerleaders. Certainly our coeds dressed up in white sweaters and appearing at our major sports, like basketball and hockey, would give inspiration to the teams and new school spirit to the Institute. It certainly is an idea worth consideration by the coeds.

Basketball is beginning its annual sprint to the national limelight as football, soccer, and other fall sports are coming to the end of the 1938 campaign. Tech basketball hopes are hard to yet predict but with such men as Samuels, Conti, Herzog, Glick, and Goldfab of last year's freshmen squad coming up to aid the already veteran Schneider, Creamer, and Farrell, Tech is liable again to do the unexpected and have a good team.

Dorm Football Series Nears End; Grads Lead

Breaking a tradition, the dorm men have, according to Teddy Walcovicz, dormitory football manager, turned out in unusual numbers and with unusual spirit for the intra-dorm touch football games, considering that all the games are held at 7 o'clock in the morning.

All games to date have been played as scheduled, with the exception of only two forfeits and one postponement. There are nevertheless only five games to be played in the present series. The Graduates on the whole have been running away with the games against the Undergraduates, even though the hardworking Dorm boys have been giving them stiff competition.

5:15 Dance

(Continued from Page 1)

Benny Goodman's program. Specialty of the evening will be the "Red Norvo quartet" composed of Benny Goodman, on the clarinet, Red Norvo on the xylophone, and two men chosen from the bands. During the program, both orchestras will feature the swing music which is their specialty. Mildred Bailey will provide the swing songs.

Redemptions Start Friday

Redemption of options will begin Friday in the Main Lobby and will continue daily until November 23. Redemptions are \$2.00. A few options are left for \$1.50. The dance, to be held on Thanksgiving Eve, will continue from ten until three and will be in the Main Hall of Walker.

Loyalist Fighter to Talk At A.S.U. Meeting Today

Homer Chase, who fought in the International Brigade for Loyalist Spain, will be the speaker at a meeting of the American Student Union on Tuesday at 5 P.M. in Room 4-270.

Mr. Chase is a graduate of the University of New Hampshire. He left for Spain in March 1937, and got to the front after spending a month at a training camp. He was active in defense of Madrid and in battles on the Aragon and Teruel fronts. He was taken prisoner in a rebel attack on the Ebro river and released six months later when fourteen Americans were exchanged for an equal number of Italian aviators who had been captured by the Loyalists.

Skiing Films to Be Shown By Institute Outing Club

The Outing Club has announced a meeting to be held Wednesday, in Room 10-250 at 5:00 P.M., at which, in keeping with the advent of cold weather, skiing pictures will be shown, and samples of suitable skiing equipment demonstrated.

In connection with the display of equipment, Rudy Schapira, '39, will discuss the latest types of skiing accessories, explaining what is worth buying and what is placed in the store windows for pure attraction.

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Tech Is 12th In I.C.4A. Meet

Cross Country Team Runs With Nation's Best At New York

Technology's Cross Country Team finished twelfth among the nation's outstanding harriers in the annual I.C. 4A. Meet held at Van Cortlandt Park, New York yesterday afternoon.

Manhattan upset Michigan State, winner for the past five years, by a 48 to 76 score. William J. Smith of Penn State was the individual winner, closely followed by Manhattan's Joseph Moclair and Maine's Donald Smith, who won the New England Intercollegiate the previous Monday.

Tech is fourth New England Team Tech was the fourth of six New England teams to finish. Maine came in eighth; Yale, ninth, and Harvard, eleventh, while Dartmouth and Rhode Island State followed the Institute harriers.

Penn State took team honors in the freshman race which was won by the already famous Leslie MacMitchell of New York University. Arthur Gow, '42, of Tech finished thirteenth. Positions of other Tech runners in either the varsity or freshman could not be obtained from the dispatches.

Team Standings

Twenty-one teams were scheduled to participate in the meet. Scores for

(Continued on Page 4)
Cross Country

Dinghymen Sweep To Victory Again

Brown Falls In College Meet Harvard And Dartmouth Also Trimmed

Out-blustering a blustering south wind, the Institute dinghymen sailed well enough Sunday to outscore Brown, Harvard, and Dartmouth. The victory completed a clean sweep over the weekend for the halyard-haulers.

Win Brown Regatta Friday

Last Friday the same group of Techmen won the annual Brown intercollegiate dinghy regatta.

Herman Hanson led the Institute forces to an 18 point victory Sunday. The final score was: M.I.T.—85 points; Brown—67 points; Harvard—38 points; Dartmouth—21 points.

