

NEW STUDENTS TO HEAR ROGERS AT WELCOME SMOKER

Free Dinner Will Be Tendered Guests At Annual Event In Walker

FATHERS OR UNCLES MAY JOIN NEW STUDENTS

President K. T. Compton Will Give Official Welcome Of Institute

Official welcome to entering students including transfers will be extended Monday night at the All-Technology Smoker which will be held in Walker Memorial Building at 6:30 P. M.

Fathers or uncles may accompany students as guests. Admission will be only by free ticket which may be obtained on Registration Day in the Main Lobby, Building 10.

The program will consist of a free dinner and smokes after which President Karl T. Compton will officially greet students on behalf of the Institute. Master of ceremonies will be Professor Robert E. Rogers, student, author, and toastmaster.

Professor Frederick G. Fassett, Jr. will speak on Technology publications, and Henry E. Worcester, '38, on athletics at the Institute. A complete program appears elsewhere in this issue. A feature spot of the evening will be occupied by Orville B. "Obie" Denison, '11, whose contribution has been listed vaguely as "entertainment."

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HEDLUND ISSUES CALL FOR TRACK

Expects Large Freshman Turn-Out Because of New Barbour Field House

By Oscar Hedlund

This year's incoming class will be one of the privileged to christen the new Barbour Field House, and inasmuch as it is the last word in ultra-modern equipment, we are looking forward to a great Freshman turnout.

Each year the incoming freshman is in a quandary as to the sport he should take up for recreation or an activity during his four years at the Institute. Track and Cross-Country have been major sports for many years due to the fact that they require very little time and each man works as an individual in his event causing no waste of time waiting for his team mates.

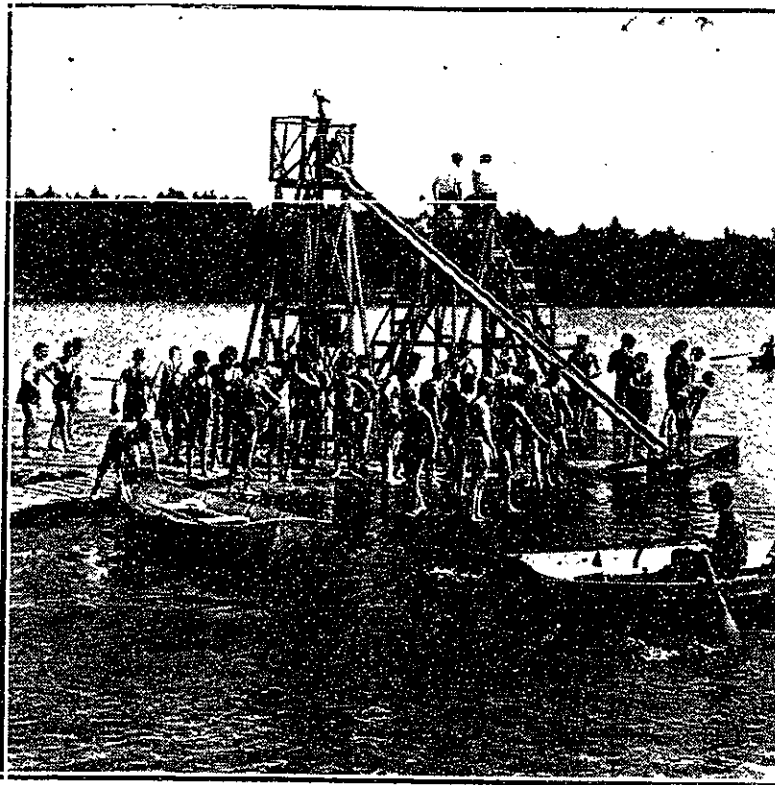
Freshmen Have Extensive Schedules
We have schedules all made out for this year so that the freshmen have plenty of competition, both in track and cross-country, also handicap meets and our big Interclass Meet in November. There is some form of competition each week-end during the school year which gives each boy an opportunity to try his luck and at the same time creates regular competition either with the boys at the school or outside colleges and prep schools.

The big event of the fall is the Freshman and Sophomore relay race which is held on the first Friday in November, and this creates a great amount of interest each year. The

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185 Freshmen Go Today To Lake Massapoag; Many Events To Feature 9th Annual Camp

Scene On Swimming Float at Freshman Camp



BUSH HONOR GUEST

Sports, Talks, Assemblies, And Activities Fill Entire Three Day Stay

MANY ACTIVITIES TO SEND REPRESENTATIVES

Faculty Indoor Baseball Game To Feature Sport Program Saturday Afternoon

With one hundred and eighty-five freshmen, thirty upper classmen, and twenty members of the faculty in attendance, the Technology Christian Association will open the ninth annual freshmen camp at 2:30 this afternoon when buses will leave Walker Memorial for Lake Massapoag.

The camp is a three day outing for the purpose of acquainting the new men with their classmates, leaders in athletics, activities, and members of the Institute administration and faculty. A detailed program has been prepared to entertain the guests during their brief stay.

John L. Hegeman, '37 will manage the camp assisted by William B. Burnett, '37, Emery Hukill, '37, and G. Peter Grant, '35, president of the Technology Christian Association. Headquarters will be established as usual at the Tech Cabin.

Dean Bush Welcomes Frosh
At a general assembly following dinner at camp tonight the freshmen will be welcomed by Dr. Vannevar Bush, vice-president of the Institute rather than by President Karl T. Compton as is customary due to President Compton's inability to attend the camp. Another feature of this evening's program will be songs and cheers led by "Obie" Denison, '11, who has always been popular with those at the camp.

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FRESHMAN CAMP SCHEDULE

Friday

2:30 P.M. Assembly at Walker Memorial to leave for Camp.
5:00 Swim.
6:00 Supper.
7:30 History of Camp Massapoag—Mr. Gridly.
Assembly in Friendship Lodge—Walter H. Stockmayer, president of Class of '35, in charge.
Welcome—Dr. Vannevar Bush, vice-president of the Institute and Dean of Engineering.
"History and Traditions of the Institute"—Professor Henry G. Pearson, Dept. of English.
"Student Government at Technology"—Walter H. Stockmayer, '35.
Announcement of All-Tech Smoker to be held Monday evening, Sept. 24—Henry Fiske King, '35, representative of the Institute Committee.
Tech songs and cheers—Obie Dennison, '11.
9:45 Councillors' meeting at Friendship Lodge.
10:00 Taps.

