

VARSITY SWIMMERS TO MEET HARVARD IN STIFFEST MATCH

Wins Predicted For Three Of
Events, With Regular
Lineup Prevailing

FLANDERS COUNTED ON

Harvard is scheduled to be the next opponent of the Institute swimmers, fresh from their victory over Amherst last Saturday. The Harvard team is one of the strongest in New England, and will be infinitely more difficult to beat than the Lord Jeffs.

The lineup for the Institute team is to be about the same as the one of last Saturday, as it is judged by Coach Untersee to be the lineup allowing the most men to take part in their particular specialties, as well as one which keeps any man from doing so much that he becomes fatigued.

Several Wins Expected

In several of the events, the Institute men seem to have the distinct edge, notably the breast stroke, the back stroke, and the dives. In other events, strong swimmers are competing, and while they do not seem to be up to the calibre of the Harvard men in the same events, possibilities for other first places seem good.

In the breast stroke, Captain Jimmy Turner will enter, with his swimming mate, Flanders, who broke the record for the event, swimming against Amherst. In the race, these men will meet a two-man team from Harvard picked from four possibilities, Wallace, Donnelly, Sherwood, and Wyman. The times turned in by the Beavers in this event have been consistently good, and with Flanders in the sort of shape that sets new records, the story should be all one way.

Lykes and Brandt will constitute the Engineer team for the diving. Lykes, hailing from Florida, took first against Amherst, and was closely trailed by Brandt, who in turn defeated the two Amherst men. Meeting these Institute divers will be Bowen, Nichols, and Runyon, of Harvard.

Representing Technology in the backstroke is Eddie May, who is slated to take the event from the Harvard men, Jones and McCoy. May took first in the Saturday meet, and was followed to the finish line by his teammate, Bencks, who should figure in the score column Wednesday evening.

Harvard has a strong man in the 50-yard dash, against whom Heintz and Callan, the Institute swimmers will have their hands full. These men finished first and second, respectively in the last meet, though, and they are very fast.

Such a well-balanced team as the one which is now carrying the Technology banner, has not been seen in a long while, and great credit is due to Coach Untersee for the way he has built up the material offered him at the beginning of the season.

The lineups of the two teams are as follows:

220-Yard Freestyle — M. I. T.: Henning, Kron; Harvard: Wyman, Howe.
50-Yard Freestyle — M. I. T.: Heintz, Callan; Harvard: Sherwood, Wyman, Wallace.
Diving — M. I. T.: Lykes, Brandt; Harvard: Bowen, Nichols, Runyon.
440-Yard Freestyle — M. I. T.: Vaughan; Harvard: Sherwood, Donnelly.
100-Yard Backstroke — M. I. T.: May, Bencks; Harvard: Jones, McCoy.
100-Yard Breaststroke — M. I. T.: Flanders, Turner; Harvard: Sprecheles, Leventrich.
100-Yard Dash — M. I. T.: Henning, Heintz; Harvard: Sherwood, Donnelly.

RESIDENT COMPTON WILL SPEAK SUNDAY

President Karl T. Compton will speak at the Westminster Presbyterian Student house, 185 Bay State Road, Boston, on Sunday, January 17, at 5 o'clock. His topic will be "Social Responsibilities in the Machine Age." All are invited to attend.

Walker Bowling Record Broken By Eddie Pung

Crash! Bang! Sock! No, it's not another Dorm fracas but only Eddie Pung breaking his single string record for bowling candlepins. Five times in his life Eddie has hit 188, five times, no more, no less, but yesterday he shattered this with a dazzling 171, a new record for the Walker Alleys. Here's the score sheet for you bowlers to check. Look it over carefully, for it'll be some time before you see a better one.

Box	Total
1	9
2 Spare+7	26
3 Spare+10	46
4 Strike+19	75
5 Strike+10	95
6 Spare+9	114
7 Full box	124
8 Full box	134
9 Spare+8	152
10 Spare+9	171

Civil Engineering Department Will Give New Course

J. L. Savage and R. S. Lieurance
To Conduct New Course
For Graduates

"Design of High Masonry Dams," is the title of a new course to be offered next term by the department of Civil Engineering. It will include a detailed discussion of many of the larger dams in the United States with particular reference to the Hoover Dam across the Colorado River.

J. L. Savage, Chief Designing Engineer of the U. S. Bureau of Reclamation, and R. S. Lieurance, Engineer on Design of Dams, will be in charge of the course. It will consist of lectures supplemented by work in the drafting room in which theoretical principles will be applied to an assigned problem. The course is open to properly qualified graduate students.

FENCING TRYOUTS FOR OLYMPICS TO BE HELD

Seven Teams Entered Here For
Contests Next Month

At a meeting of the Olympic sub-committee on fencing, held Tuesday at the B.A.A., it was decided that the Olympic foils tryouts will be held at Walker Gym, February 10 and 11, Wednesday and Thursday, at 8 o'clock. This is the first time that an Olympic tryout has been held in Boston, and should prove to be a big boost, not only to Tech Fencing, but to fencing in general in Boston.

In addition to fencers from local clubs and colleges, this meet will give Boston its first opportunity to see some of the finest swordsmen in the country in action in one meet. The duelling sword and sabre tryouts will be held in New Haven and Philadelphia at later dates. In view of the fact that this tryout is for foils only, exhibition bouts in epee and sabre have been arranged.