The margin of victory for the Techmen, however, was much less Friday when Brown came in second again to Tech but by only five points. The scores were: Tech—77 points; Brown—72 points; Tufts—66 points; Princeton—65 points; Williams—57 points; Harvard—50 points; and Trinity—23 points.

Individual race summaries Sunday:

First Race—Won by Stanley Francis, Brown; second, Kenneth Wood, Brown; third, Herman Hanson, M. I. T.; fourth, Leonard Romanga, Brown; fifth, Charles Soule, Dartmouth; sixth, Eric Olson, M. I. T.; seventh, Robert Seidman, Harvard; eighth, E. W. Schneider, Harvard; ninth, Atwater, M.I.T.; and Roger Wilcox, Harvard, disqualified.

Second Race—Won by Hanson (M. I. T.); second, Atwater (M. I. T.); third, Wood (B); fourth, (M. I. T.); fifth, Romanga (B); sixth, Soule (D); seventh, Francis (B); eighth, Schneider (H); Seidman (H); and Wilcox (H), disqualified.

Third Race—Won by Wilcox (H); second, Atwater (M. I. T.); third, Olson (M. I. T.); fourth, Hanson (M. I. T.); fifth, Wood (B); sixth, Francis (B); seventh, Soule (D); eighth, Schneider (H); Romanga (B) and Seidman (H), disqualified.

Fourth Race—Won by Hanson (M. I. T.); second, Wilcox (H); third, Wood (B); fourth, Atwater (M. I. T.); fifth, Soule (D); sixth, Olson (M. I. T.); seventh, Seidman (H); eighth, Romanga (B); ninth, Schneider (H); and Francis (B).
Sapper's Scores—Hanson (M. I. T.), 25; Wood (B), 31; Olson (M. I. T.), 25; Atwater (M. I. T.), 25; Soule (D), 21; Francis (B), 20; Wilcox (H), 19; Romanga (B), 16; Schneider (H), 11; Seidman (H), 8.

Openings In Activities Available To Students

The following openings in undergraduate activities were announced yesterday by the Walker Memorial Committee. Further information concerning these positions may be obtained at the office of the committee.

Crew, two freshman managers; golf, all sophomores with experience; lacrosse, freshmen managers, players; musical clubs, openings in the Glee Club for anyone interested in singing; openings in the orchestra for anyone with ability; pistol team, two freshman managers, one sophomore manager; Six-A News, opening for special news editor; squash, one sophomore manager, one freshman manager; THE TECH, one freshman, circulation dept., two freshmen, advertising department, four freshmen, news room; T.C.A., twenty-five speakers, any year, for high school clubs, Hi-Ys, settlement projects, etc.; Technique, openings for freshmen in all departments: T.E.N., two sophomore assistant art editors; Tennis, freshmen managers (beginning second term); Voo Doo, one Sophomore literary editor, one sophomore advertising editor, one sophomore make-up editor; track, four freshmen assistant managers, two sophomore assistant managers.

Tech Rifle Team Has Match Friday

First Corps Of Cadets Will Be First Opponents For Sharpshooters

With eight letter men returning this year, the Technology rifle team will start off its shoulder-to-shoulder season with a match against the First Corps of Cadets at the Institute range next Friday evening, Nov. 18.

Two sophomores from last year's freshman team will complete the ten man team which is to face the Cadets in the opening match. These men have shown much promise for they have been selected from a group of over one hundred new men who tried out for the varsity several weeks ago. Of this large turnout about thirteen were kept as good prospects and the remainder were cut.

McDonnell Predicts Good Season

Competition has been unusually stiff for this early in the season, and Coach McDonnell and team captain Pacini expect a very successful season. The caliber of the new men is evidenced by the fact that several of last year's letter men have been outshot by new men and are not entering the first match.

Those selected to represent the Engineer team next Friday evening are Pacini, Whitaker, Pratt, Heymann, Davis, deOllouqui, Meyer, Walker, White, and Keith, while Harper will be alternate.

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Four Teams Now In Round Robin

Ten-Minute Overtime Fails To Break Phi Gam-Munroe Tie Sunday

Two games this weekend carried the Beaver Key Football Tournament into its next to final week. Phi Gamma Delta tied Munroe 6-6. The game was extended into a ten minute overtime period in an attempt to break the tie, but the tussle remained a deadlock.

Phi Mu Deltas Beat S.A.E.'s

The Phi Mu Deltas trimmed the S.A.E. House 34-0 to advance their score in the round robin ten points. Each one of the four surviving teams plays all the others. One point is awarded each team merely for playing. Ten points go to the winner, and a tie divides the points so each team gets five.