Saturday

7:00 A.M. Reveille; Setting up exercises—Harry T. Easton, '36.
7:30 Breakfast and announcements.
8:00 Camp details.
8:30 Discussions—Newton C. Fetter.
9:15 Presentation of activities—Walter Stockmayer, '35.
9:45 Group activities meetings in tents.
10:20 Presentation of athletics.
11:00 Group meetings for athletics.
11:30 Swim.
12:15 P.M. Dinner and announcements.
1:45 Athletic program: baseball, crew, rifle, etc.
3:30 Assembly in Council Ring; Speakers.
4:15 Athletic program continued: Faculty indoor baseball game.
5:30 Swim.
6:15 Supper and announcements.
7:10 Assembly in Council Ring; Speakers.
8:00 Assembly in Friendship Lodge. Talk by Dr. Croke.
8:30 Movies—Professor Charles E. Locke.
9:45 Councillors' meeting.
10:00 Taps.

Sunday

7:30 A.M. Reveille; Setting up exercises; Dip.
8:00 Breakfast and announcements.
8:45 Camp details.
9:30 Track meet—Coach Oscar Hedlund in charge.
11:00 Discussions—Newton C. Fetter.
12:00 Swim.
1:00 P.M. Dinner and announcements.
2:30 Baseball finals, crew, rifle, etc.
4:45 Vesper Service—Rev. C. Leslie Glenn.
5:30 Swim.
6:15 Supper and announcements.
7:15 Open Forum in Council Ring.
Interfraternity Conference.
Explanation of marking system.
Athletics vs. Activities vs. Studies.
8:00 Movies in Friendship Lodge—Coach Oscar Hedlund.
10:00 Taps.

Monday

6:45 A.M. Reveille.
7:15 Breakfast and announcements.
8:00 Departure for Cambridge in time for Registration.

CAMP RULES FORBID FRATERNITY RUSHING DURING ENTIRE STAY

All Entrances To Be Guarded; Visitors Must Obtain Passes To Enter

Fraternity rushing at Freshman camp has been absolutely forbidden in the set of four rules issued today by John Hegeman, '37, director of the camp. These rules, he said, are the same which were used and enforced last year with much success. They are as follows:

1. All freshmen and counselors must go up and return from camp by the regular camp buses.
2. There shall be no semblance of fraternity rushing from the time the men enter the buses at Tech to the time they leave the buses on Monday morning.

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INSTITUTE BULLETIN WARNS AGAINST HASTY FRATERNITY PLEDGING

Chairman of Interfraternity Conference Scorns Such Action As Unfair

Issuing is first attack of the year upon the fraternity rushing situation, the Administration warned all new students against hasty pledging to fraternities in a statement appearing in the General Bulletin for first term 1934-35. The Bulletin said: "You should realize that joining a Fraternity is a serious step which should be taken only after you have made careful inspection and comparison of all the chapters from which you may have received invitations."

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THE TECH TO HOLD SMOKER ON FRIDAY

Incoming Students Will Have Opportunity To Discuss Work Of The Paper

A full discussion of the aims and ideals of THE TECH will be presented to the incoming students at a smoker held next Friday at 5 o'clock in the Faculty Dining Room of Walker Memorial. At this time freshmen will have an opportunity to meet the various department heads and talk with them personally about work that they may wish to do on the staff of THE TECH.

Refreshments and smokes will be served at this time free to those who are interested in the paper. The Faculty room is on the second floor of the Walker building, in the rear. It may be reached from the west balcony of the Main Hall.

THE TECH is the oldest activity at the Institute, having published its first issue in 1881. Since that time it has served the students, faculty, and alumni as a news organ. It is now published as a semi-weekly, managed and edited by students.

Dragnet Through Massapoag Wilds Will Find Evasive Soph President

Tradition Requires That He Receive Ducking in Lake at Hands of Freshman Campers

All persons resembling James R. Thomson, or Robert H. Thorson, president and vice-president respectively of the class of '37, are warned to avoid being seen in the vicinity of Lake Massapoag, in the wilds of Dunstable, Mass., for these two men will be the double objects of one of the most extensive man hunts to be carried on in that part of the city.

Freshmen are expected to organize a dragnet covering the entire camp to spread the alarm instantly should either of the fugitives be spotted, for tradition demands that during the Freshman Camp Session the freshmen treat the Sophomore president and vice-president to a bath in the icy and unenticing waters of Lake Massapoag. Tradition also demands that they insist upon enforcing their generosity.

A picture of one of the culprits is printed elsewhere in this paper to guide the freshmen in their enterprise. They are warned, however, not to trust too much to looks, since these men, being so desperate, may easily have undergone facial alterations during the summer.



James R. Thomson, Sophomore President

Both officers will be present at the camp but will not be in evidence until they are sought out and given their ducking.

Five Freshmen Find Fugitive
Last year the sophomore president managed to escape detection until late Saturday night, when a group of five freshmen, leaving the main body which was attending a lecture at the camp, scoured the woods around and finally captured him after a thrilling

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

WELCOME CLASS OF 1938

OPPORTUNITIES KNOCK

THE word "Welcome" has been extended to incoming classes at the Institute for so long that it has lost its significance. Even if the word were underlined twice, it could hardly convey the spirit with which the faculty, the staff, and the undergraduates receive you into a community of good fellowship and co-operation.

You have chosen a school where curricular work is primary and outside activities are secondary, where you must adapt yourself to a routine, where problems of many sorts will confront you, just as in life. Your choice of college indicates a clear-headed seriousness of purpose.