Georgio Santelli, of New York, Olympic sabre coach; Robert Grasson, Yale coach; and Rene Peroy, Harvard coach, have been definitely engaged to perform in the exhibitions. These coaches are considered leaders in their respective specialties, and should provide an important part of the entertainment for the spectators. Entries have been received from M.I.T., Harvard, B.U., B.A.A., N.Y.A.C., Y.M.C.A., and B.C. Joe Lewis, M.I.T. '27, who will compete for the team, finished in the finals in the 1928 Olympics. No other American has ever reached the finals in Olympic foils competition.

Tickets Go Fast As Day of Senior Dance Nears

Tomorrow Will Be Last Day For
Securing Tickets At
Lobby Booths

That Technology Seniors know a bargain when they see one has been demonstrated by the large number who called for their free tickets to the Senior dance. In two days over three hundred tickets were distributed. Seniors who have not secured a ticket may do so today or tomorrow.

Only Seniors will be admitted at the door as the expenses of the dance will be paid from the treasury of the Senior Class. Tickets are being distributed in advance to those who are entitled to them. It is expected that this plan will foil the "crashers" who frequently infest dances held at Walker Memorial.

Dance music will be provided by the Techonians and refreshments will be served during the evening. Among the chaperones will be President and Mrs. Karl T. Compton. Every member of the Senior Class, including members of the Dance Committee, will be free for the evening, as the officers of the Junior Class have agreed to act as ushers. In spite of the proximity of the mid-year examinations, the Committee expects a large attendance since a large number have already applied for tickets.

Interview On Human Engineering Features This Month's T. E. N.

Last Issue by Old Board Placed
On Sale Today; New
Type Used

With an interview by Johnson O'Connor on "Human Engineering," and an article, "Opportunity in Russia?" by Clarence T. Starr as the features, the January issue of *Tech Engineering News* was placed on sale today.

This issue is the last to be published by the retiring board, the recently-elected men taking charge of the publication's affairs after the distribution of this copy. The results of the elections are formally announced on the editorial pages.

Articles on chemistry, electrical transportation, and color photography tend to make the subjects treated in the remainder of the volume of a varied nature. Professor H. B. Underwood writes on "Recent Uses of Catalysis," while E. Harold Anderson '32 contributes an article, "The Electric Horse."

H. Parker, of the Kodak Research Laboratories, writes on the subject of "Color Photography." The recently-instituted Engineering Digest page, consisting of articles appearing in other engineering publications, appears again with several interesting articles.

A new type style is used in this issue, while the cover design is that adopted this fall. The cover picture shows the effect of exterior lighting of a large building.

DANCE WILL FOLLOW GAME ON SATURDAY

Freshman Team To Meet Brown
At Hangar Gym

Technology's first term social season will be brought to a close with a basketball dance following the game between the freshman and varsity teams of Technology and Brown, next Saturday. The games will be held in the Hangar Gym and the dance will be in the Main Hall at Walker Memorial, with music by the Techonians. Tickets good for admission to both events may be had at 75 cents per couple.

Freshman Forgets Clothes In Haste To Reach Home

Haste makes waste. So states the copybook maxim, but haste can also make for an embarrassing situation as one Technology freshman has recently discovered. During the week preceding the Christmas vacation, this freshman dreamed of going home, but as the hour of departure drew near he was found unprepared.

Hastily packing his belongings, he hurried to the railroad and boarded a limited train. There he breathed a sigh of relief as he removed his overcoat, but the sigh was cut short when he discovered that he had forgotten his coat and vest and was in his shirt-sleeves. A search of his luggage disclosed that he had also failed to bring the coat of his tuxedo, but he still had one complete suit in his suitcase. He retired to a secluded part of the car and donned the extra suit after sending a telegram to his fraternity house requesting that the missing garments be sent to him.

Year Book Offer Will Close With Sign-ups Tonight

Last Chance To Save A Dollar
In Purchasing 1932
Technique

Sign-ups for *Technique*, which have already reached 1,000, will be closed this evening. Today will be the last chance for those who desire to buy the Yearbook to save a dollar, inasmuch as after today the price of the *Technique* will be five dollars instead of four.

It is expected that those who intend to take advantage of this offer will seek a representative of *Technique* to make sign-ups, for the agents may not be able to take care of everyone. Last year many were disappointed because they had not made this arrangement, for the entire edition was sold out and no copies were offered for sale to those who had not signed up. More than 1,300 sign-ups are expected before the close of the drive tonight.

Those who have already taken the Pi Delta Epsilon offer will have nothing to pay at this time, but those who sign up pay \$2, with the remainder due the first week of February. The entire amount may also be charged to one's Bursar's account if it is so desired.

The Yearbook appears some time after the annual Open House Day in the spring. First copies are distributed after the famous *Technique* Rush, the initial copy going to the fellow who captures the first paddle.

FRENCH PROFESSOR IN LECTURE SERIES

M. Fernand Baldensperger At
Lowell Institute

"France during the time of Goethe" is the subject of a new series of free public lectures to be given by M. Fernand Baldensperger, professor at the Sorbonne and co-director of the "Revue de Litterature Comparee," under the auspices of the Lowell Institute. This group of six lectures will be given at 5 o'clock in the afternoon on successive Mondays, Thursdays, and Saturdays, beginning Thursday, January 21, in Huntington Hall, 491 Boylston Street, Boston.

Tickets may be secured, free of charge, by applying by mail to the Curator of the Lowell Institute, 491 Boylston Street, Boston, and enclosing one stamped, addressed envelope for each ticket desired.

STUDENT PAPERS WILL BE AWARDED STRATTON PRIZES

Professional Societies Plan To
Make Contest Annual
Event

AWARDS ON CLASS DAY

Prizes amounting to one hundred dollars, provided by the Samuel W. Stratton Fund for the best student scientific papers presented before meetings of the student professional societies during the year, were announced by Professor Samuel C. Prescott, head of the Department of Biology, and Professor William H. Timbie, of the Electrical Engineering Department, before the meeting of the Combined Professional Societies yesterday afternoon.

