

CROSS COUNTRY TEAM DEFEATS PURPLE RUNNERS

First Technology Athletic Team
To Register Victory
This Term

THREE TECH MEN AMONG FIRST FOUR FINISHERS

Captain Talbert Nosed Out By
O'Connor Of Holy Cross
In Thrilling Finish

By virtue of their 24 to 35 victory over Holy Cross, the Technology sport spotlight is focused on the cross-country team. The running engineers are the first team this term to end up on the brighter side of the score.

Captain Talbert of Tech and O'Connor of the Purple battled for the lead over most of the four mile course, the latter winning out in a close finish. A Tech runner led to the two and a half mile mark where O'Connor overhauled him closely followed by Talbert. They raced past the three mile mark neck and neck, positions which they held right up to twenty-five yards from the tape. Here the Holy Cross man unleashed a sudden burst of speed which carried him across the finish line ahead of Talbert. Bates was about twenty-five yards behind with Chalmers right on his heels.

Tech was handicapped by the absence of Jenkins and Gurke, who are waiting for the New England Cham-

(Continued on Page 5)

KEN REEVES TO PLAY AT ANNUAL DANCE OF SCABBARD AND BLADE

Pledging Ceremony To Be Held
During Military Formal
November 23

Ken Reeves and his orchestra will play for the annual formal military dance given by Scabbard and Blade, Friday, November 23, from 9 to 2 o'clock, in Walker Memorial. This orchestra is well known in college circles, and played here last year.

Scabbard and Blade, the National Honorary Military Fraternity, will conduct the colorful pledging ceremony at midnight, when the Juniors are welcomed into the advanced O. T. C. Admission is not restricted to members of the R.O.T.C. units.

(Continued on Page 4)

High-Voltage Generator To Be Shown To Group Of Students For First Time

Van de Graaff Apparatus Will
Be Demonstrated Wednesday
Before Members Of Physical
Society At Round Hill.

For the first time since its construction the high voltage generator, invented by Professor Robert Van de Graaff, will be demonstrated before a group of students, the members of the M. I. T. Physical Society, next Wednesday evening at 7 o'clock. The group is leaving during the afternoon in private cars in time to look around and study the construction of the electrostatic units.

The generator consists of two huge spheres connected by a vacuum tube. Each of the globes is fifteen feet in diameter and is mounted on top of extolite columns six feet in diameter and twenty-three feet high. The masts on which the columns are mounted weigh twelve tons each and they roll on tracks fourteen feet apart.

(Continued on Page 4)

Ten Scabbard and Blade Dance Tickets Missing

Ten tickets to the Scabbard and Blade Military Dance are missing, it was announced last night by Damon E. Francisco, '35, Chairman of the Social Committee. He declared that unless these tickets are returned to the Dormitory office by 8 o'clock tomorrow, they will be cancelled.

"All students are warned not to purchase tickets to the Scabbard and Blade Military Dance which bear the numbers 231 to 240 inclusive," he said, "as these will be refused at the door."

VOO DOO WRITERS QUAKE IN BOOTS

Afraid To Answer Challenge Of
THE TECH To Play In
Football Game

In last Thursday's TECH, the "men" of the Voo Doo staff were officially challenged to a contest in the great American game of football. On Monday night, twenty-five Tech stalwarts were anxiously wondering just how long it would take for the Voo Doo to scrape together eleven weaklings and accept the invitation to their massacre.

At press time, no member of THE TECH had been notified that the cowards of the Institute's so-called comic weekly were willing to risk their necks against the brawn of the cream of all Tech newspaper men. In plain English, the Voo Doo has so far failed to accept the noble challenge of THE TECH to a contest in a game of football.

Nevertheless, a large number of Tech he-men who have signed up to

(Continued on Page 2)

CHEMICAL FRATERNITY MAKES ANNUAL AWARDS

Alpha Chi Sigma Cites Students
For Meritorious Work

The student chapter of the honorary chemical fraternity, Alpha Chi Sigma, recently made its annual awards to a Sophomore and a Senior for outstanding work during the previous year.

The Senior whose work last year merited this award is Warren E. Sundstrom. The other honorary award was made to Robert B. Woodward, whose meritorious work last year as a freshman gave him this distinction.

TRADITION HOLDS THE TECH CIRCUS SHOULD NOT DIE

Seniors Are Only Students Who
Have Experience Enough
To Carry It On

LAST EVENT WELL LIKED

Writhing, twisting, squirming mamas do hula-hula dance at Circus tonight! This was the stirring headline in the April 1, 1932 issue of THE TECH, on the occasion of the last Tech Circus. The article went on to say that the imported talent had perfected "a thousand new wiggles to send a current of heat up the spines of fifteen hundred students and brown-baggers" who would attend.

From the above quotations, members of the unfortunate Junior, Sophomore, and freshman classes, who have never had an opportunity to see a Circus, may gain an idea of what it is like. If one is not held this year, the tradition will pass, for no students will remain that have the experience to carry it on.

The date of the event wanders over the whole school calendar. The last time it was held, in the spring of 1932, the Armory was used to house the entertainments. All organizations interested set up the usual booths, where everybody was invited to try his luck at pitching pennies, hitting black Sambo and downing beer, served by manly barmaids of THE TECH. Movies of questionable morality were shown, wieners were served by the

(Continued on Page 5)

CIVIL ENGINEERS WILL SEE DAMMING OF RIVER IN MOVIES TOMORROW

Chute A. Caron Development Is
Shown In Movies To Be
In Room 10-250

Damming the swift Saguenay River by dropping a concrete obelisk into place will be shown in the moving pictures to be presented tomorrow afternoon in Room 10-250 at 4 o'clock by the Civil Engineering Society. Students in Course I are especially invited to attend the meeting.

At the same time, there will also be shown a film illustrating the lighting of the Pittsburgh Smithfield Street Bridge by replacing some of the steel parts with aluminum.

Constructing of a coffer dam by the novel method of dropping a concrete obelisk was accomplished at the Chute A. Caron hydraulic development of the Aluminum Company of America. The film showing the feat is the same as that shown before the society two years ago.

Will Develop a Million H. P.

This development will have an eventual maximum capacity of 1,000,000 H. P., this enormous power being necessary for the Aluminum Company's vast projects. The difficulty was that there was not sufficient time to build an ordinary coffer dam and then build the final dam at a point where the river was 65 feet deep. The solution was building the dam in a vertical position and tipping it into place by blasting. The complete details of the work will be shown in the motion pictures.

In the case of the Smithfield Street Bridge, the loads which the bridge was being required to support were becoming larger than the design of the bridge permitted. Rather than rebuild the bridge its life was increased by replacing some of the steel members such as floor plates with aluminum. This decreased the dead load to such an extent that the new live loads could be supported with safety.

Rules Below Will Govern Balloting On Wednesday

1. Voting shall be by preferential ballot. The voter numbers his candidates in the order of his preference. He may number as many as he likes.

2. All voting shall be done in the Main Lobby from 5 A. M. to 9 P. M., or in Rogers Building (Junior Prom Committee elections only) from 12:45 P. M. to 1:15 P. M.

3. The voter shall, on entrance to the polls, receive his ballot, which he shall fill out at a booth or screened table provided for the purpose.

4. The voter on exit shall separate the two portions of his ballot, dropping the upper portion in the ballot box and giving the lower portion containing his signature to the attendant at the exit.

5. All forms of electioneering at the polls and any attempts to form voting blocks, etc., shall be prohibited.

6. All persons shall vote only with the class to which they have been assigned by the Registrar, except as provided in the Constitution, Article IV, Section 3, on page 152 of the T. C. A. Handbook.

PLAN TO RELEASE WEATHER BALLOONS

Institute To Continue Studies
Of Air Conditions At
15-Mile Height

Continuing its studies of weather conditions, the Institute has announced another plan to send balloons into the heavens to collect data for its research. This time 35 instrument bearing balloons will be released from Lambert Field in St. Louis, where a similar investigation was carried out last February.