Perhaps you have come to college for an education. Don't expect to get it. Education is something that no college can give. Only life can give that. But college can give you an index to an education. It is up to you to find out how to approach a problem even if it doesn't give you a book with all the answers.

Technology is a large college but not an indifferent one. It is alive to youth's problems, and there are men here qualified by long contact with young men to help you find your abilities and discover the path that will lead you to the most satisfactory answer to your problem of "how to live."

"Make contacts" has been one of the catchwords of advice given to the college entrant. Repetition has made those words as meaningless as a bill-board slogan. But the advice those words originally intended to convey is still as vital and is offered with the same earnestness and sincerity as it ever was. It is emphatically worthwhile to get to know some of your instructors better than you can in the classrooms. It is one of them who can give you a few words of encouragement when you need them. Perhaps it will be the recommendation of one of them which will help decide the job-getting problem when you graduate.

You have a duty to those who are starting you in college. You have a duty to the Institute, the responsibility of keeping up the high record set by thousands before you. And the duty to yourself! The adage goes: "Opportunity knocks but once." But times have changed. Opportunity of every known variety is thundering at the door every day. Take advantage of as many of them as you can, but don't let the hum of a complex and active life destroy your balance.

Four years at the Institute can be made immeasurably valuable, or they can be wasted. The decision rests with you, who are entering Technology.

POUR LE SPORT

INTERNATIONAL COMPETITIONS

THE millions that have been spent for the sake of an old silver mug might have done more good for a troubled world than they did. But at least they have furnished a few thrills for millions of English speaking peoples, have given plenty of aesthetic pleasure to those who love fine ships, have increased the sale of printer's ink and have perhaps proved of some use in relieving tension between the United States and England.

But so much cannot be said for another international sport which rarely makes the headlines but which has been going on for a longer time and with greater intensity than any cup race. Japan has a score or so of fighting ships on the stocks to add to an already large fleet. The United States is taxing the capacity of certain private shipyards and has ships building in many of her navy yards in order to comply with existing treaty quotas. The admirals of the British navy urge a fleet so powerful that it could overwhelm any other two countries in time of war.

The millions of yen, dollars and pounds are to gain security and peace, it is said. Protection is needed, for international morals have not yet reached the stage where a weak but desirable territory is safe from the attack of a powerful, imperialistic neighbor; an unfortunate truth. It can be pointed out that French and English navies preyed indiscriminately on New England shipping during the post-Revolutionary period and that admiralty courts of the two nations always looked at these seizures in the "proper" spirit, that at one time freight rates from Boston to the West Indies quadrupled because of too many confiscations.

But it must also be pointed out that the best prepared military force in Europe did not save Germany from defeat in the World War; that the large armies of the other European powers served only to prolong the struggle.

Today war seems most possible in the East, between two of the best prepared nations in the world, Russia with its huge army, Japan with the largest military machine per capita of any world power.

All of which forces one to the conclusion that the causes of war do not lie in the size of armies, that the headlong race for supremacy on land and sea, even if it does not lead to war, does not give the security whose image is the only encouraging light in the taxpayer's darkness.

MAN AND MACHINES

BRAIN AND STEEL

THE study of science has been for years the express purpose of students entering the Institute. Because habits of thinking are often lazy, a common mistake made by those men is that of seeing machinery with its precision as an entity unrelated to man.

And many leave the Institute with only part of the entire picture of life clear. They are able to deal with machines well, to build them and to control them. But their relations with fellow-beings are perhaps strained, unharmonious. Why? Because those men have never really learned to deal with men in the complex and unexpected relationships that occur in the business world.

You can make a machine work for you if you understand its mechanism, if you have read about it in textbooks. But you cannot make men work for you if you have never tried it and developed an intuitive ability to appraise men and discover their real personalities.

During your stay at Technology don't study machines alone. Make it a point to come in contact with people, to discover their likes and dislikes, their whims and failings.

How best can you meet the maximum number of people with the greatest facility? How can you make your free time give you a healthy balance of recreation and at the same time develop you into a social being who adapts himself readily and easily to a changing environment? What activity at the Institute will give you an answer to these questions?

THE TECH will get you out among people. It will do that because it is people that make news. It is people that give opinions. You will meet people and make friends among them, friends who will tell you what they are thinking and creating. You will be given responsibilities, the responsibilities of accuracy and sincerity.

Inside the doors that line the sometimes drab corridors of Technology men are making machines, but they are first dealing with men of infinitely varying personalities, more subtle, complex mechanisms that those made out of wood and steel. Textbooks give the answers to engineering problems, but no text-book gives the answers to problems of human relationships. Experience is the only answer, the experience of getting out among men.

ALL-TECH SMOKER

INTRODUCTIONS IN ORDER

THE average freshman or transfer is more than a trifle bewildered when first plumped down in the wilds of Technology even after freshman camp. In order to orient himself fully, the freshman is given a more or less informal introduction to the Institute, with all that word conveys. The annual fresh-

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Death Watch

Before a condemned prisoner is invited to Takacherin Parkiskakas in the hot seat it is the custom to regale him with such wining and dinings as he has never had before.

While some remote soul cursed with a twisted outlook on life might draw some parallel between this and whisking some few hundred freshmen off to a camp whose whereabouts are known only to God, the Cabots, the Lodges, and the T. C. A., the Lounger wishes to declare in a firm loud voice that he can see no parallel at all.

This is partly because no parallel exists, and partly because the Lounger has been blind since birth, although the wonders of medical science have equipped him with one artificial eye, good for looking through keyholes.

The Sleek Greek

Seriously, though, the Lounger does see a parallel between aforesaid winings and dinings and something. That something all centers around suave, sleek, "distinguished" looking chaps who slink up to pristine freshmen, beam on them and say, "My name is Etaoin, and these are my friends, Shrdlu, and Aeiou." Then all three proceed with the merry game of "Hiddeldy, Diddeldy, Bumpity, Dent

If we don't fill our quota of freshmen, how in hell are we going to pay our rent?"