These prizes were started last year by the late Dr. Samuel W. Stratton. The money is again available this year, and it is understood that if sufficient interest is manifested among both students and Faculty, a prize fund can probably be obtained, the income of which can be used yearly for this purpose.

It is now proposed to make this contest an annual event of considerable importance. Papers, which would be strictly limited to fifteen minutes or less would be presented before a special meeting in each society and representatives for later competitions would be chosen as a result of these presentations. These papers would then be read before a joint meeting of the Professional Societies, and not more than five be selected for the finals.

It is proposed that the finals be made part of the Class Day exercises. Professor Prescott said, "I think the thing can be made a real event on what is otherwise a rather tame day. I also believe that President Compton would not object to inviting three men of outstanding position in science and engineering to act as judges."

"An Engineer Hates to Talk"

To the men participating, the value of such a contest can hardly be overestimated. According to Professor Timbie, "An engineer hates to talk. His idea of a good speech is: 'There are the facts, darn you! Take 'em or leave 'em!' But engineers must talk for themselves. That's the whole trouble with them. They do all the work and then some lawyer or business man who talks fast gets all the money."

Dr. Prescott pointed out to the delegates, "Later on, you may be presenting papers before your Professional Society. These contests would give you a chance to get some practice in presenting your report and in meeting questions and discussion on your feet."

Inasmuch as the papers would be limited to not more than fifteen minutes, so that the finals could be run off on a reasonably short program, contestants would also get practice in condensing the essential features of the paper to come within that time limit. Fifteen-minute papers which run up toward the hour mark are not received cordially on carefully-timed programs.

It was also suggested that more or less non-technical and popularized treatments of the subjects would be desirable, because many of the papers will be presented before outsiders or to students whose main professional interests lie in other fields. "They need not be the results of original research," said Professor Prescott, "but digests of something in your professional field."

Most of the Institute Faculty is heartily behind the idea, and has pledged its aid wherever possible. Arrangements are being made whereby contest papers will be accepted for credit in the General Study, G-47, Committee Reports, which is a required subject for many men. No action was taken on the subject at the meeting beyond the agreement that the plan would be brought up for discussion at the next meetings of the separate societies.

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FORTUNATE OPPOSITION

THOUGH at times proper newspaper procedure prohibits any great amount of comment upon past events, we would take this liberty to call to attention a motion brought before the Institute Committee Thursday afternoon by the Executive Committee of that body. The motion was designed to punish the Naval Architecture Society, the Points System Committee, and the Elections Committee for the continued absence of their respective representatives to the Institute Committee. The proposed penalty was the cancellation of such representation.

As to the Naval Architecture Society, its relation to the affairs of the Institute Committee might make the removing of its representative feasible when circumstances warrant it, but when someone undertakes to propose to that body that it completely eliminate the representation of two of its sub-committees, something is radically misunderstood.

To be sure, the representatives of these units owe it to the Institute Committee, if not to their own organizations, to be present at meetings. If undergraduate democracy is to be of value, the more separate units of student activity represented at the meetings of the Institute Committee, the greater is the significance of that body. If a representative chooses to neglect the duties of his particular office, some means of punishment should be devised which penalizes the representative, not the office.

We may thank those members of the body who defeated this motion, for preserving the unified harmony of the Institute Committee, and for their full appreciation of its purposes. We would suggest that the Executive Committee evince more obviously its understanding of the movement over which it exercises, supposedly, intelligent control.

GRASP THE PERSPECTIVE

REPEATEDLY instructors urge students to take a comprehensive view of their problems before commencing work, to understand the principles on which it is to be solved, to get a perspective of the work at hand. That such advice is of value is attested to by the fact that those able to obtain such a view are the ones most successful in attaining the desired ends, correct solutions.

Now that the end of the term approaches and it is necessary that through examinations instructors form some opinion of what students have learned, the value of knowing how the parts of a course are related becomes apparent.

Such small applications of the advice seem reasonable, but beyond these there lies a wider application. When a man has reached the point in life where he is preparing for what he intends to do for a living, it is time for him to make a survey of what he has done and what he intends to do. He should withdraw from the immediate present and look at himself and his work with a view to finding where his present course leads. He needs a perspective of his own life, both present and future. Realizing that it is impossible to foretell the future, one can at least look upon himself and say, "Here is the way I came; here I am; now, where am I going?"

Is not the man without such a perspective like the three blind men who went to a fair and there felt some new, strange animal. On the way home they questioned one another about the beast. "It is round and rough and tall like a tree," said one; "No, it is small and flexible like a rope," said the second; "You are both wrong, it is flat and wide, like a wall," said the last. Like the three men who were unable to grasp the features of the elephant from feeling its leg, its tail, or its side, the man without a perspective of his life has no definite idea of what he is doing or where he is going. Every view presents something different.

By getting off at a distance and considering his work as a whole, one can see the relations existing between the different parts and can obtain an idea of what the general effect has been. Everyone has need of such a view of himself, and for technical students who are making specialized preparation for their life's work, such a perspective is of extreme value.

OPEN FORUM

Skoal to Voo Doo

To the Editor of THE TECH:

Four years have I sighed over Technology undergraduate publications and reflected upon how richly deserved were the epithets thrown northward across the river by the architects. Certainly all hope of seeing the English language used in a manner even remotely befitting the lowliest of its traditions had long since deserted me.