The balloons to be used in the new study are much larger than those employed earlier in the year, and may rise 15 miles or more above the sur-

(Continued on Page 6)

ATTORNEY TO SPEAK AT PROTEST MEETING

Release Of Anti-Hanfstaengel
Demonstrators Sought

In order to organize a protest against the sentences of six months given to six students and workers who were arrested during a demonstration against the presence of Ernst Hanfstaengel at Harvard this June, a meeting will be held Wednesday at three o'clock in Room 4-270.

(Continued on Page 4)

Twenty-Six Percent of Books in Institute Library in Circulation During Last Year

Lending of Books at Technology
Constantly Increasing in Spite
of Decreasing Registration of
Students During Past Several
Years.

Of a total of 295,997 books in the Institute Library at the present time, 77,563 were circulated during the last school year.

Branch Libraries circulated about half of this total and the rest were borrowed from the Central Library under the Great Dome. The total number of books circulated during one year is equal to more than 26% of the total contents of the Libraries and is an increase of about 30% over the circulation in the preceding year.

Circulation of the Central Library during the year 1933-34 included the

FRESHMAN CLASS, PROM COMMITTEE POLLS TOMORROW

Election Booths in Main Lobby
To Be Open From Nine
To Five O'Clock

FRESHMAN NOMINEES' PICTURES DISPLAYED

Juniors Only Vote In Rogers;
Preferential System
Used Again

Election booths in the Main Lobby will be open from 9 to 5 o'clock, or in Rogers Building from 12:45 to 1:15 o'clock, tomorrow for the election of freshman Class Officers and members of the Junior Prom Committee. Voting in Rogers Building shall be for election of the Junior Prom Committee only. Regulations for conduct at the polls and nominees for the Junior Prom Committee appear elsewhere in this issue. Freshman class nominations were published in last Friday's issue.

Pictures Are Displayed

Pictures of the freshman nominees will be posted in the Main Lobby this afternoon, and will remain there during the elections. This plan is being tried for the first time, and the photographs, taken at the candidate's own expense, are designed to facilitate the selection of officers.

Preferential ballots are used, the voter numbering those he selects for the office in order of his preference.

(Continued on Page 5)

TECH BOAT CLUB WILL PRESENT YACHT PARTY FRIDAY, NOVEMBER 16

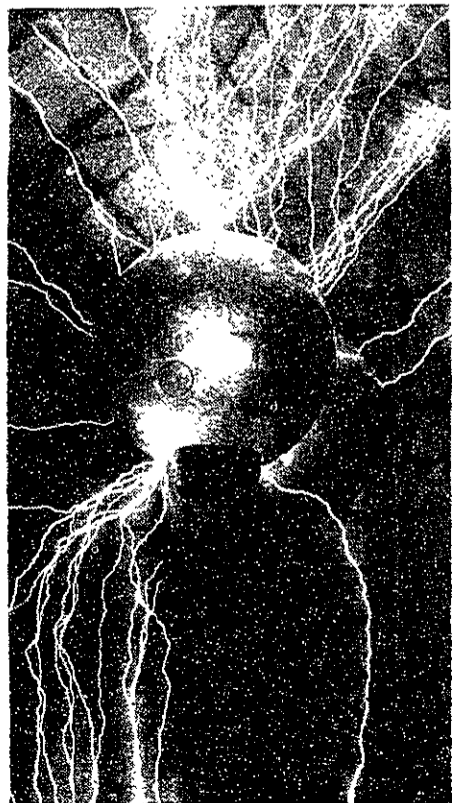
Over Three Hundred Couples
Are Expected To Attend
Dance In Walker

Promising to present a dance which will be equal to if not better than last year's occasion, the Tech Boat Club has announced that the annual Yacht Party will be held on November 16 from nine until two in the Main Hall of Walker Memorial.

Resembling closely the arrangement which was employed last year, the decorations will include a large shell which will be suspended from the ceiling in addition to life preservers, smoke stacks, ships' bells, signal flags, and other sea accessories to give the hall a nautical atmosphere. A gang plank will be placed at the entrance.

Tables will be arranged so as to give the affair a cabaret setting, a plan which was used last year and was approved by the guests. Individ-

(Continued on Page 5)



Van de Graaff Generator In Action

(Continued on Page 6)



Vol. LIV NOVEMBER 6, 1934 No. 42
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MANAGING BOARD

General Manager John D. Hoasfeld, '35
 Editor Paul Cohen, '35
 Managing Editor Hamilton H. Dow, '35
 Business Manager John D. Loomis, '35

EDITORIAL BOARD

Phoenix N. Dangel, '35 Perry H. Ware, '35
 Milton B. Dobrin, '36

ASSOCIATE BOARD

Assistant Editors
 Anton E. Hitti, '36 Ralph D. Morrison, Jr., '37
 August Y. MacKro, '36 Richard L. Odiorne, '36
 Robert J. Marks, '36 Francis S. Peterson, '36
 Harry N. Tichnor, '36

Business Associates
 Elwood H. Koontz, '36 Benjamin B. Dayton, '36
 Robert F. Driscoll, '36 James F. Notman, '35

Staff Writers

Arthur A. Carota, '36 Charles J. Rife, '36
 Jackson H. Cook, '36 Charles W. Smith, '35
 Louis C. Young, '36 Francis H. Lessard, '36
 Associate Advertising Manager: Oscar A. Fick, Jr., '36

OFFICES OF THE TECH

News and Editorial—Room 3, Walker Memorial, Cambridge, Mass.
 Telephone, University 7029
 Business—Room 302, Walker
 Telephone, University 7415

SUBSCRIPTION, \$1.80 Per Year
 Published every Tuesday and Friday during the College year,
 except during College vacation
 Entered as Second Class Matter at the Boston Post Office
 Member Eastern Intercollegiate Newspaper Association

In Charge of This Issue: Robert J. Marks, '36

ANOTHER MAJOR SPORT

NO GOOSE STEP

"WAR," said an army officer, lecturing to an MS21 section at 9 o'clock yesterday morning, "is the most highly competitive sport." Reaction of the students, who, taking an action rarely seen in a class room, expressed their disagreement audibly.

The Captain, though somewhat bluntly, merely gave expression to a feeling widespread among military officers, that war is an exciting pursuit, a game which one plays with relish, rather than a necessary but undesirable business sometimes. The sentimental code which finds honor, glory and excitement in war has been discredited by modern experience. If soldiers feel that belief in such a code will make them more efficient, let them keep it, but considering the mores of today's generations, any public expression of these outworn standards must expect to be rudely received, and rightly so. This paper feels that the state of mind which leads to outspoken disagreement with the statement that war is a sport indicates a healthy and safe attitude for a country's youth.

CHISELERS

THE EASY WAY

LIFE as a dynamic macrocosm is in more than one way reflected, although upon a miniature scale, in our seemingly prosaic existence at the Institute. There are the same controlling forces which tend to suppress any radical divergence from the routine path, and—as in life as an entirety—these forces may be divided generally into the "natural" and the social. The "natural" forces about us are almost as immutable as their omnipotent originals, and the social forces are characterized by the same weaknesses prevalent in any group of biological organisms.

Parasitic growths, although they are usually ejected when they become too irritating to those upon whom they live or too radical to survive in the face of the existing laws of ethics, are nevertheless with us in amount sufficient to make themselves felt if not to provoke the actual discontinuation of their subsistence.

We speak, to be specific, of that menace known as the "copier". Leading an otherwise normal human life, it imitates the efforts of others who have the initiative to work, and as a result it receives, save when its fraudulent practices are detected, the same recompense as those who really expend that effort. In order to fool itself into believing that it is really not missing anything so far as experience is concerned, the member of that species frequently calls the subject of the work profane names and attempts to consider any ex-

perience or knowledge connected with it as worthless.

Could the "copier" but recall that quite a sum is spent in putting him through four years at the Institute, he might reconsider and change his ways. It would be better if he did not come to the Institute at all, rather than come here and form habits which are bound to leave him in a varying state of dependence at the end of his educational career.