Three Games Left

There are three games left to play: the Phi Gamma Delta and Phi Mu Delta game must be played by Sunday. This promises to be a tough game because the Phi Gamma Delta, sore from previous defeat at the hands of the Phi Mu Deltas, are planning to win at any cost. On the other hand the Phi Mu Deltas are defending a title they won last year.

The S.A.E.'s must play Munroe before next Sunday also. The last game of the round robin system will be played next week, that between Munroe and the Phi Mu Deltas.

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CALENDAR

TUESDAY, NOVEMBER 15

- 5:00 P.M. American Student Union Speaker—Room 4-270.
- 5:00 P.M. I.F.C. Dance Committee Meeting—West Lounge.

WEDNESDAY, NOVEMBER 16

- 3:30 P.M. Technology Matrons Meet—North Hall.
- 4:30 P.M. Metallurgy Colloquium—Room 4-231.
- 4:30 P.M. Electrical Engineering Colloquium—Room 6-120.
- 5:00 P.M. Scabbard and Blade Meets—Room 6-204.
- 5:00 P.M. Junior Prom Committee Meeting—Hayden 408.
- 6:00 P.M. Senior House Dinner—North Hall.

THURSDAY, NOVEMBER 17

- 3:00 P.M. Theoretical Seminar—Room 6-120, Professor Frank.
- 4:30 P.M. Physical Colloquium—Room 6-120, Professor Vallarta.
- 5:00 P.M. Institute Committee Meets—East Lounge.
- 6:30 P.M. Alpha Chi Sigma Dinner—North Hall.
- 6:30 P.M. Professor Voss's Dinner—Faculty Dining Room.

FRIDAY, NOVEMBER 18

- 6:00 P.M. Musical Clubs Dinner in Silver Room.
- 8:30 P.M. Dramashop Presents "Outward Bound"—Room 2-190.
- 10:00 P.M. Boat Club Dance—Main Hall.

Crash

(Continued from Page 1)

In a surprisingly short time after the landing gear was torn away, and laughing couples got out to view the damage. Both wings were punctured by the broken landing gear, and the propellers of both engines were badly bent. One motor nacelle was damaged, and the bottom of the ship was scarred. American Airlines estimated that the damage amounted to about \$10,000.

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Cider Party

(Continued from Page 1)

by very little horse-play. The conversation centered around the current "Tech in Turkey" question, and many interesting points were brought up.

A few songs were then sung by the boys, with William "Peter Rabbit" Kather, '40, leading the chorus. Before retiring at 10 P.M., the guests sang the "Stein Song," and dusted up the crumbs of bread and hamburger that had accumulated.

Rising bright and early at 6:00 A.M., the boys went for a long stroll in the brisk morning air. Since it was Sunday morning, David A. Bartlett, '39, led the group in a short religious service. After setting the cabin in good order, the group left the Tech Cabin at 9:00 A.M.

Edwin K. Smith, Jr., '39, remarked: "Tech Cabin is a very inspiring place for Tech boys to spend a week-end. The benefits of such communion with nature can not be over-estimated."

Gridiron

(Continued from Page 1)

"Transcript" and many other publications, discussed the importance of newspaper advertising. He told in some detail how a recent campaign for a cigarette company was worked out.

Killian Speaks on Council

Mr. Killian, chairman of the Advisory Council on publications, spoke on the workings of the Council, explaining how the members protect the undergraduate publications from the occasional wrath of alumni.

He further said that each of the Institute publications should aim to write for its public and named three types of readers. There are the "sponge readers," the best of the three, who remember what they read; the "digest readers," who only look at summaries; and the "duck-back readers," who forget what they read. The latter is the class that reads Voo-Doo, Mr. Killian added.

Cross Country

(Continued from page 2)

the first twelve are as follows:

1. Manhattan College	43
2. Michigan State University	76
3. Pittsburgh University	90
4. Alfred College	109
5. Penn State College	119
6. Syracuse University	166
7. Cornell University	215
8. Maine University	216
9. Yale University	217
10. Princeton University	247
11. Harvard University	290
12. Mass Inst. of Technology	288

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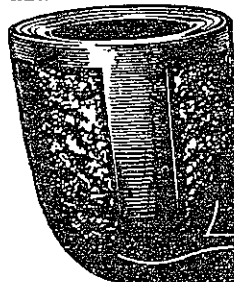
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