But now — Allah be praised — with the advent of the current Voo Doo, there appears a ray of light on the horizon. Hitherto confined to the fatuous inanities of our own brethren and the equally puerile vacuities of our contemporaries, this one issue emerges as a glorious tribute to the unaccountably marvelous acumen of the editors in turning it over to a "group of undergraduates desirous of putting out a different Voo Doo." All hail to the anonymous array of heroes, for such they must be.

Of course I realize that probably never again will Phos feel so "generous and unusually benevolent"; one should never hope for the same miracle twice. Let us pray, however, that the next time the board is meditating on the necessity of another "Back Bay" number, they shut their eyes, take a deep breath, and again turn the whole magazine over to the aforementioned heroes. Happy would be that day!

(Signed) FRANK B. SPEIR '32.

The Clement Prize

To the Editor of THE TECH:

In these times a prize of \$500 ought to be interesting, especially when it will be paid for a maximum of three thousand words on a lively subject obscured, it is true, by a less lively title.

The prize is known as the Percival Wood Clement Prize "for the best thesis in the (Continued on page four)

As We Like It

Shubert

"THE GOOD COMPANIONS"

Few have read Mr. Priestly's book without half wishing, half believing, that "The Good Companions" must really exist, a group of lovable characters touring the picturesque provincial villages and towns of Old England. The audience at the Shubert found them incarnate, and left with the feeling that a dream had come to delightful reality.

"The Good Companions" is not to be judged by academic standards of drama. It is good, old-fashioned entertainment, written without subtlety, acted robustly, driven home hard. It is a glimpse of the old-fashioned stage. The scenery is not elaborate; the orchestra plays lustily between scenes, and occasionally accompanies the acting; the characters are straightforward, Dickensian men and women of flesh, blood, and humor, acted in a spirit that is hearty and informal.

The charm of the play lies not in the plot, but in the people, with their dialects, humors, and reactions toward each other. Those who have read "The Good Companions" will be interested in comparing the characters as presented on the stage with their own conceptions gained from Mr. Priestly's book. As far as the company at the Shubert is concerned, it is enough to say that if Mr. Priestly's characters were not like these, it was their mistake.

It can hardly be called a "play"; it consists of sixteen scenes or episodes, some boisterous, some musical, some romantic, some reflective, all humorous, some highly dramatic in good old show-boat style, and all sprinkled with pungent, pointed dialogue and speech. The first six scenes are like roads converging from different directions on a single point, as the different characters are brought together by various vicissitudes, and band together as a concert troupe. An intermission signifies the passage of six months of touring. The second act is more dramatic, less rollicking than the first, as misfortune befalls the company, and the various players are scattered, singly and in pairs, to go their appointed ways.

If example were needed of the priceless value of friendship, this play would provide it. Its lesson on life is more sound and fundamental than all the sophisticated drama of a pseudo-scientific age. Moreover, it is entertainment of the most mirth-provoking sort. "The Good Companions" is a rare visitation.

R. J. D.

Streamlines Shapes For Train, Bus And Auto Suggested By Engineers

New Designs Would Reduce Wind Resistance as Well Improve Power

More than eighty years ago, speeds of 65 and 75 miles an hour were not uncommon on the railroads, and no great increase in the average speeds have been noted since then. Only during the past ten years have other forms of transportation increased their running speeds to such an extent that they have far outclassed the railroads.

Research engineers from the Westinghouse Electric and Manufacturing Company, who prepared a paper on the subject, "The Air Resistance of High-Speed Trains and Interurban Cars," claim that streamline shapes will have to be applied, and thus with the same motive power average speeds from twenty to thirty miles an hour higher speeds will be attainable.

Streamline Adopted to Motor Cars

When super-highways connect important cities, busses will be able to maintain speeds of forty to fifty miles an hour without enlarging their engines, merely by adopting streamline designs. It is the opinion of the authors of the paper, Dr. Oskar G. Tietjens and K. C. Ripley, that this will occur during the next few years.

To meet this competition, they assert, the rail carriers can obtain speeds of one hundred miles an hour by decreasing the train resistance. This can be done without appreciable sacrifice to either safety or economy. Light weight, streamline designs, and other radical departures from the present types are suggested by the two experts.

Train Has Big Advantage

According to their computations the costs of running a train at an average speed of one hundred miles an hour is only slightly larger than the costs of running the same train at a forty to fifty mile average. The price is well below the cost of air transportation at a similar speed, and the bus will have difficulty in ever obtaining such speeds.

Tietjens says that half-way streamlining, such as rounding a few corners, or a slight sloping of the windshield, has little effect on air resistance, but with proper design unexpected results may be obtained.

"If the body, wheels and fenders considered as a unit are shaped according to modern aerodynamics," he says, "a car shape can be developed that will have but

one-fifth the air resistance of the present type of automobile, yet it will have the same ample passenger space as our sedans of today."

"Such a car would require only 30 horsepower instead of 90, for an 80-mile speed. Less than 50 horsepower would be required to go 100 miles an hour instead of the present 160 required today. A present type of car with a top speed of 80 miles an hour has a mileage of about 10 miles per gallon. Streamline the same car and the power saving will give 30 miles to the gallon."

"There is no question whether the streamline shape will be adopted or not," concluded the paper, "The only question is as to when it will happen and who will be the first in this new field of transportation."

LAST CALL FOR T.C.A. MONADNOCK PARTY

Students who intend to join the group being organized by the T.C.A. for a four-day trip to Monadnock Mountain following the mid-year examinations will meet at the T.C.A. office today at 5 o'clock. Calvin H. Mohr '33, who is making arrangements for the trip, will determine at the meeting the number of men who will go and whether they will travel by train or by automobile. Students who wish to join the party should notify the T.C.A. or attend the meeting tonight.