Of course to the innocent, whose merry dance now begins, these men look like campus big shots just here to give the little boy a big hand. BUT, lads, yes, and if there are any lassies around, lassies, they are that notorious band known to the initiate as Eekgrays, who upon graduating become insurance salesmen. And you know what they are.

But for all readers of THE TECH the Lounger has a method of ward-

ing off these advances. Directions: cross the arms before the face, make three abrupt turns screaming in a falsetto, "Hell Week! Hell Week!" (If there is not a good falsetto handy, take a Luckie and blow smoke in their eyes.)

Reward

Now that you have read this far the Lounger will reward you by telling you who he is. Not his name, mind you, for that is not "cricket", but just who he is, you know. Well, what Walter Winchell is to millions of Americans, that's what we are to you. Of course the Lounger carries no tales of blessed events or splits (divorces, yuh mugg), many's the jolly tale that sets the tattling to vicious wagging at both ends.

Like that one about Tubby, now, Tubby, as he is affectionately known to hoi polloi, is in official life, Professor Robert E. Rogers, student, author, litterateur, and radio celebrity. In our freshman year Tubby had not reached the stage of Master of Ceremonies but he was one of the Main Attractions along with Bill Greene, who is as long as Tubby is broad and another of the local funnies. Huge bellows of freshman laughter rang out when the maestro likened the murals in the Main Hall as follows. Looking toward the rear the one on the left he described as a scene in the kitchen entitled "Soup's On."

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FACULTY MEMBERS, INSTITUTE HEADS TO ATTEND CAMP

Student Activity Leaders and Sports Captains Will Also Be Present

COMPTON NOT ATTENDING

Prominent members of the faculty and administration of the Institute, leaders of Technology activities, and captains of practically all the school's athletic teams will be present at the ninth annual Freshman Camp to be held under the auspices of the Technology Christian Association at Lake Massapoag over the week-end.

Among those who have been invited to visit the camp tomorrow are Treasurer Horace S. Ford; Dr. Samuel C. Prescott, Dean of Science; Dr. James L. Tryon, Director of Admissions; Dean Harold E. Lobdell; Assistant Dean Thomas P. Pitre; Professor Leicester F. Hamilton, Chairman of the Dormitory Board; Wallace M. Ross, General Secretary of the Technology Christian Association; Registrar Joseph C. MacKinnon; Bursar Delbert L. Rhind; Dr. George W. Morse, Medical Director; Professor George Owen; Orville B. Denison, '11, and a large group of faculty members who teach first year classes.

The men representing activities who will attend camp will include: Walter H. Stockmayer, President of the Class of 1935, Michael A. Kuryla, President of the Class of 1936, and James R. Thomson, President of the Class of 1937.

LARGE FRESHMEN TURN-OUT EXPECTED FOR TRACK

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competition involves twenty-four boys and gives everyone a chance to try out and possibly find a position for himself in this interesting race. It has always been a spectacular race and usually very close at the finish. This form of competition also gives me an opportunity to see what the freshman class has to offer for the Winter and Spring meets. During this time of year the freshmen are given special attention as they are a source of material for the Varsity next year.

Cross-Country

Freshman Cross-Country which starts on September 24th, gives a great many boys an opportunity to build themselves up for the coming season, competing with Rhode Island and Holy Cross, also competing in the New England Cross Country at Franklin Field, and Intercollegiate Championships at New York in November. Every year the freshmen have reported for Cross-Country and a majority of the boys who have reported have been novices, but before the season was over they became excellent runners and by spring the Cross-Country work was shown to be of great value. All men interested in this form of recreation should report on Monday so that we can start early and be prepared for our dual daces.

Boys who are novices and who never did any athletic work previous to coming to the Institute, should not take this into consideration, but report and try to see if there is some hidden talent in their make-up. The majority of boys reporting each year have had no experience; but before getting through they become champions in their event.

Good Substitute for Physical Training
Freshmen are later required to take physical training for the first year, but have the privilege of selecting track in place of P. T., and this gives them an excellent opportunity to work out of doors the year round. Many boys who have substituted track for physical training have become excellent athletes and received many prizes for their efforts.

I hope all freshmen who are interested in track will report at the Track House on Monday or Tuesday afternoon and ask any necessary questions. We will be glad to help you in any way to solve your freshman problems in regard to track. Do not wait until it is too late, start early and see what the Institute track can do for you. As it has been of benefit to others in the past, so let it be to you in your college days at M. I. T.

Cardinal and Grey Ties Will Be On Sale Monday

The most stringently enforced of all the freshman rules is that concerning ties. It has been the custom for freshmen to wear regulation, four-in-hand, cardinal and grey ties, from the first day of classes until the end of the freshmen rules period. The custom is enforced by the Freshmen Rules Committee.

The purpose of the tie regulation according to Hal L. Bemis, '35, chairman, Freshman Rules Committee, is to make it easier for freshmen to recognize each other and become acquainted. It is not the purpose of the rule to persecute the freshmen although there is a certain amount of persecution involved.

The freshmen ties will be on sale on Registration Day in the Main Lobby.

PRESIDENT COMPTON TO GREET FROSH AT SMOKER

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Committee in charge of the Smoker: Wesley H. Loomis, 3rd, '35, Chairman; H. Fiske King, '35, Publicity; John Duff, 3rd, '35, Program; G. Frederick Linclon, '35, Dinner; Richard Lawrence, '35, Entertainment; William W. Cross, '35; Speakers: John B. Ballard, '35, Treasurer; Zay B. Curtis, Jr., '35, and Hal L. Bemis, '35, Assistant Chairmen.

Guests are: President Karl T. Compton, Vice-President Vannevar Bush, Treasurer of the Corporation, Horace S. Ford, Bursar, Delbert L. Rhind, Dean Harold E. Lobdell, Assistant Dean Thomas P. Pitre, Alumni Secretary, Professor Charles E. Locke, Director of Physical Training, Henry P. McCarthy, Carroll B. Smith, '06, President of the Alumni Association.