"FREE" MEN

SINCERITY OF EXPRESSION

EVEN the American Legion would consider as 100% American that virtue of the pioneer which made him say what he thought completely independent of, and fiercely resenting, interference. It sometimes took the form of the old frontiersman's advice to his son. "My boy," said he, "always live so that you can walk up to any man, spit in his eye, and tell him to go to hell." These huntsmen and farmers, though their thinking was often sloppy, prejudiced and infiltrated with superstition, created a democracy, the members of which, to a much greater extent than today, knew the luxury of integrity and publicly expressed opinions to an extent unknown in this "refined" age.

These men were free. They were poor and as subject to the vicissitudes of fate as any factory laborer, but one burden they did not bear, the fear of antagonizing a boss, a superior whose whim could deprive them of livelihood.

There are few free men left. We all have masters; the reporter has his editor; the editor, a publisher; the publisher purrs gently to his advertisers. Too often does the worker fail to join a union because his boss will disapprove; too often will a man pick his political opinions according to his superior's lead; too seldom will he object to political or business exploitation, loudly, raucously and impolitely, as would a backwoodsman, for fear of being branded an agitator, a nuisance, with a consequent restriction on his opportunities.

A man's opinions are tied up with his bread and butter. It takes more than a clause in the Constitution to make men free, more than the lack of official censorship to make a free press. For every William Randolph Hearst there are thirty of his editors, for every labor leader a 1000 workers who feel as he does but dare not say so.

A heavy and partly unsuspected price has been paid for this society where most men depend for their subsistence not on impartial nature but on their fellow men.

ROME IN BOSTON

ELECTIONS

THE politicians of the later period of ancient Rome provided gigantic spectacles to entertain the mass of voters. Political success came to be measured by the splendor of these shows; therefore vast sums of money were expended by office seekers to gain the votes of the pleasure-seeking plebians. Yet the people did not stop to think that the money being squandered for their entertainment was to come eventually from their own pockets. The successful candidates paid their huge debts from the wealth they were able to filch while in power.

For the past few weeks the warring parties have provided the people of Boston with considerable entertainment. Who pays for this? The parties will answer that the money to defray the expenses of their campaigns is donated by unselfish individuals bent only upon providing the state with the finest in government. The truth is that there are two major sources of campaign money.

The first is the vast horde of seekers after special privilege and selfish gain. Petty politicians and prospective state employees are of this class as are also private business interests desiring special legislation.

The second large source of campaign money is the army of present state employees who are aware that the continuance of their employment is dependent upon the whims of the politicians in power. They cater to these whims with money that most of them have worked hard to earn and in so doing only increase their slavery. For by recognizing and paying tribute to the system they strengthen it and so remove still further the possibility of ending its reign.

With these and sundry other facts in mind it appears that prospects for an outstanding state administration are not too bright no matter who wins the election. As all too often happens in democratic political contests the choice of the people is not between a good man and a poor one, but between an indifferent candidate and a worse one.

The editor cannot honestly urge his readers to vote for one man or the other. The present case is one where no blame can be attached to the voter who stays home and washes the cat.



Priority

It is a boast of many students of humor (*Voo Doo* and *Dorm Rumor* publishers excepted) that any joke can be traced back through history as far as the searcher desires, the outward semblance changing, but the twist of meaning or wording which incites the risibility of the hearer remaining the same. We applied the method to one of Ed Wynn's humorisms the other night, and the result surprised us.

The "Perfect Fool" in his advice to the lovelorn read the following letter. "My father insists that I marry a go-getter. What shall I do?—In a Quandary."

"Dear In a Quandry," began the Fire Chief, "don't marry a go-getter, marry a have gone and gotter."

All of which simmers down to that controversial remark which our contemporary columnist Tubby, made some years ago about marrying the boss's daughter. Which he retracted when the boss went broke.

Pests

We have developed two particular aversions since the beginning of the term. The first is directed against that pest who snaps his fingers loudly when we try to get the attention of an instructor by raising our hand. We've had more than one prof. give us dirty looks for being so boisterous.

The second case concerns the fellow who sneaks up in back of us in the drafting room, bends the electric light in back of us so that the shade is over our head, and then with a quick flip of his wrist loosens the joint, and the contrivance descends abruptly on our head.

Sport for Sport's Sake

We have long wondered how many of the instructors and faculty members come about those peculiar ideas of which each pedant possesses at least one. For example, Capt. Hyde, addressing his Sophomore R.O.T.C. class the other day, remarked that "War is the greatest competitive sport." We'll take ping-pong, if you please.

Competitions:

We've been hearing so many competitions via the air waves, in which you win a genuine pony with saddle, or a trip to Europe with all expenses paid, that we're going to sponsor one ourselves. As you know, the ordinary run of contests does not require a great amount of mental ability, being chiefly concerned with the compos-

VOO-DOO IS AFRAID TO MEET THE TECH ON FIELD

(Continued from Page 1)

heat *Voo Doo* are praying fervently that the challenge will be accepted as soon as the courage of the recipients of the challenge has risen sufficiently.

One word of advice to the infantry. Prepare eleven beds ready for occupancy two minutes after the game starts. Hire 11 pair of stretcher carriers and have them learn carefully the uniform numbers of *Voo Doo* players as said players will be unrecognizable after about 2½ plays.

ing of a great number of names made from the title "Pennywhistle's Petting-Punch-bowls" or some similar appellation. The person submitting the greatest number of names is the winner.

Worms

We, however, have decided upon a more serious contest. Some of you may have noticed the great number of worms which appear on the sidewalk between Walker and Building 2 on rainy days. Now, at the middle of the sidewalk is higher than one worm length, and has perpendicular sides. We invite you to submit a logical explanation of how the worms get on the walk, an estimate of how many do so, and a solution to the problem of what happens to those who get stepped on, and are so flattened that it is impossible for them to move away under their own power. They always disappear, the morning after, however, and we want to know how.

The winner of this contest will be rewarded by having his answer printed in this column. We promise not to cut more than ninety per cent off. So get out your slide rules, all you potential engineers, and see what sort of a job you can do.

D - - - R - - -

Apparently discouraged by the increasing depth to which discarded copies of the D - - - R - - - litter the floor of the Dormitory office on the day of publication, the editors have attempted to enlarge their circulation by prodding the dear old *Techie*. The *Techie*, of course, when prodded promptly made answer, but in doing so inadvertently mentioned the name of the R - - - .

Fortunately our spies are very alert, and now that this information has been relayed to us, dear readers we can assure you that we shall not annoy you by any further mention of the name of a sheet which does not hold enough interest for you to make you carry it from your box in the office to your room.

At the same time we are forwarding to the editors a list of our regular advertising rates.

Boston's Smartest Rendezvous

CAFE TOURAINE

—featuring—

PAYSON RAYE and his **MUSIC**

DON HOWARD
 Star of Radio and Stage

THE HOTEL TOURAINE

Remodeled and Improved, Once Again Takes Its
 Place Among the Leading Hotels of America

LUNCHEONS DAILY—CONCERT MUSIC

BANQUET AND FUNCTION ROOMS
 FOR ALL PURPOSES—FOR ANY SIZE GROUP
 RATES UPON REQUEST

HOTEL TOURAINE

BOSTON

COULON-LA FRANCHE MANAGEMENT
 George A. Turain, Gen. Manager

UNDERGRADUATE CONSTITUTION

Editor's Note: In this issue we continue publication of the Undergraduate Constitution which, as we stated in Friday's issue, we believe should be familiar to every student. This installment begins with Article VII of the body of the constitution.

ARTICLE VII

No meeting shall begin or continue unless at least a quorum of two-thirds the total membership is present.

ARTICLE VIII

Section 1. No fines shall be levied for lateness or absence but such lateness and absence shall be published in the issue of THE TECH following the meeting at which such lateness or absence occurs.

Section 2. Proxies will be accepted for absence as defined in Section 3.

Section 3. If the full representation of any organization is not present at two consecutive meetings of The Institute Committee, and if any organization has consecutively two proxies and an absence in any order, that organization shall forfeit its right to representation on the Committee, which representation shall not be granted until The Institute Committee has been in receipt of a formal petition from the organization giving due assurance that such absence shall not recur, and shall have passed on this petition in accordance with Article IX, Section 3, of these By-Laws.

ARTICLE IX

Section 1. To be granted representation on The Institute Committee, an organization must have existed one and one-half calendar years, and must either have had a minimum of fifty (50) students taking active part in it during one Institute term, or must have traditions which render it worthy of representation.