Cross the Avenue near Armory to Lydia Lee Easy to reach for lunch 11 a.m.-3 p.m. Steak Dinner 65c

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INSTITUTE SQUASH COACH WON TITLE FOR THREE YEARS

Summers' Retention This Year Considered As Gift To Technology

SQUASH SIX YEARS OLD

Squash First Considered For Technology Early In Spring of 1926

Jack Summers, Institute squash coach, who last week defended his title as National Professional Squash Racquets Champion, successfully against the foremost pros of the country, presented Squash-at-Technology with an appropriate sixth anniversary gift. It was about this time six years ago that squash was first mentioned as a possible sport at the Institute.

After considerable effort on the part of Bursar Horace S. Ford, the Corporation appropriated, early in the spring of 1926, \$25,000 for erecting and finishing a building on the newly-acquired property west of Massachusetts Avenue for the housing of eight squash courts. But since such a plan necessitated the providing of a separate group of lockers and showers, it was felt that better results could be obtained with the appropriation by erecting the squash courts in conjunction with the track house, where a sufficient number of lockers and showers were to be had.

Squash is Popular

At this time squash had just been recognized by the leading eastern universities as a competitive sport. At Harvard, where several squash courts had been built as an experiment, it was necessary to convert handball courts into squash courts in order to accommodate the ever-increasing number of players.

Even after the construction of the squash building, which was completed on November 15, 1926, the students at the Institute showed no enthusiasm for the game of squash. Except for the Faculty and a few graduate students, the courts were unused. Bursar Ford then realized that his plans for making squash a popular game at the Institute needed a coach to make them complete—someone who could instill in the student body a desire to come out and play squash.

Summers Chosen as Coach

Of the three men considered as candidates for the position, John L. Summers was chosen. The selection of coach was delayed for almost three years after the completion of the squash courts. Mr. Summers had an enviable reputation as a squash and tennis player. He was, at the time of his appointment, the New England Professional Squash Racquets Champion, and had been engaged at the Union Boat Club for the past eleven years as professional coach. His training consisted of a few years with Tom Pettit, former World's Professional Court Tennis and Racquets Champion; after which time he spent a year at the Harvard Club as an assistant to Harry Cowles, who at one time had been the New England Professional Squash Racquets Champion. Several years were spent by Mr. Summers at the Longwood Cricket Club assisting Bill Croker; and it was not long afterwards that Jack was chosen to replace Croker. Summers now holds the position of coach at the Club, and in addition, he possesses the coveted title of National Professional Squash Racquets Class A Champion for the last two years.

More Interest is Shown

Soon after Summers' arrival at the Institute, squash began to take an upward trend. The number of men playing the game each day was doubled by the end of the year and in the year following, more than 180 men were playing the game each day. So noticeable has been the increase that the Corporation is considering the building of additional courts.

In the meantime, students will continue to use the old courts until other arrangements can be made, and Coach Summers will endeavor to make the game more popular than any played at Technology at present.

Not so long ago, at early dawn three officers from the Fordham R.O.T.C. went cantering in the park for their first ride in a newly-formed riding club... a half an hour later back to the stables came the horses—riderless.

BEAVER BRAWN

For all those who are interested in seeing Technology teams win, the Clark basketball argument tonight is recommended with highest honors. The only game the Clark aggregation has won was over their own managers, or waterboys, or something. On second thought it must have been the Alumni, but a good team of waterboys could probably have licked them, anyway.

But—Friday night the hoopsters go against Harvard, with about the reverse of the above true in this case. Saturday night they should be in the running again against a Brown team here. Brown has been having a bit of trouble against big teams, with a loss to B. U. to her credit, or discredit.

Last night saw the first of a playoff for the Dorm basketball trophy, whatever it may be. Lynch and Sbraga laid off the proverbial women long enough to ring up 15 of Nichols' 24 points. Wood did a bad job of finding the basket to place only 13 scores. The outstanding play of the game was registered by Mr. Bruno Werra, who did a most excellent job of going no place fast with grace and facility, and of shooting (once) with the same "gentile" air.

This weekend is the climax of the winter sports season at the Institute. Each of the teams is getting in its share, or more, of workouts. Basketball has the three aforementioned games; the hockey team, so gracefully named "icemen" by a past printer, have two encounters, one being with Williams, which hasn't been doing so well this season, either; the swimming team will suffer from overwork and a variety of other sports will get their names forever inscribed in the annals of some bespattered scorebook.

F. K.

Dorm Basketball Playoff Game Is Taken by Nichols

Old Dorm Winners Defeat Wood By 24-13 In First Of Three Games

Last night in the Hangar Gym, Nichols Hall won the first game in a two-out-of-three series with Wood to determine the winner of the Dormitory basketball championship. Both teams had gone through their regular Dormitory League schedules without a single defeat, Nichols being champion of the Old Dorm League and Wood proving supreme among the new units. The final score was 24-13.

Wood was a slight pre-game favorite, because of the heavy scores they had run up against their league rivals, but it was Nichols which carried the fight from the start and continually outfought the over-confident losers.

The first half was largely defensive. Only one point was scored in the second quarter, and the half-time score was 9-2 for Nichols. Wood displayed clever passing, but missed many easy shots.

Nichols continued to add to their lead in the third quarter, but in the last canto, Wood showed some semblance of life and outscored their rivals—after it was too late. Captain Jack Lynch and Sbraga were the leaders for the victors, scoring eight and seven points, respectively. Tom Shaughnessy played a sterling game for the losers throughout, and scored nine of his team's total of thirteen, to cop scoring honors for the evening. Wood's shooting was distinctly off color in last night's game. If they flash their old form in the next playoff game, a more even contest can be expected.