The ushers are Michael A. Kuryla, head usher, Harry E. Essley, Fletcher P. Thornton, Thomas L. Johnson, Jr., E. Harry Cargen, Jr., Ford M. Boulware, John P. Hayes, William W. Garth, Stanley T. Johnson, David E. Varner, Milton W. Brooks, all of the class of 1936.

Program

- 6:30 Dinner
- 6:45 Songs led by William E. Weston, Glee Club coach.
- 7:15 Introduction of Professor Robert E. Rogers, Master of Ceremonies. Official Welcome of President Compton. Talk on athletics by Henry E. Worcester, '38.
- 7:30 Talk on Technology publications by Professor Frederick G. Fassett, Jr.
- 7:45 Talk on Musical Clubs, Tech Show, and T. C. A. by Professor Robert E. Rogers.
- 8:15 Banjo solo by Frank S. Walters, '35, leader of the Banjo Club.
- 8:30 Presentation of trophies.
 - (a) Key to Walker Memorial given by Carroll B. Smith, '06, President of the Alumni Association to Walter H. Stockmayer, '35, President of the Senior Class.
 - (b) Schwartz Medal given to best team manager by William W. Cross, '35, President of the M. I. T. A. A.
 - (c) Technique Cup to the highest score in track by Bernard H. Nelson, '35, General Manager of Technique.
- 9:00 Exhibition by varsity Boxing Team.
- 9:15 Entertainment by Orville B. (Obie) Denison, '11.

GRIDIRON OFFER IS CHEAPEST IN YEARS

Blanket Price of Seven Dollars Includes Redemption Of Technique

The Gridiron combined offer of subscriptions to the four undergraduate publications is being made this year at the price of seven dollars, the lowest at which it has ever been offered to the student body. Through the combined efforts of the staffs of THE TECH, Voo Doo, T. E. N. and Technique, it is now possible for this offer to be made at what is felt to be a reasonable price.

The seven dollar premium includes the entire cost of all publications in contrast to last year's arrangement when an additional redemption fee was charged for Technique.

For the benefit of new students, the Gridiron wishes to make it clear that the charges are solely for cost of publishing the respective organs, inasmuch as no members of the staffs receive any compensation for their work in connection with writing or obtaining advertisements.

The Gridiron will conduct a sales campaign in the Main Lobby on registration day, and a representative will be present on Tuesday and Wednesday at noon time, for the accommodation of those who have not already sent in their orders. Deferred payments will not be accepted after registration day.

NEW STUDENTS WARNED OF FRATERNITY RUSHING

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This procedure has also been endorsed by the Interfraternity Conference, whose president, John B. Ballard, '37, has ventured the opinion that: "It is plain common sense that any house which uses pressure to force hasty pledging is not only being unfair to the freshman but is showing weakness in itself. The complete statement of the administration is as follows: "Upon your arrival at the Institute considerable pressure may be brought to bear upon you to pledge yourself immediately to some fraternity. You should realize that joining a Fraternity is a serious step which should be taken only after you have made careful inspection and comparison of all the chapters from which you may have received invitations. This procedure is approved by the Interfraternity Conference and the chapters composing this Conference agree that a reasonable delay thus occasioned in making a decision shall not endanger your chances of ultimately joining the chapter of your choice. In your professional work you will find hasty decisions dangerous. Start training yourself now to avoid them."

CAMP RULES MUST BE OBEYED, SAYS HEGEMAN

(Continued from Page 1)

3. There shall be no visitors allowed in camp at any time without a pass. Visitors will not be allowed on the camp grounds at any time other than that stated on their pass.

4. There shall be no automobiles allowed on the camp grounds without a special signed pass.

Guards will be present continuously at all entrances of the camp to enforce these rules. The T. C. A. is being supported in its stand by the Interfraternity Conference, which has promised to investigate all infractions and to take action against all offending houses.

John B. Ballard, '35, chairman of the Interfraternity Conference, yesterday declared emphatically: "The I. F. C. is decidedly against the rushing of freshman at camp and has agreed that the representatives of the Executive Committee of the I. F. C. who will be present at camp, will co-operate with the T. C. A. in helping to enforce the rules and in investigating all infractions."

Smoothness of Stroke

as Important in Writing as in Putting...!

Satisfactory results in your writing—as in your golf game—depend on a smooth stroke. It is a real pleasure to use a pen equipped with a point that glides smoothly over the paper.

Each Waterman's point is so perfectly fashioned by master craftsmen that the microscope shows a writing surface of mirror-like smoothness, symmetrical and thoroughly rounded tips, a clean-cut ink channel, and an unusually large area of thick iridium.

Waterman's dealers offer a variety of perfect pen points in a wide selection of attractive models.

Other features that have made Waterman's the world's finest writing instrument for half a century include:

- A scientifically correct feed... the simplest and most practical filling principle
- ...generous ink capacity... unbreakable holders... and beauty of design.

PENS \$2.75 to \$10... PENCILS \$1 to \$5

Waterman's Inks

For fountain pen and general use... free flowing, uniform in color, and free from clogging sediment. An assortment of colors, carbonated for your convenience.

A NEW MODEL \$3.00 3 ATTRACTIVE COLORS

Waterman's
50th Anniversary of Waterman's—The First Practical Fountain Pen

I FEAR, YOUNG MAN, THAT YOU HAVE OVERLOOKED THE EQUATION OF HEAT CONDUCTION

WHAT IS IT?

$Q = K \frac{A(t_1 - t_2)}{L}$

YES, SIR, NOW I CAN FINISH MY EXPERIMENT

BOO

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HERE'S A SAFE EXPERIMENT

HERE'S ONE FORMULA THAT ALWAYS WORKS

P.A. = O.K. ANY TIME

AFTER EVERY CLASS IT RINGS THE BELL!

YOU'LL FIND Prince Albert a milder smoke—mellow and full of flavor. It's blended by a secret method from top-quality tobaccos. Never bites the tongue, because Prince Albert employs a special bite-removing process. Just try Prince Albert—and find out how good a pipe can taste!

PRINCE ALBERT
—THE NATIONAL JOY SMOKE!