Section 2. Having fulfilled these requirements, the organization may be granted representation at the discretion of The Institute Committee, a two-thirds vote of all members present being required.

ARTICLE X

Section 1. Any organization appearing before the public as an M.I.T. undergraduate organization must first be granted this privilege by a two-thirds vote of The Institute Committee. This privilege may be withdrawn at any time by a similar vote providing the matter has been duly investigated and due notice has been given to the organization concerned. The constitutions of all such organizations shall be kept by The Institute Committee.

Section 2. The organizations so recognized are the organizations classified as Class A and Class B activities in Article IV, Section 7, of The Budget Committee Constitution, and the following:

- Alpha Chi Sigma
- Armenian Club
- Baton
- Beaver Club
- Beaver Key Society
- Benchmark
- Boat Club
- Catholic Club
- Chi Epsilon
- Chinese Students' Club
- Christian Science Organization
- Cleofan
- Dorclan
- Dorm Dinner Club
- Drama Shop
- Frieze and Cornice
- Grogo
- Hexalpha
- Liberal Club
- Masque
- Menorah Society
- Osiris
- Quadrangle Club
- Radio Society
- Scabbard & Blade
- Scroll
- Tau Beta Pi
- Track Club
- Unity Club
- Walker Club
- Woopgaroo

ARTICLE XI

There shall be three classes of sub-committees of The Institute Committee; all of which shall submit formal reports except that temporary committees may submit informal reports when authorized by the President of The Institute Committee, and that the Senior Week Committee shall submit financial reports and may submit the minutes of its meetings and the meet-

JUNIOR PROM NOMINATIONS

- John C. Austin
- Joseph A. Burns
- Herbert M. Borden
- Milton W. Brooks
- James L. Camp
- Everett H. Cargen, Jr.
- Henry Christensen, Jr.
- Norman A. Cocks, Jr.
- Richard A. Denton
- William B. duPont
- Harry E. Essley
- Edward F. Everett, Jr.
- Richard B. Fox
- George D. Frentzos
- John D. Gardiner
- William W. Garth, Jr.
- Robert S. Gillette
- John R. Graham
- Alwyn Gray
- Jack I. Hamilton
- James B. Henderson
- Marshall M. Holcombe

- Charles H. Holman
- Aurelius P. Hornor
- Allen W. Horton, Jr.
- Henry C. Johnson
- Robert F. Johnson
- Thomas L. Johnson
- Lawrence Kanters
- Frank L. Phillips
- Edward L. Pratt
- Charles F. B. Price, Jr.
- Ladislav Reday
- Scott Rethorst
- G. Elliot Robinson
- Henry C. Runkel
- Edward B. Rowe, Jr.
- Charles M. Saffer
- John V. Sharp
- Gordon C. Thomas
- Fletcher P. Thornton
- David E. Varner
- Robert K. Wead
- Arthur E. Wells, Jr.

ings of its sub-committees. The reports of the committees in section a, b, and c shall be submitted to The Institute Committee at its second meeting after the sub-committee ceases to function. The Senior Week Committee shall submit its report at the third meeting of The Institute Committee the following school year.

(a) Standing Committees, with the exception of the Field Day, Junior Prom, and Senior Week Committees, function throughout the entire year and carry out routine duties of The Institute Committee. The standing committees are:

1. Budget Committee
2. Elections Committee
3. Walker Memorial Committee
4. Field Day Committee
5. Junior Prom Committee
6. Senior Week Committee
7. Curriculum Committee

(b) Special committees which function every year may carry out certain details of the business of The Institute Committee. There are at present four of these committees: the All-Tech Smoker Committee, the Senior Ring Committee, Senior Dance Committee, and Freshman Rules Committee.

(c) Temporary committees which are appointed from time to time perform such duties as The Institute Committee shall specify.

ARTICLE XII

Proper changes of these By-Laws may be made by a vote of two-thirds of the members of the Committee at any meeting of that body, providing three days' notice of the intended change has been given to all the members of the Committee.

BUDGET COMMITTEE

ARTICLE I

The name of this Committee shall be The Budget Committee.

ARTICLE II

The purpose of this Committee shall be to regulate the expenditures of all money received through the undergraduate dues, and to collect and permanently file financial reports of undergraduate activities as stated in Article IV, Section 5.

ARTICLE III

Section 1. This Committee shall consist of a Chairman, who shall be the ex-officio Treasurer of The Institute Committee, and of three associates, one of whom shall be the Treasurer of the M. I. T. Athletic Association, and two other members chosen from the Junior Class, and shall further consist of the Bursar of The Institute in an advisory capacity.

Section 2. The Chairman shall be a senior elected by the Executive Committee of The Institute Committee subject to the ratification of the Institute Committee at the first meeting of that Committee following class elections. The two junior members of the Budget Committee shall be elected by The Executive Committee of The Institute Committee. One member shall be elected subject to the ratification of The Institute Committee, at the second meeting of that Committee following the class elections. The other member shall be elected subject to the ratification of The Institute Committee at the first meeting of that Committee in the fall term.

ARTICLE IV

The duties of The Budget Committee shall be as follows:

1. It shall, at the third regular meeting of The Institute Committee in the fall term present a budget cov-

ering the expenditures of The Institute Committee, and of all its sub-committees.

2. To receive a budget at least two weeks before all expenditures from undergraduate organizations receiving money from The Undergraduate Dues.

3. To investigate all proposed expenditures of any undergraduate organization receiving money from The Undergraduate Dues, and approve or disapprove of this expenditure as it sees fit. No money from The Undergraduate Dues shall be spent by undergraduates until such expenditures have been approved by The Budget Committee. The Chairman of the Budget Committee shall pay no bill that has not been authorized by the Chairman of the Committee contracting the bill.

4. To submit copies of all approved budgets of athletic organizations spending money of the undergraduates' dues to the Treasurer of the M. I. T. Athletic Association.

5. To report the approved budgets for all the athletic teams at a meeting of the Institute Committee not later than the first meeting in December. This report shall contain the total amount budgeted to each team.

6. To receive and permanently file financial reports of Group A and B activities at the end of the fiscal year of each, such annual reports to be received not later than the second meeting of The Institute Committee following the close of the fiscal year of each activity. If an auditor's report is made for an activity by a certified public accountant, The Budget Committee shall receive a copy of that report in place of the treasurer's report. A fine of five dollars (\$5.00) shall be imposed for each late report.

7. To receive and permanently file monthly operating statements and balance sheets from the M. I. T. A. A., Musical Clubs, T. C. A., Technique, T. E. N., The Tech, and Voo Doo. A fine of one dollar shall be imposed for each report filed later than the fif-

teenth of the month following that for which it is compiled.

8. The annual dues for each organization coming under the jurisdiction of The Budget Committee shall be one dollar (\$1.00) payable January first, except that organizations financed by The Undergraduate Dues shall pay no dues to The Budget Committee. A fine of five dollars (\$5.00) shall be imposed for late payment of dues.

9. For the purpose of defining the groups of activities mentioned in Section 6, such grouping shall be as follows:

GROUP A

- The Institute Committee
- The four classes
- M. I. T. Athletic Association
- Musical Clubs
- Technology Christian Association
- Technique
- Tech Show
- Tech Engineering News
- The Tech
- Voo Doo

GROUP B

- Aeronautical Engineering Society
- American General Contractors of America, MIT Br.
- Chemical Society
- Civil Engineering Society
- Combined Professional Societies
- Commuters' Association
- Corporation XV
- Dormitory Committee
- Gridiron
- Interfraternity Conference
- M. I. T. Branch A. I. E. E.
- M. I. T. Branch A. I. M. E.
- M. I. T. Post Army Ordnance Assn.
- Mechanical Engineering Society
- Naval Architecture Society
- Physical Society
- Sedgewick Biological Society
- Society of Automotive Engineers

ARTICLE V

Section 1. The Budget Committee is empowered to levy a fine, of from five to ten dollars, against any organization contracting for expenditures of The Undergraduate Dues, previous to the approval of such expenditures by The Budget Committee.