Last night's lineups:

Nichols			Wood		
G	F	P	G	F	P
Lynch, lf	4	0	8	0	0
Sbraga, rf	3	1	7	0	0
Wetherell, c	1	1	3	1	0
Jones, lg	1	0	2	0	0
Werra	0	0	0	1	0
Brosnahan, rg	2	0	4	1	1
Totals	11	2	24	6	1

Referee: McCarthy. Time of periods: 10 min.

A professor of Franklin and Marshall reported the theft of his car to the police when he failed to locate his automobile after an eleven o'clock lecture. A check-up revealed that he had walked to class that morning.

"Cream of the Crop"

LUCKY STRIKE
"IT'S TOASTED"
CIGARETTES

Robert Montgomery

Copyright, 1932, The American Tobacco Co.

"There are no better cigarettes"

HE BOBBED UP SMILING

Bob Montgomery has been an iron worker, deck hand, railroad mechanic and a booted-at extra in Hollywood... He zoomed to the top in noise-reels because the girls were cuh-razy over his grin... And they'll go completely zoeey when they see him in his latest M-G-M, "PRIVATE LIVES"... He's stuck to LUCKIES these last 7 years... Not a buffalo nickel was paid for his statement... He gave it just for a pleasant "Thank You."

"I have always used LUCKIES—as far as I am concerned there are no better cigarettes—congratulations also on your improved Cellophane wrapper with that little tab that opens your package so easily."

Robert Montgomery

"It's toasted"

Your Throat Protection—against irritation—against cough
And Moisture-Proof Cellophane Keeps that "Toasted" Flavor Ever Fresh

TUNE IN ON LUCKY STRIKE—60 modern minutes with the world's finest dance orchestras and Walter Winchell, whose gossip of today becomes the news of tomorrow, every Tuesday, Thursday and Saturday evening over N. B. C. networks.

OFFICIAL BULLETINS OF GENERAL INTEREST

Physics and Physical Chemistry
Massachusetts Institute of Technology
Wednesday, January 13, 4.00 p.m., Room 4-402
Theoretical Seminar for Graduate Students:
Mr. J. P. Vinti will talk on Atomic Wave Functions.
Thursday, January 14, 4.00 p.m., Room 4-231
Physics Colloquium:
"Akulov's Theory of Ferromagnetism." Mr. D. G. C. Luck.

C.A.L.E.N.D.A.R

Wednesday, January 13
6.15 p.m. — Alpha Chi Sigma supper meeting in Faculty Dining Room of Walker Memorial.
7.00 p.m. — Mortar and Ball smoker in Grill Room of Walker Memorial.
7.30 p.m. — Tech Merrimakers orchestra rehearsal in East Lounge of Walker Memorial.
8.00 p.m. — Basketball game with Clark in Hangar Gym.
Thursday, January 14
5.00 p.m. — Banjo Club rehearsal in East Lounge of Walker Memorial.
6.00 p.m. — Instrumental Club rehearsal in East Lounge of Walker Memorial.
6.30 p.m. — Massachusetts Safety Council dinner meeting in North Hall of Walker Memorial.
8.00 p.m. — Armenian Club play rehearsal in West Lounge of Walker Memorial.
Friday, January 15
8.00 p.m.-2.00 a.m. — Senior Class Prom in Main Hall of Walker Memorial.

Undergraduate Notices

BIBLE STUDY TONIGHT

The fourth in a series of five Bible study meetings conducted by the T.C.A., will be held tonight at 6.45 o'clock in the T.C.A. office. The subject will be "Paul's Companions."

FRESHMAN BASKETBALL

The freshman basketball team will have its picture taken Friday at 5.30 o'clock in the Photographic Service Office in the basement of Building 11.

VARSITY BASKETBALL

The varsity basketball team will have its picture taken Thursday afternoon at 5.30 o'clock in the Photographic Service Office.

P. T. SUBSTITUTIONS

All men planning to substitute track or any other sport for Physical Training in the second term are requested to report to H. P. McCarthy's office on the third floor of Walker Memorial. Sign-ups may be made any morning before January 21.

Infirmary List

Appledorn, W. R. '33
Brooks, C. '35
Burke, James '34
Nashner, S. '34
Weber, Carl (employee)

OPEN FORUM

(Continued from page two)

support of the principles of the Constitution of the United States of America and the first ten amendments thereto."

It is an annual prize, open to students of the Junior and Senior classes of eighteen New England colleges, including yours. It has been in effect three years. The first year there were only five entries, the second year only nine, and last year only twelve.

The donor, who died in 1927, was a former Governor of Vermont, and a devoted advocate of the rights of States against what he believed to be increasing encroachment upon them by the Federal Government. During his term as Governor, he declined to call a special session of his State Legislature to ratify the Nineteenth or Woman's Suffrage amendment. He was bitterly opposed to the Eighteenth or Prohibition amendment.

In establishing this prize, Governor Clement sought to encourage young men and women to study the Constitution and its amendments, of which he once said: "It is worthy of note that the first ten amendments . . . were not grants of further power, but were limitations and restrictions upon the Federal Government. . . . Three of the four most recent amendments, viz: the Sixteenth, Eighteenth, and Nineteenth . . . are . . . direct invasions of State rights."

One who would argue, for example, that the Prohibition amendment has no place in the Constitution by reason of the character and purpose of that document and its first ten amendments, would be well within the subject and might win \$500. At any rate, as Trustee of this prize



"Down with the yellow rag!"