DON'T LEAP

into an activity

BEFORE YOU LOOK

at THE TECH

Freshmen often make the mistake of getting into an activity that they later find does not fit them. By the time they have discovered one they like it is too late to change.

Here are a few of the advantages in being a member of the oldest publication at the Institute:

1. A circle of friends and "contacts" that otherwise you could never hope to make. (There are more than 100 members of the staff of THE TECH.)
2. Beforehand knowledge of all events, not to mention "inside dope".
3. The knowledge that in joining THE TECH you are becoming part of an organization where there is absolutely no favoritism shown. This is not only a boast but a guarantee.
4. Opportunity to develop a literary style as an aid to report writing (the test of a good engineer).

Come to a smoker given by THE TECH next Friday where you will be given refreshments and an idea of what THE TECH holds for you. It will be held Friday, September 28, at 5:00 P. M. in the Faculty Dining Room, which is on the second floor in the rear of Walker Memorial.

*Don't commit yourself until you have heard
about*



NEW COSMIC RAY INTENSITY METER TESTS COMPLETED

Tried Out At Mt. Evans, Device Is One Of Seven Being Built For Survey

DIRECTED BY BENNETT

Working in winds of gale force accompanied by snow, sleet or fog, with sudden changes from zero temperatures to summer heat on the topmost peak of Mt. Evans in Colorado, a group of Technology scientists under the leadership of Professor Ralph D. Bennett have just completed the first field tests of the largest cosmic ray intensity meter ever built.

The expedition was sponsored by the Carnegie Institution of Washington, and the cosmic ray intensity meter, weighing 3,200 pounds, is one of a new type designed by Dr. Arthur H. Compton and built in the physics laboratories of the University of Chicago. The heart of the apparatus is a large sphere of lead in the center of which is a small chamber containing argon gas compressed to a pressure of 750 pounds to the square inch. The apparatus has an automatic photographic recording device and is compensated for changes in temperature and atmospheric pressure.

Plan World-Wide Survey

The object of the expedition to the peak of Mt. Evans at an elevation of 14,120 feet was to test the new machine in a wide variety of atmospheric conditions. It is one of seven being built for a world-wide survey which will be carried on by the Carnegie Institution over a period of five years. These heavy meters when finally adjusted will be expected to operate continuously for the full period of five years. With them it is hoped to learn more about the nature of the mysterious and powerful cosmic rays which continually bombard the earth.

The purpose of the five-year investigation, which will be under the direction of Dr. Arthur H. Compton, is to correlate variations in the intensity of the cosmic radiation with solar or sidereal time, variations in the intensity of the earth's magnetic field, sunspot frequency and other phenomena. Five of the machines will be stationed for five years in New Zealand, Peru, Mexico, Greenland, and Chittenden, Md., while two will be moved about to various locations for shorter periods of time. One will be located at the Institute for a year to measure the characteristics of cosmic radiation in New England.

The scientists who accompanied Dr. Bennett to Mt. Evans were Gordon S. Brown and Henry Rahmel of the Institute's department of electrical engineering, of which Dr. Bennett is also a member.

Also Tried At U. of Denver

Before taking the 3,200 pound apparatus to the peak of Mt. Evans, Dr. Bennett made observations with it on the campus of the University of Denver, and Echo Lake, at an elevation of 10,600 feet above sea level. The Park Department of Denver, which was equipped with special transportation machinery, co-operated in moving the heavy machine and in the face of many difficulties it was finally installed on the highest point of Mt. Evans, where the barometric pressure is 18 inches, and all the extremes of summer and winter weather may be experienced in the space of a few minutes.

Classified Advertising

Sunny Room with private family. Mrs. Peters, 19 St. Luke's Road, Allston. 15 minutes from Tech. Sta. 1145.

Double room, private bath, room for three, private bath and shower, 286 Marlboro Street.

BOARD AND ROOM

We guarantee to equal the comforts of fraternity life. Will give twenty boys board and room for \$8.00 - \$9.00 a week, depending on the room. Rooms alone \$4 - \$5 single; \$8 - \$9 doubles.

MRS. M. T. BAILLIE
591 Beacon Street Circle 0973

CHEMICAL SOCIETY ELECTS T. L. DAVIS

Professor Tenney Davis, who has been secretary of the history of chemistry division of the American Chemical Society from 1926 to 1934, was made chairman of that division at the recent meeting of the society in Cleveland. He was also appointed departmental editor for the history of chemistry in the Journal of Chemical Education.

INFLUX OF BAGGAGE HERALDS OPENING

Railway Express Agency Delivers Baggage to Dormitories and Fraternities

With the re-opening of the Institute there has been a constant influx of trunks and baggage to the dormitories and fraternities from the offices of the Railway Express Agency.

This company is assisting many students to make the trip from home back to school as easily as possible by picking up the baggage at home and depositing it at the dormitories or the fraternity house. Express facilities are taxed by both the September and June peak loads, but such is the reserve of this national organization that it can easily handle the excess of these periods in one smooth operation.

Even after the delivery of all the trunks and other baggage connected with the opening of the school year, the express agency continues to be of service to the college students by shuttling hundreds of laundry cases between Cambridge and the students' homes. The bundles are picked up and receipted for at the dormitories, saving the weekly trudge to the Kendall Square post office.

The observations were carried out in the face of many difficulties. The temperature ranged from zero or below at night, to 60 degrees Fahrenheit during the day. On July 1 the road to the peak was closed by snowdrifts six feet deep, and on July 7, while the rest of the country was suffering from intense heat and drought, the three scientists on the peak were striving to keep warm in a temperature of ten below zero.

Their tents were lashed to the rocky peak and in spite of the heaviest clothing, including five woolen shirts, sweaters, and several pairs of socks, they suffered from the intense cold.

Winds of gale force arose within a few seconds and often died away in as short a space of time. These winds were often accompanied by snow or biting sleet, while at other times fog so thick the men could not see an outstretched hand before them, enveloped the peak for hours. The rapid temperature changes during these storms often ranged from 60 degrees in bright sunshine to below freezing in the space of five minutes.