Section 2. Such fines shall be paid for with funds other than those received from The Undergraduate Dues.

Section 3. Notification of such fines shall be sent to each member of The Executive Committee of the organization fined.

Section 4. The Chairman of The Budget Committee is empowered at his discretion to make no expenditures from The Undergraduate Dues in favor of the organization fined until such fine has been fully paid.

ARTICLE VI

Changes in these regulations may be made by two-thirds vote of the members present at any meeting of The Institute Committee.

ELECTIONS COMMITTEE

ARTICLE I

The name of this Committee shall be The Elections Committee.

ARTICLE II

The purpose of this Committee shall be to conduct elections as hereinafter provided.

ARTICLE III

Section 1. The Committee shall consist of a Chairman, who is in ex-

officio member of The Institute Committee, and seven associate members.

Section 2. The Chairman shall be a senior elected by The Executive Committee of The Institute Committee subject to the ratification of The Institute Committee at the first meeting of that Committee following class elections.

Section 3. The associate members shall be appointed by The Executive Committee of The Institute Committee subject to the ratification of The Institute Committee. At least two of these shall be members of the senior class, and at least three shall be members of the junior class.

ARTICLE IV

The duties of The Elections Committee shall be to carry on elections in accordance with the rules hereinafter stated:

Section 1. The Chairman of The Elections Committee shall turn over to the Secretary of The Institute Committee all ballots after the results of an election have been announced and the votes recounted as provided in Article IV, Section 13. The Secretary of The Institute Committee shall keep them for one month and then destroy them. The stubs shall be kept by the Chairman of The Elections Committee for one month.

Section 2. All class elections, Junior Prom Committee, Senior Week Committee, and Senior Class Marshals elections shall be by the preferential system of voting.

Section 3. All persons shall vote only with the class to which they are assigned by the Registrar, unless a written petition is sent to the Chairman of The Elections Committee requesting the right to vote with a class of which that person was previously a member. Evidence of the acceptance of such petition is given by permitting the person to vote in accordance with his desire as expressed in the petition. He then automatically becomes a member of the class with

(Continued on Page 4)

HERE IT IS

OUR NEW
Shawl Collar Tuxedo
"FOR RENTAL"



READ & WHITE
111 Summer Street, Boston
Woolworth Bldg., Prov., R. I.



Old Gold
CIGARETTES

THE TREASURE OF THEM ALL

THE THROAT-EASE CIGARETTE

"Who wouldn't prefer a cigarette that's easier on the throat" says Joan Blondell

See JOAN BLONDELL in Warner Bros. Picture, "DAMES"

UNDERGRADUATE CONSTITUTION

(Continued from Page 3)

which he votes and may vote in no other class for the remainder of the school year.

Section 4. A person is eligible to be nominated by members of his own class for but a single office in the class in which he is a voter except that only those who were members of the graduating class in their junior year shall be eligible for election to the Senior Week Committee.

Section 5. Nomination blanks shall be submitted in the following form:

We, the undersigned members of the Class of.....do hereby nominate..... for..... of our Class.

(Sponsors' signatures)
I hereby accept the nomination.
(Signature of nominee.....)

For all class elections there shall be the signatures of twenty-five (25) sponsors on the nomination blank, and no individual may sign the nomination blank of more than one candidate for any office. For the Junior Prom Committee election and Senior Week Committee election, there shall be the signatures of five (5) sponsors on the nomination blank.

The nominations for Senior Class Day Marshals shall require the signatures of twenty-five (25) sponsors.

Section 6. Nomination papers must be deposited in a locked box provided for the purpose between the hours of 9 A. M. on the Wednesday and 1 P. M. on the Thursday immediately preceding the election or else they will not be accepted.

Section 7. The ballot shall contain a complete list of nominees, grouped according to offices and arranged in alphabetical order. It shall be perforated along a line one and one-half (1 1/2) inches from the bottom edge. The lower portion shall contain a space for the voter's signature and shall have a number corresponding to that on the upper portion. Each ballot shall be numbered consecutively.

CO-EDGEWISE

The Hallowe'en Party held by Cleofan in the Emma Rogers Room last Thursday proved to be no less than a linen shower in disguise.

The shower was given for Miss Landon Priscilla Bunker, a member of the Class of 1935.

Each of the coeds, who knew Miss Bunker personally, received an invitation to the wedding and to the tea

Section 8. The Chairman shall have the required number of ballots in his possession at least twenty-four (24) hours before the opening of the poll. The ballots required for mailing shall be in the possession of the Chairman by three P. M. on the Saturday preceding the day of elections.

Section 9. In the annual spring elections, the ballots of each class shall be a separate color.

Section 10. All elections shall be held on Wednesday the day before the Thursday on which there is a meeting of The Institute Committee.

(a) The Freshman Class elections shall be held on the Wednesday of the first or second week following Field Day.

(b) The Junior Prom Committee election shall be on the first or second Wednesday of November.

(c) The Senior Week Committee election shall be held on the second or third Wednesday following the beginning of the second term.

(d) The annual spring class elections shall be held on the first, second or third Wednesday in April.

Section 11. The date of election and the date upon which nominations are due shall be publicly announced two weeks before the day of the election.

Voting regulations, date and place of the election, and a list of the nominees shall be printed in The Tech on the Monday preceding the day of election. The polls shall be open from 8:30 A. M. until 5:20 P. M.

which will be held at her home following the wedding.

The shower, a complete surprise to Miss Bunker, came at the end of a very successful Hallowe'en Party.

As a fitting climax, everyone gathered around an ingenious witches' caldron, which, up to this time, had seemed to be only added decoration. Two streamers coming from the depth of the caldron were attached cards each bearing the name of a coed. At the other end of the streamers were cards upon which were inscribed the fortunes of our lassies. Miss Bunker's, however, merely instructed her to reach into the caldron. Fearing that she might be the victim of a hoax, she reached in reluctantly and to her surprise drew forth a number of gaily wrapped gifts.

Thus, with combined Hallowe'en and matrimonial spirit Cleofan was revived once again.

SHOW VAN DE GRAAFF GENERATOR TOMORROW

(Continued from Page 1)

The spheres, which are the heart of the generator are constructed of 1/4 inch aluminum alloy and weighs 3000 pounds each. The electric current is carried up to these spheres by means of a paper belt four feet wide which travels at the rate of a mile a minute. Each of the spheres has a floor and is equipped as a laboratory.

The apparatus was designed to study the atom, the nucleus of which is about one one-millionth the diameter of the atom. As the nucleus contains 99% of the mass and energy of the atom it is of great interest to sci-

College men and women are on the average taller than those young men and women who do not attend an institution of higher learning, it has been revealed by Dr. Harold S. Diehl, of the University of Minnesota medical faculty, after an extensive investigation of the heights of more than 40,000 college students.—Rensselaer Polytechnic.

ence. The energy in the central part is about 5,000,000 volts and if the atom is to be broken up voltages as large as this must be obtained. When work was started in this field there was available currents of only 500,000 volts, and construction of some kind of generator to make voltages of at least 5,000,000 volts was found necessary. This apparatus was designed and built at Round Hill. It generates currents ranging from 5,000,000 volts to 10,000,000 volts (the maximum has not yet been attained) and a power output of about 10 kilowatts.

A vacuum tube connects the two balls and it is through this that the current travels. The current must travel through this in order that it will not dissipate and lose its velocity. During an experiment men will work within the two balls. In one ball a man will operate a low voltage electric arc which supplies either electrons or protons which are used as bullets. These bullets are carried along the vacuum tube at a velocity of about 100,000 miles per second by the high voltage current and are aimed at some target such as lithium. When the bullets hit the target the atoms of the target will be changed. Lithium has thus been changed to helium and much energy has been given out during the change. Artificial radio activity and new kinds of radiation called positive electrons and neutrons have also been produced by the bombardment of elements by these bullets.

ATTORNEY WILL SPEAK AT PROTEST MEETING

(Continued from Page 1)

Attorney Warner, who represented the defendants at their trial, will speak at the meeting. He will also show slides of the demonstration.