The Lounger chuckles to himself over the whole page of free advertising that the pseudo-*New Yorker* is slinging away. It must be a tough year when the college comic (?;&-) has to fill up its advertising pages in *Ballyhoo-Hoo* style.

While on the subject, it sure is a swell idea for the staff to skin out of a month's work by inviting in a bunch of suckers to fill up the pages with so much this and that. The Lounger is going to begin an active campaign for a Professor's issue of the "yellow rag" once a week; geez, gosh, it would give us a chance to do the "Triple E" problems once a week.

Oscar has been seeing red for the past few days. The Lounger would hate to be in the shoes of the scum who played the lousy trick on Polar Bear Hedlund the other day. It seems that Oscar decked out in his usual winter finery, purple hat, two pairs of gloves, a couple of sweaters and a pair of pants, note the pants! popped out of the track house the other day, and from behind his back a hairy arm reached out and adroitly removed the head-dress. So far, so good! but what griped Oscar was that some half hour later he got it back, full of melting snow! Now, he swears he'll lynch the first guy he sees with a guilty look in his eyes. Better be careful, boys, or there'll be a murder on the lot.

The Lounger hates to give away any such sweet system, but . . . Chippy and Bill are buddies. When they meet a new femme — a nice one — she is the recipient of a big rush. If Chippy and Bill are broke (they are buddies), they get all the effects of a rush without the expense. Hark ye: when sure that the girl is already dated, they (the buddies) call her up and invite her out. She is profusely sorry, favorably impressed, and remembers the buddies with tender affection — all for 0.

There is not a system that can be beaten, as Bill (Chippy's buddy) found out. For, said Bill, when broke, one night, "Chippy, have you dated her for Friday?" "Yes," quoth Chippy. "Sure!" "Sure!" So Bill grabbed a 'phone and called the young lady, hoping to work the system on her. Chippy rolled around the floor shaken with unholy mirth. "Because," says Chippy to the Lounger, "I haven't got a date with her for Friday!" Bill and Chippy were buddies.

fund, we would be grateful for your cooperation toward a wider knowledge of its existence and an increased interest in the competition for it. We must pay \$500 every year to some one of you, and all we ask is a good run for the money. You can learn all about the terms and conditions from your own college authorities.

Yours hopefully,
STATE TRUST COMPANY.
Rutland, Vermont.

TRIALS HELD FOR RELAY TEAMS SHOW BRIGHT PROSPECTS

Abundance of Material on Hand For Both One And Two Mile Teams

As a result of the trials held last Saturday for the relay teams, Coach Oscar Hedlund found that his squad contains some very promising material. There are ten men out for the varsity one-mile team and of these six were members of last year's squad and the remaining four were members of the freshman team of the Class of '34.

Leading veterans of the team are Johnny Jewett, Bill Hall, and Rudy Rosas. Of the three aforementioned men, Rudy Rosas is probably the best. In the interclass track meet held last fall, he showed his heels to the field of competitors.

Last Year's Frosh Team Intact

Competition is, however, being made stiffer with the addition of Rees Schwarz, Earl Lockhart, Walter Wrigley and Charley Hall, who have come up from last year's freshman team. All of these men have had one season of competitive running and are proving to be very good contestants for positions on the team.

Technology's two-mile relay team is, unfortunately, not graced with as much material as the team which runs the mile. Nevertheless, the aspirants for places on it are fine runners. Jack Kearns is the leading man on the squad and has as teammates two varsity men and four freshmen. Kearns' most dangerous rival is Bob Mann, a Sophomore. In every race he gives Jack a hard battle and once this year he succeeded in trimming his mighty opponent.

Other promising members of the team are Bob MacKay and Francis Buresh of the Varsity and J. "Goochy" Smith, Johnny Barrett, and Charley Hall, who were on last year's freshman squad.

Barrett is captain of next fall's cross-country team and with the practice he got in the long-distance running during the past season he should be able to cover his 880 yards in fine shape without even getting warmed up. His other three teammates are fine men and should give even the more experienced runners a stiff fight for positions.

Options Offered To Freshmen In English Courses

Cultural Subjects Are No Longer Lacking In Freshman Curriculum

Virtually an answer to those men who believe that the average Institute man is too cut and dried, too much without literary interests, comes the announcement of options in the freshman English course. It has always been the consensus of opinion that Technology men receive too little cultural, and too much scientific training.

To the freshmen now comes the opportunity of choosing the field of English training. There have been three options offered. The first is a course entitled "Introduction to Reflective Thinking." This option, as stated in the circular to the English Department, "is intended to offer to students of serious intellectual interests a course which will enable them to make more effective use of their intellectual powers, both in the analysis of ideas, and in their synthesis and presentation."

Also Technical Option

The second option is of a more technical character. Freshmen may choose a course in Business English, which will include very general topics, including business problems, business literature, business tact, and the writing of technical reports.

Finally, freshmen are offered a course in Writing and Literature. It is the purpose of this option to "attempt to give the students some standards for taste and judgment in the reading of contemporary literature. Short weekly papers, based on the reading of stories, plays, and poems, will allow the student to express his own attitudes and to sharpen his critical opinions of what he reads. . . ."

This year, University of North Carolina will have exactly the same football schedule as it had last fall.