Lightning A Hazard

The party was also harassed by frequent and violent electrical storms when the atmosphere became so charged with electricity that sparks jumped from upraised fingers and from their ears and noses. During these storms their hair, drawn by the powerful magnetic field, would stand erect. Lightning rods were erected at several points close to the tents, and, while bolts frequently struck close by, the camp escaped damage.

During their stay on the peak the research group was visited by Dr. Karl T. Compton, President of Technology, who spent part of a day studying the methods of observation.

Men Exhausted By Work

Because of the high elevation and the consequent rarefied atmosphere the three men were exhausted by the slightest exertion and their observations were carried on with the greatest physical effort. The rough road which leads to the top of the peak is the highest in the country.

Having completed their field tests the group faced the difficult task of taking the apparatus down the mountain. It is now on its way to Dr. Arthur H. Compton's laboratories at Chicago, where it will be calibrated with the second machine, which is now in process of construction.

THE ENGINEER DRESSES

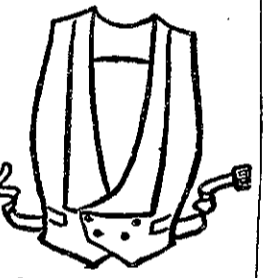
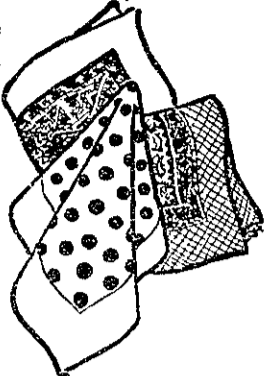
Perhaps the only smooth note in the fashion picture for Fall is the foulard handkerchief, in colorful madder print patterns, that should grace the breast pocket of every smart suit as a fitting accompaniment for the much-favored rep stripe ties, which, while they should show some relation in coloring need not be governed in selection by too close matching.

The very fact that "horse" people take quite some pride in clothing themselves in a manner in keeping with sporting traditions has meant that many touches and details of their outfits and costumes find their way to other types of sport and country clothes. One of the latest of these transitions is noticeable in the use of military pockets and deep side vents on jackets. These vents have only been used heretofore on the long-skirted riding sack for which they were most practical in the saddle.

However, the very fact that they are not only smart-looking but just as practical in the kind of a jacket that assumes an all-around purpose is reason enough for their growing fashion acceptance in all kinds of clothes—not only for country but for town as well, as it allows for a great deal of ease. Incidentally, the center vent, which is also much in favor, is a feature of the afore-mentioned three-button jacket in use with tweed suits.

With this small but revolutionary change there is a new double-breasted white waistcoat for wear with tails that instead of being square across the bottom shows two points that extend down over the top of the trousers. This new model and its smartness is undoubtedly the reason for the favoring of double-breasted waist-coats against the conservative single-breasted models.

The very definite swing of the fashion pendulum to roughish fabrics has again brought into the picture the type of jacket that for many years has been so favored by university men that it has always been referred to in terms that have a distinct campus flavor. The renewed interest in this suit model, which features a three-button, notched lapel, natural shoulder, moderately long coat, is the important story in clothes for Fall.



EDITORIAL

(Continued from Page 2)

man smoker is held this year on the opening day of school.

Free eats, smokes, and entertainment by Prof. Rogers will feature the evening. In addition a large quantity of advice will be administered between courses. Freshmen, and especially their parents, rarely recognize the value of extra-curricular activities, nor do they know beforehand the particular demands and advantages of any particular activity.

Those who come to Technology come to a school, and a good one, but there is more to be obtained here than a technical training. We strongly urge every new man to come to this smoker, Monday evening, with his parents if possible, for he will there be introduced to a vitally important phase of Institute life.

With The American College Editor

PLAY ACTING

Although the title may seem to indicate the contrary, this does not refer to the stage or anything to do with it, though its interpretation may be confined to that larger unity, the stage of life.

Throughout this world runs a continual cry. It comes from the pulpit and the professional chair, from the soap box and current literature, and it says, "Be natural." A commendable notion indeed, but what does it mean? To whom does it appeal? Why does the need for such a cry arise?

To begin with, it must be assumed that there are people in this world who live on a plane to which they have adapted themselves in complete discord with their social position or inherent capabilities. False appearances and false opinions may be included among their general characteristics. Consequently some persons are said to live a lie.

Among them are they who attempt to bluff those about them into thinking how important they are, and how necessary they are to those with whom they come in contact. They make misstatements about their knowledge, their education, or their social position, which, though at the time may be convenient to personal vanity, are generally found out.

We have with us the "snobs" and the people who put on "airs." We

have the enlightened persons who purchase hotel and travel stickers to paste on their luggage, such as it is, and then proudly display it to their gullible, or perhaps not so gullible, acquaintances.

To outline all the minor deceptions which are practiced by mankind on each other would be interesting, but has the disadvantage of being more than a life's work. It is sufficient to admit their existence.

It must then be decided whether the claim "Be Natural" is fully justified. Whereas the fake is obviously detrimental and should be treated according to his deserts, the bluffer is in no ignominious position.

Is not bluff anything but natural to mankind? If the answer was in the affirmative this would be a sorry world. It is the lot of man to make use of his imagination. How he uses it may vary for times and persons, but it is his heritage, and is intended to detract from the humdrum of life. Everyone has to use the small amount of "face" or "gall" allotted to him to make his way in the world.

If natural means the following of a placid and unruffled existence, bounded by rules of convention, and barred from anything unorthodox, then we should be unnatural. But if we may include with our conventional life a little gall, a little bluff, and a little play-acting, and call that natural, the true root of our common nature would be more accurately touched. Most of us are touched by the latter definition and if the rest of man took heed of it we would all be a better world.