Plans are being made to organize student and faculty committees which will see Governor Ely in an effort to have him pardon the six or reduce their sentences. Fourteen faculty members have already agreed to join the committee. Committees are also being organized at Harvard.

KEN REEVES WILL PLAY AT MILITARY DANCE

(Continued from Page 1)

Formal invitations will be available for those purchasing tickets. Samples of these invitations are on display on the poster in the Main Lobby, and they may be obtained in the lobby any week-day between 12 and 2 o'clock, beginning Tuesday, November 13.

Major General Fox Conner, Commandant of the First Corps Area, has been invited to attend. Other invited guests include Brigadier General Allison Hamilton and Captain C. W. Hamilton of the First Corps Area, in addition to Professor Leicester F. Hamilton, and all members of the Military Science Department.

Tickets may be secured from Damon E. Francisco, '35, chairman of the Social Committee, any member of Scabbard and Blade, or at the Dormitory Office.



THE STICKEM SISTERS!

Lovely girls!... the greatest pair of Clinging Vines that ever came to Kollidge. Clever no end! Can mend and label books, mount paper on the drawing board and help in countless other places where paper or cloth must be stuck to each other or to wood, cloth, glass or leather. Ask for 'em by name!

CHAS. M. HIGGINS & CO., 271 9th St., Bklyn, N.Y.

HIGGINS' DRAWING BOARD & LIBRARY PASTE

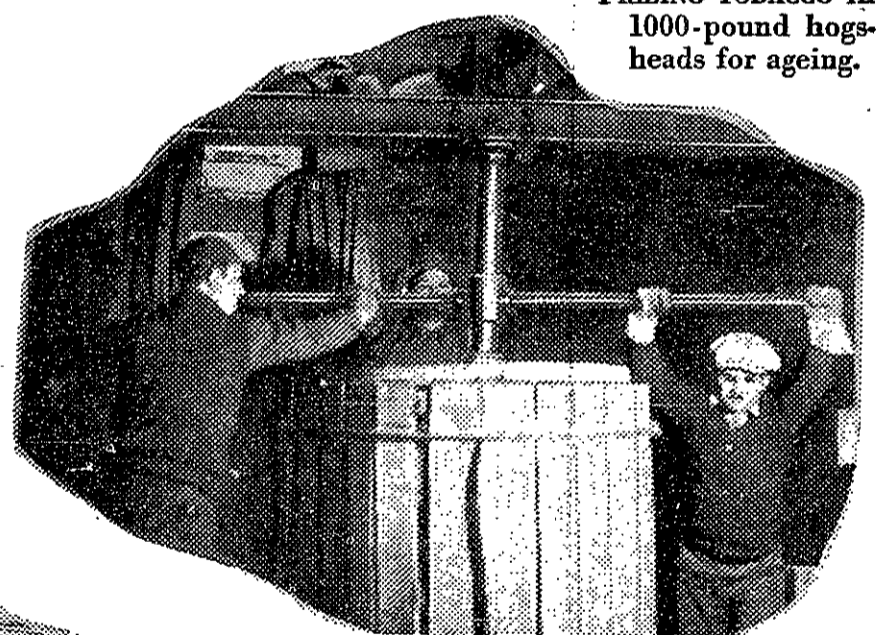
To age and mellow tobaccos just right to give Chesterfield its milder better taste...

it takes Time

WE have tried a good many methods to age cigarette tobacco, but we have never found any method that equals the slow old-fashioned plan of ageing it in wooden casks for two years or more.

All the tobaccos we use in Chesterfields are aged this way.

It takes time, money, and miles of warehouses—but it's the one way to make a milder better cigarette.



PRIZING TOBACCO in 1000-pound hogs-heads for ageing.



TOBACCO AGEING in storage warehouses.



INSPECTING TOBACCO before going to the factories for blending.

the cigarette that's MILDER the cigarette that TASTES BETTER.

TECH SOCCER TEAM LOSES TO BROWN

Tech Men Drop Spirited Contest To Brown Booters; Final Score 5 To 1

After a hard-fought battle at Providence last Saturday, the Technology soccer team finally had to bow to the Brown team to the tune of 5 to 1. The Technology men gave the Bruins a stiff battle throughout the game. In fact, during the first half, though neither of the teams scored, M. I. T. had the edge over Brown, keeping the ball in foreign territory most of the time.

The third quarter proved disastrous for Tech. Brown drew first blood by scoring a goal on a free kick, and then tallied in rapid succession with two more goals. The Engineers, however, rallied and stopped the Bear's rush. In the final quarter, Technology bucked up and showed the Brown team a fine brand of playing. Brown scored two goals during this quarter, while Dressely scored a goal for Tech from a "corner-kick" play.

A feature which characterized the Technology team was the fine spirit that each man showed. Captain "Fuzzy" Forsburg's flashy playing and determination to fight makes him an inspiring leader of the M. I. T. soccer team.

HEAVY CREWS REMAIN ON RIVER INDEFINITELY

All heavy crews will continue to row each morning at seven until ice on the Charles stops them, it was decided by Coach Bill Haines last week.

The 150 lb. crews, however, will take their workouts Tuesday and Thursday at four in the afternoon. All freshman crews have already left the river and members are required to spend three 20 minute periods a week on the rowing machines.

Undergraduate Notes

Sophomore managers for the wrestling team are wanted. Men interested should leave their names in the Wrestling box in the A. A. office on the third floor of Walker Memorial. If at the Hangar Gym, the men interested may call on Jay Ricks or see Manager H. C. Johnson on Monday, Wednesday or Friday afternoons.

A mass meeting of the hockey team will be held in Room 10-275 on Wednesday, November 7. George Owen who will coach the Beavers this year will speak. All candidates who expect to go out for the team this year should attend this meeting. This also includes all those who intend to play with the freshman team.

GRADUATE HOUSE HAS FIRST AFTERNOON TEA

On Sunday afternoon the Graduate House inaugurated a new series of afternoon teas which will be given at various intervals throughout the academic year. As is the custom for these functions tea was served in the library and living room of Crafts where some two hundred guests, including members of the faculty, were present between the hours of four and six.

BOAT CLUB GIVES YACHT PARTY ON NOVEMBER 23

(Continued from Page 1)
Tables may be reserved in the main lobby beginning November 12. A valuable prize will be given to the winner of a "Scientific Scavenger Hunt", which will be held throughout the dance. Music will be furnished by Armando Corea and his orchestra, who have been playing regularly over station WAAB. Corea has played in several establishments popular with students. Over three hundred couples are expected to attend the affair. Tickets will be on sale tomorrow; price, \$1.50.

SPORTS COMMENT

Mort Jenkins' bad knee kept him out of the cross-country run yesterday, but the rest of the team turned in a creditable performance in defeating the Holy Cross harriers, 24-35. Ed Kenny of the visitors did not do as well as was expected of him, but O'Connor of the Worcester crew ran surprisingly well in taking the individual honors in the race. It is expected that Jenkins' knee will be back to normal soon so that he should be at his best for the I.C.A.A.A. Championships at New York on November 19.

In the scrimmaging to date the freshmen basketballers have shown up well and give promise of putting a fast team on the floor. There are quite a few big lads on the squad and if size were any indication they would be world-beaters. Subsequent practices will demonstrate whether the big boys are capable of making the grade.

A sure sign that winter is nearly upon us is the appearance of posters announcing that there will be a mass meeting on Wednesday for candidates for the hockey team. In the practices starting next Monday, Coach George Owen will have a rather hard job on his hands. He will have to find men to replace Hrones, Milliken, and Daley. The first two graduated last June and Daley was the victim of an accident this summer. Paul was captain-elect and his inability to play this year has created a big hole for Coach Owen to fill.

HOCKEY CAPTAIN OUT FULL SEASON

Early Practices Will Be Held In Order To Weld New Combination

Loss for the entire season of Captain Paul W. Daley, '35, who was injured in an automobile accident, is a severe blow to the 1934-35 Tech hockey team. Accordingly, Manager Towers Doggett, '36, was somewhat uncertain about the prospects of the octette.