Sports Events for Week of January 11

Jan. 13 — Hockey	Brae Burn	Away
Jan. 13 — Swimming	Harvard	Away
Jan. 13 — Basketball	Clark University	Home
Jan. 13 — Freshman Swimming	Harvard	Away
Jan. 13 — Freshman Basketball	Boy's Club	Home
Jan. 15 — Basketball	Harvard	Away
Jan. 15 — Wrestling	Tufts	Away
Jan. 15 — Freshman Wrestling	Tufts	Away
Jan. 16 — Hockey	Williams	Away
Jan. 16 — Swimming	Brown	Away
Jan. 16 — Basketball	Brown	Home
Jan. 16 — Freshman Swimming	Brown	Away
Jan. 16 — Boxing	Army	Away
Jan. 16 — Freshman Track	Andover	Away
Jan. 16 — Freshman Basketball	Brown	Home

As We See the MOVIES

R.K.O.-Keith Boston

THE UNEXPECTED FATHER

Fate, being kind, presents to Jasper Jones, a retiring and eccentric oil man, a fine gusher of oil. Jones promises himself a good time with the income of this million-dollar well and sets forth into the world to find out that a fool and his money can soon be parted. As soon as Jones arrives in the big city and begins to lavish money, he is appropriated by Evelyn Smythe, a grasping blonde, and her rapacious mother. The day before his wedding Jones narrowly escapes running down a little girl, Pudge, who has cherished ambitions for a fairy-story father, and insists on calling J. J. "daddy," much to his consternation. Under the suspicious eye of a limb of the law, he is forced to take this imposing youngster home, having said that she was his child, and bids his valet to engage a trained nurse to care for her. Unsuspecting, a nurse is engaged from a veterinarian hospital, but Jasper likes her and asks her to remain. The Smythes sense something is wrong and join efforts to force Jones to go through with the wedding. But Pudge has other plans. She loves her adopted daddy, and has found a strong love for her nurse, Polly Pickrel. Finally, Pudge succeeds in breaking up the wedding which was taking place on Jones' yacht and enables that embarrassed gentleman to propose to Polly instead.

Slim Summerville, who plays the part of Jones, refrains nobly from his usual type of slap-stick, but since this is his first starring vehicle, it is hardly to be expected of him to be perfectly natural in the role. The two supporting limbs, Zasu Pitts, as Polly, and Cora Sue Collins, as Pudge, give performances well worth mentioning.

On the stage that great little showman, Benny Meroff, is headliner. His performance showed why he was kept at the Palace Theatre, New York, for nine weeks. All in all, with an excellent comedy and a fine stage show, the program is recommended as a cure for the blues.

R. B. W.

Fine Arts

KAISERLIEBCHEN

Liane Haid easily carries away the honors in the latest German musical film at the Fine Arts. She has beauty, charm, and could easily hold her own with Hollywood. Walter Janssen, star of "Two Hearts in Waltz Time," is an effective hero as the Kaiser.

The plot is simple and is set forth much in the manner of a Viennese operetta. Kaiser Joseph, travelling incognito among the common people whom he loves, meets the postmaster's daughter, Liesl, who is loved by a poor stage driver. Her father, however, is forcing her into a wealthy marriage with a man she despises. The Emperor and Liesl fall in love, the girl thinking the object of her affections is only a poor man. On his return to Vienna, Joseph, knowing that his love can never mature, arranges a conference with the heartbroken girl. As a final gesture the poor suitor is made Imperial Postmaster by the King.

D. A. R.

Newspaper Seven Years Old Found In Wastebasket

Stock Market Reports Show Marked Contrast To Today's Paper

Yellowed with age, torn and decrepit, disreputable in appearance, an old newspaper dug out of a waste basket in the model room of the Naval Architecture Building has an interesting tale to disclose as to the advertising methods of automobile manufacturer in 1925. Except for the fact that two of the largest of the advertisements are devoted to two types of cars which have now become orphans, the reader would think he were looking at an advertisement for a car now being displayed at the Motor Show in New York.

Almost a half page is devoted to enlarging on the merits of the Rollin car, with the usual ballyhoo which one can now almost recite offhand. It is noticeable, however, that in all these advertisements, much less emphasis is laid on mechanical details than today. Duco paint is more or less of a novelty as are four-wheel brakes. Dependability is stressed much more than speed, which comes in for little attention. Prices are much the same as at present.

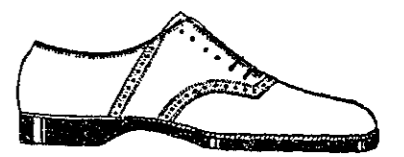
The stock lists showed a different state of affairs, however. Baltimore and Ohio, now around 15, was quoted at 75. Chesapeake and Ohio, now at around 25, was up to 91. General Motors was at 75 as contrasted with its present 25. Sears, Roebuck, from 156 in 1925, has dropped to around 30 today. Other stocks showed a similar drop.

METHOD IS DEvised TO SQUARE CIRCLE

Attempt To Trisect Angle Nets Solution To Problem

That he has discovered a method for squaring a circle is the claim of Preston C. McMullen, Albany engineer. As far as he knows, his method, with an accuracy of one in twenty million, is the best to have ever been devised. McMullen was working on the trisection of an angle, when he hit upon a line upon which the desired square could be built. He explained, through the Associated Press, that if a circle a mile in diameter were squared by this method, the difference in area would be about that of a tomato can. This difference is caused by the fact that the value of pi could not be determined with exactness, and that the value used by McMullen was calculated to only nineteen decimal places.

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A MODEL FOR EVERY
ACTIVITY OF STUDENT LIFE



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Another successful RENTAL season for our
DOUBLE BREASTED TUXEDO
at student rate of \$2.25 ♦ Single Breasted \$1.50
READ & WHITE
111 Summer Street ♦ BOSTON ♦ 93 Massachusetts Ave.