—McGill Daily

PROF. JACK GIVES GALLEON TO MUSEUM

The Nautical Museum has received a new model of an Elizabethan Galleon made and contributed by Professor J. R. Jack. The type of boat represents one of the larger ships of the English fleet which defeated the Spanish Armada in 1588. The scale of the model is 1/4 in. to 1 ft., and the principal data for the model was obtained from MSS bequeathed by Samuel Pepys to Magdalene College, Cambridge, England.

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

Announcement . . .

IMPORTANT TO FRESHMEN

JOIN the Coop and SAVE Money on Your Purchases

By joining the COOP you become a store-keeper for yourself, just as if you rented a store, put in a stock of merchandise, and employed salespeople.

The COOP prices are never higher than elsewhere, and in many cases for the same quality much lower. In addition, a dividend is credited on all purchases of 25c or more.

Checks not exceeding one hundred dollars are cashed for members between the hours of 9 A. M. and 3 P. M.

Charge Accounts for members only.

Join before making a purchase, for dividends cannot be credited on purchases made previous to taking out a membership.

The TECH-COOP is the official distributor of all your supplies. The material required for all freshmen has been passed upon by the Faculty and approved by them.

Every TECH Man should become a member without delay. The Membership fee is one dollar.

Dividend at the rate of 9% on cash purchases and 7% on charge purchases. Year ending June 30, 1934.

All memberships start July 1 and expire June 30.

A Membership at the Tech Branch Also Makes You a Member at the Harvard Sq. Store

Technology Branch Harvard Cooperative Society

Popular "Obie" Denison To Lead Group In Singing



Major General Praises Institute R. O. T. C. Men

Major General Paul B. Malone of the United States Army, who during the summer reviewed members of the R. O. T. C. Coast Artillery Camp at Fort Munroe, Va., has written President Compton about the excellent showing of Technology members of the corps.

"I desire to congratulate you," he said, "upon having such a splendid group of young men representing your institution at this camp. Their excellent appearance, interest in their work and soldierly attitude gives evidence to me of the fine personal and school leadership which characterizes your institution."

in activities and athletics. A program of various sport events will follow under the supervision of coaches of the respective sports. A baseball game will be played; men interested in crew will be given instructions on the handling of oars; and the camp rifle range will be open in charge of one of the army officers. A faculty indoor baseball game will feature the afternoon program.

Further sports will be held on Sunday morning under the supervision of Coach Oscar Hedlund who will take charge of a track meet. Events will include a dash, a longer run, a high jump, and a broad jump.

THE LOUNGER

(Continued from Page 2)

The one to the right he spoke of as the Depression (a word which your elders recall) leading the Republican Party into the Wilderness. This was quite a little joke at the time since it was a Presidential year.

The mural that you first see as you enter the sage called a picture of the Faculty surrounded by stenographers. It may not make you laugh, but remember that *that* was in the days when the Man in the Street was chanting, "A good belly laugh turneth away the wrath of an empty stomach."

Morro Castle Dirt

Before bidding adieu until next week, let us give you this one to write home to the folks. Its about the recent disaster on the Morro Castle. We have a very close friend who told us that the inside story is that the original design of the ship was at fault.

It seems that the architect, or whatever it is they call men who design ships, specified that the bridal suite should contain, guess what, TWIN BEDS. Which goes to show.

FRESHMEN OUT TO DUCK SOPHOMORE PRESIDENT

(Continued from Page 1)

chase. The traditional immersion, of course, followed. The vice-president was not so fortunate, however, for he was recognized while attending one of the sessions on Saturday morning and was promptly given his bath which, while it may have been rather early, (Saturday evening being his usual time) was nevertheless effective.

Freshmen should be equipped with plenty of materials for securing the prisoners, such as ropes, straps, and sheets; for, although the upper classmen will be hopelessly outnumbered, it is not expected that they will submit to the ducking without due protestation.

Be popular, become a good dancer
Uptown School of Modern Dancing
Personal Direction Miss Shirley Hayes
230 Mass. Ave. Tel. Circle 9068
All Latest Steps, Fox Trot, Waltz, "400", etc.
Beginners Guaranteed to Learn Here
15 Private Lessons \$5
Boston's Foremost School

185 FRESHMEN TO LEAVE FOR ANNUAL CAMP TODAY

(Continued from Page 1)

Others who will speak to the new men his evening include Walter H.

Stockmayer, '35, president of the Senior Class, and Professor Henry G. Pearson of the English Department.

Activities Will Be Introduced

Tomorrow morning freshmen will have an opportunity to meet leaders

Esplanade Cafeteria

23 Mass. Ave. at Beacon St.
High Grade Liquors Served With Good Food



FAGGED OUT?

E. R. O'NEIL, '37—LAW. He finds "a lot of enjoyment" in Camels, and says that when his energy is used up "Camels give me a delightful 'lift.'"



GET A LIFT WITH A CAMEL!

HAVE YOU TRIED
this way of regaining energy?

"The strain of pursuing a law course puts a tremendous tax upon my energy," says E. R. O'Neil, '37, "but I try to avoid overdoing, and part of my program is smoking Camels. There's a lot of enjoyment in Camels, and they give me a delightful 'lift.' I smoke them constantly and they never upset my nerves."

Every situation in life has its strain—every day its many moments of uncertainty...self-distrust..."low" spirits. So why not turn to Camels yourself...for more smoking enjoyment...to offset fatigue and irritability? Thousands of

experienced smokers have found for themselves that Camels give a delightful "lift." And science, as you may have noticed in your reading, definitely confirms what they report.

Camels are mellow and distinctive in flavor—milder—made from finer, more expensive tobaccos than any other popular brand of cigarette. Smoke all you want—Camels never get on your nerves.



● **TENNIS STAR.** Ellsworth Vines, Jr., holder of two U.S. National Championships, says: "Camels appeal to my taste and have a refreshing way of bringing my energy up to a higher level. They seem to restore my 'pep' and take away that tired feeling."

LEAF-TOBACCO EXPERTS AGREE:

"Camels are made from finer, More Expensive Tobaccos—Turkish and Domestic—than any other popular brand."



CAMEL'S COSTLIER TOBACCOS NEVER GET ON YOUR NERVES!