Nevertheless, Coach George Owen, who is beginning his first full year as head prexy will have the following six letter men about which to build his team: Jean L. Leman, '36, Frederick D. Mathias, '36, James F. Notman, '36, George F. Forsburg, '35, Herbert F. Goodwin, '36, and Donald W. Kenney, '36.

Early Practices Planned

Practices will begin earlier than usual this year; the first practice will be held next Monday at the Boston Arena, Mass. Avenue, and St. Botolph St. at 7:45 P. M.

Prospective candidates for the hockey team should attend the mass meeting to be held tomorrow in room 10-275 at 5 P. M.

CROSS COUNTRY TEAM BEATS PURPLE RUNNERS

(Continued from Page 1)

pionships which are to be held at Franklin Park on Saturday.

The order of the first ten finishers is:

- | | |
|-------------|------------|
| 1. O'Connor | Holy Cross |
| 2. Talbert | Tech |
| 3. Bates | Tech |
| 4. Chalmers | Tech |
| 5. Spellane | Holy Cross |

BLIND HANDICAPS PLEASE ENTRANTS

New Type Of Handicap Meet Satisfactory To All Concerned

Although the turn out was no larger than usual, Tech's first blind handicap track meet, which was held at Tech Field last Saturday, was deemed entirely successful both by the contestants and Coach Hedlund. The handicaps were drawn from a hat at the last minute without regard to natural ability.

Although this was not an inter-class meet, it is interesting to note that the Sophomores won three firsts, the freshmen two firsts, and the Juniors one first. The best that the Seniors did was to place two thirds.

Summaries:

150-yard dash—Won by N. Sabi, '37; second, W. Nygaard, '37; third, E. Corea, '37. Time—15s.

120-yard dash—Won by A. Faatz, '37; second, G. Wilkes, '37; third, T. Blair, '35. Time—14 1/5s.

3/4-mile run—Won by G. Hain, '36; second, N. Sabi, '37; third, T. Blair, '35. Time—3m., 37s.

Shot Put—Won by J. Hegeman, '37; second, H. Runkel, '36; third, R. Hermann, '37. Distance—41 ft. 9 1/2 in.

Javelin Throw—Won by G. Brewer, '38; second, A. Bates, '38; third, P. Shirley, '38. Distance—151 ft.

Hammer Throw—Won by S. Steere, '38; second, R. Treat, '38; third, R. Hermann, '37. Distance—133 ft., 7 in.

- | | |
|-------------|------------|
| 6. Kenney | Holy Cross |
| 7. Cooper | Tech |
| 8. Oaks | Tech |
| 9. Fitch | Tech |
| 10. Mathews | Tech |

The last four to cross the line were Holy Cross men. The winning time was 23 minutes 1 2/5 seconds.

Away From The Grind . . .

What is the favorite indoor sport at Tech? What form of recreation is most soothing to a brain bristling with mathematical formulae? What can make a student forget that Tuesday he has a Physical Chem. quiz? Answer: fraternity dances.

Last Friday evening the Delta Upsilon fraternity gave a conservative, well managed dance. The members of the chapter were considerate hosts. Esquire and his band provided excellent music, performing particularly well on the fast pieces. The refreshments were unique, fruit took the place of the usual ice cream.

The Phi Sigma Kappa dance, Saturday evening, was one which would be hard to duplicate. Esquire and his band again furnished their singular brand of melody and rhythm. An amplifying system was used with loud speakers at strategic points so that the music could be heard throughout the house.

Ken Reeves and his smooth orchestra played to perfection pieces with lazy rhythm, at the Delta Kappa Epsilon dance Saturday night. Toward the end of the evening the spirit of the party was noticeably increased by the advent of particularly well mixed punch.

The Beta Theta Pi barn dance is dead; long live the costume party. Timbers of the old Boston Yacht Club fairly swayed to the lively strains of

PRESENT SENIORS ARE ONLY WHO RECALL CIRCUS

(Continued from Page 1)

T.C.A., and Steve Passas, world champion wrestler, offered to pull anyone apart who was willing to undergo the risk.

Filter Paper Banned

Any mention of a Tech Circus would be incomplete without a reference to Filter Paper, the Institute's own tabloid, which was issued at the last Circus despite a ban by the Institute Committee. Composite pictures of well known individuals were a surprise to everybody, including the individuals themselves. The last editors of the paper were heavily penalized by Institute Committee.

JUNIORS AND FRESHMEN VOTE FOR OFFICERS

(Continued from Page 1)

The voter may number as many as he chooses. Upon leaving the polls, he must deposit the numbered stub bearing his signature with the attendant at the exit. The method of counting ballots, and other election regulations, are explained in the T. C. A. Handbook, beginning on page 150.

Henry Miller's orchestra, last Friday night. Many members of the fraternity went costumed as convicts.

The music furnished by Tom Anderson's orchestra at the Lambda Chi Alpha dance Friday night was good, but the playing of it must have tired Tommy and his cohorts considerably, judging from the length of the intermission.

There's Never a Dull Moment at

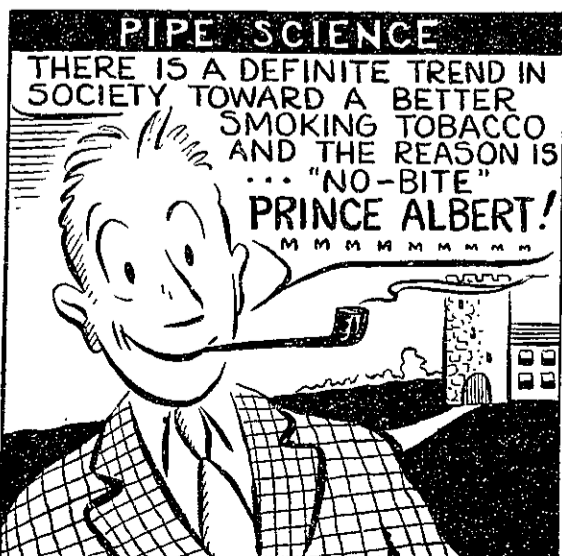
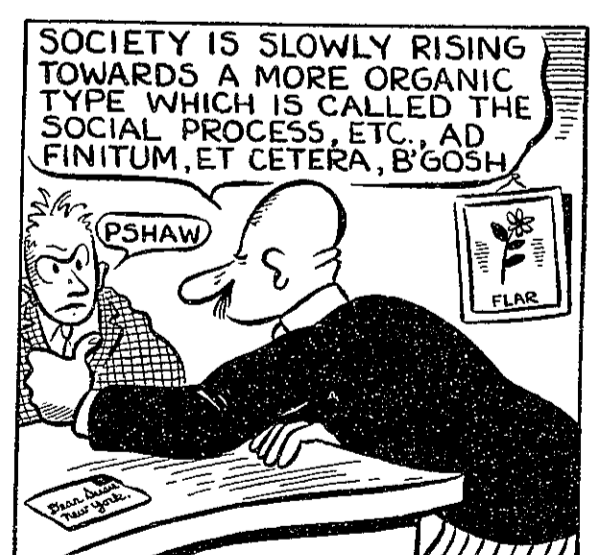
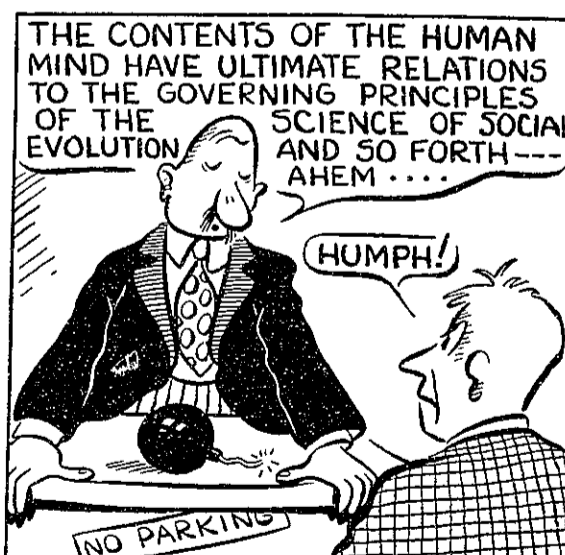
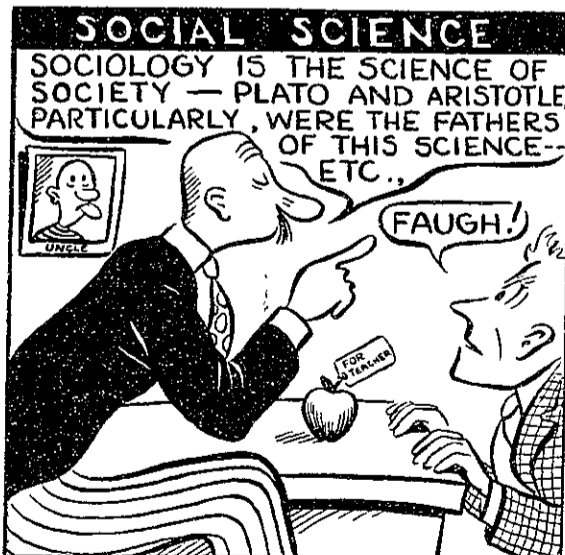
AMERICAN HOUSE RATHSKELLER

- LEO HANNON and his AMERICAN HOUSE ORCHESTRA
- WALTER DONAHUE MASTER OF CEREMONIES
- BIG FLOOR SHOW
- 7-COURSE DINNER \$1.50
- CHOICE LIQUORS

NO COVER CHARGE—FREE PARKING

BANQUETS—FUNCTIONS

We invite M. I. T. organizations to investigate our special rates for banquets and other group functions.



AFTER EVERY CLASS IT RINGS THE BELL!

IT IS not only top-quality tobaccos that make Prince Albert the finest smoking tobacco you have ever tried—in addition, these choice tobaccos are blended by a secret method and then treated by a special process which absolutely removes all the "bite." You'll enjoy this mellow smoke—full of rich, smooth flavor!

PRINCE ALBERT

—THE NATIONAL JOY SMOKE!



Copyright, 1934, R. J. Reynolds Tobacco Company

CALENDAR

Tuesday, November 6

3:00—Technology Matrons Afternoon Tea, North Hall, Walker Memorial.
 5:00—Glee Club Rehearsal, Room 10-250.
 5:00—M. I. T. Banjo Club Rehearsal, East Lounge.
 6:00—Scabbard and Blade Smoker, North Hall, Walker Memorial.
 6:30—M. I. T. Orchestra Rehearsal, Room 10-250.
 7:00—Sigma Chi Basketball Practice, Hangar Gymnasium.

Wednesday, November 7

3:00—Meeting to protest sentences of anti-Hanfstaengel demonstrators, Room 4-270.
 5:00—Polls Close, Main Lobby.
 6:15—Graduate House Dinner Club, North Hall, Walker Memorial.

Thursday, November 8

3:00—Theoretical Seminar, "Electronic Structure of Metals, III," Prof. J. C. Slater, Eastman Lecture Hall.
 4:30—Physical Colloquium, "The Yielding of Ductile Materials," C. W. MacGregor; "Papers on Plasticity and Brittleness," Prof. J. C. Slater, Eastman Lecture Hall.
 5:00—Institute Committee Meeting, East Lounge, Walker Memorial.
 5:00—Glee Club Rehearsal, Room 10-250.
 6:30—M. I. T. Orchestra Rehearsal, Room 10-250.
 7:00—Sigma Chi Basketball Practice, Hangar Gymnasium.

QUARTER OF BOOKS ARE CIRCULATED DURING YEAR

(Continued from Page 1)

Miscellaneous 337
 M. I. T. Thesis 889
 Current Periodicals 6,827

Total 37,709

Branch Libraries Increase Circulation

In the branch libraries only 821 books were loaned in 1933-34 more than in 1932-33. The branch libraries include the following separate libraries about the Institute: Aeronautics, Architecture, Civil Engineering, Economics, Eastman, Lindgren, Mathematics, Naval Architecture, Walker Memorial. The Walker Memorial

branch led in circulation with 13,544 and the Lindgren Library was second with 7,639. The Economics and the Architecture libraries were nearly tied for third place with circulations of 5,888 and 5,026 books respectively.

Circulation Constantly Increasing

Since the school year 1929-30, circulation of books in the Technology Libraries has been constantly increasing. In the last year 75% more books were loaned than during a year five years ago. Comparative circulation for the five years is shown in the following:

Year	Volumes Circulated
1929-30	44,913
1930-31	54,983
1931-32	68,483

DAUPHINE CHOSEN AS M. S. CANDIDATE

Will Represent The Institute In First Corps Area For Pershing Medal

Thonet C. Dauphiné, '35, has been selected as candidate from the Institute for the award of the Civilian Military Education Fund. An outstanding senior in R.O.T.C. at each educational institution is chosen to compete for the prize in the First Corps Area. A three day expense-paid trip to Washington where the Pershing Gold Medal is awarded is given to the winner.

The selection of Dauphiné was made on the basis of scholastic standing and his achievement in campus and military leadership, efficiency in training, character and appearance. Only those students who have attended the 1934 R.O.T.C. are eligible.

A scholastic rating of 4.44 places Dauphiné in the upper tenth of his class. In military studies, has rating is 4.67. He stands third in R.O.T.C. subjects. He is a member of Scabbard and Blade, Alpha Chi Sigma, Tau Beta Pi and was secretary of the Junior Class and a member of the Junior Prom Committee.

1932-33	75,279
1933-34	77,563

Nor is this great increase due to greater numbers of students at the Institute, for registration at Technology was several hundred greater in 1929-30 than in 1933-34.

More Than \$19,000 Spent in Additions

In the last year a total of 8524 volumes have been added to the Institute Libraries at a cost of 19,178 dollars.

About half of these have been added to the Central Library and the remainder have been distributed among the branch libraries. The library budget furnished 14 of the 19 thousand dollars; endowment funds and special appropriations contributed a large part of the remainder.

WILL SEND BALLOONS ALOFT TO COLLECT DATA

(Continued from Page 1)

face of the earth. Mr. Chris Harmantas, who will be in charge of the investigation, has left for St. Louis with the 35 sounding balloons, each of which will carry specially designed instruments, weighing only a few ounces each, for automatically recording temperature, humidity, and atmospheric pressure.

The balloons will be only partially inflated in order that they may expand when they reach the rarefied air of the stratosphere. When they finally reach the limit of expansion and the balloons burst, the instruments, encased in shock-absorbing frames, will fall to the earth. Each will carry an identification label offering a reward for their safe return to Professor C. G. A. Rossby, director of the division of meteorology at the Institute.

The time for the release of the balloons will depend upon weather conditions. Professor Rossby said today that he is anxious to carry out the study during active storm conditions. The weather forecasts determining the time of release will be made in the Institute's laboratories in Cambridge, and when the conditions are favorable, Mr. Harmantas will begin releasing the balloons at intervals of one hour until the entire 35 have been sent into the stratosphere.

Of 38 balloons released in the flight last February, 36 were found and returned to the Institute by residents of southern Illinois. In expressing his appreciation for the co-operation of the finders, Professor Rossby said today that a brief summary of the results of that study was being sent to everyone who returned a balloon, to indicate the part they had played in the success of the investigation.

A mid-continent location for the experiments was chosen in the hope that most of the instruments would be found on land. To carry out the study in New England, where the prevailing winds are from the west, probably would result in the loss of most of the balloons at sea. The information gathered in these upper air observations is expected to result in important contributions to the knowledge of meteorological conditions in the stratosphere and to advance the science of accurate weather forecasting.

Walton Lunch Co.

Morning, Noon and Night
 You will find All Tech at
 78 Massachusetts Avenue
 CAMBRIDGE

QUICK SERVICE
 APPETIZING FOOD
 POPULAR PRICES

Quality First—Always
 THAT'S
 WALTON'S

1080 Boylston Street
 Convenient to Fraternity Men

Good Taste!



Copyright, 1934
 The American
 Tobacco Company



Luckies

They Taste Better

The clean center leaves are the mildest leaves—they cost more—they taste better—so of course, Luckies use only the clean center leaves—the choicest Turkish and Domestic tobaccos.

The Cream of the Crop



"It's toasted"

✓ Your throat protection—against irritation—against cough