

CIRCUS PROBABLY TO BE RUN DURING THE SECOND TERM

Institute Committee Decides to
Appoint Committee to
Make Plans

LAST HELD IN MARCH 1923

Activities, Fraternities, and
Courses Will Arrange
Special Stunts

A 1924 Technology Circus is practically assured after action taken last night by the Institute Committee to authorize the chairman to appoint a Circus Committee. According to the chairman the affair will probably take place about the middle of next term. In telling the Committee about the discussion that took place in the executive committee when the matter was presented there, Glen L. Bateman '25, chairman of the Institute Committee said that it was the opinion of the executive committee that there were too few chances for the student body to get together since the abolition of the Tech Night Show, and that the circus would be a good thing. There were no objections by any of the committee-men present.

The Technology Circus was last held in March of 1923. It was featured by such attractions as side shows by the activities, special stunts by the fraternities and clubs, and boxing and fencing contests. Main hall, Walker, was used for most of the stunts, but this year some other place will probably have to be found on account of the ruling prohibiting decorations in that room.

Chairman Bateman called a short meeting for next Thursday for the purpose of considering the elections to the Junior Prom Committee. Recently elected freshman representatives on the committee were present for the first time, and each was asked to stand so that the old members might know him.

ONLY 150 TICKETS TO CONCERT SOLD

Musical Clubs Break Custom By
Limiting Sale, As They
Threatened

Contrary to practice the Combined Musical Clubs have decided to live up to the letter of their ultimatum which was issued last week. The ticket sale for the Fall Concert is now officially over since the last of the allotted 150 tickets was sold yesterday. The management announces that absolutely no more tickets will be sold.

Although appearances seem to indicate that there will be no stag line on Friday evening, prospects are not as gloomy as they have been made to appear since quite a few of the men on the clubs will not be accompanied by lady friends on the evening of the concert. It is also highly probable that several tickets have been purchased jointly by two men. The management of the clubs has stated that it is not with the idea of eliminating the stag line that the ticket sale has been so limited but to eliminate the conditions resulting from too powerful a stag line.

To Begin Promptly

In past seasons announcements similar to the one made this year have been made but it has always been more for the purpose of a slight check on the last minute rush for tickets and to prevent too crowded a condition of the floor, than to limit the attendance to a definite number. Consequently such statements have not been heretofore enforced. This season, however, the clubs expect definite results from their stand and are determined to live up to their word.

The concert will begin promptly at 8:15 o'clock tonight in the main hall of Walker and will last until 9:45 after which there will be dancing until 2 o'clock. As has already been mentioned, this is the first official opportunity for the undergraduates to hear the Combined Clubs this season. With exams so near, the hasty manner in which the quota of tickets disappeared is probably due to the general feeling among the student body that one must let off some superfluous steam before settling down to exams, by indulging in a little social activity.

WILL COMBAT CLINIC COLDS WITH CHLORINE

Chlorine treatment of colds is now available for men at Technology. Two sets of apparatus have been secured by the Department of Biology and Public Health, one to be used by the department and one to be placed at the disposal of the Clinic. Any student who wants to take the treatment will be allowed to do so, but the results are not guaranteed since the treatment is still more or less in the experimental stage.

This form of combatting colds first came into public notice when it was used by President Coolidge last winter. Since then it has been used at hospitals and clinics. Several other schools are using the apparatus in their clinics with fair results.

INTERCOLLEGIATE SMOKER IS HELD

Technology Well Represented at
Annual Event at Copley
Plaza Hotel

Technology had a large representation at the Intercollegiate Smoker held at the Copley Plaza Hotel Wednesday night. The chairman of the committee which arranged the smoker was an Institute Alumnus. Part of the entertainment was furnished by The Tunesters, an orchestra composed of Technology men.

The committee in charge of the smoker is a voluntary one, and has arranged the affair each year for the past four years. It is headed by P. D. Sheeline '19 of Technology; the other members are R. E. Cross of Harvard, Dan McKay of Amherst, and Gordon Douglass of Wesleyan.

The feature of the evening was a talk by James Jackson, state treasurer and former head of the state Red Cross, on the complete plans for the new University Club of Boston. He declared that building would begin as soon as weather conditions permitted, and that the clubhouse would probably be erected by the Fall of 1925. Although a large membership has already been obtained, he announced that there is room for a few more members.

The entertainment was provided by The Tunesters, and by a few vaudeville skits, including one in which many beautiful young women circulated among the audience, dancing.

The hall was decorated with the banners of various colleges which were represented. From time to time various college groups sang their college songs and gave their cheers.

DECEMBER NUMBER OF T.E.N. OUT NEXT WEEK

"Diesel Engine Design," by O. P. Robinson is to be the feature article in the December issue of T. E. N., on sale the latter part of next week. Another article which has been given much prominent mention is one by C. P. Main on the Great Lakes-St. Lawrence River Ship Canal.

Many other articles on all kinds of subjects of scientific interest will appear. "Aeronautical Events of 1924," by Professor E. P. Warner '17; "X-Ray Development," by Dr. Clark; and "Water Power Development," by Professor H. K. Barrows '95, are a few of these. R. W. Mitchell '15 of the Department of Chemistry has written an article on "Quantitative Analysis" for this issue. Professor W. S. Franklin, after whom the city of Bethlehem, Pennsylvania, named a playground a few months ago, has contributed a paper on a subject he has studied intensively, "Swimming Pool Construction."

FAVORABLE PROGRESS MADE BY PRESIDENT

Daily bulletins from Washington where President S. W. Stratton is recovering from an operation for gall stones continue to note improvement in the health of the patient. No adverse reports of the case have been received since the operation was performed, nearly two weeks ago, and the associates of Dr. Stratton here at the Institute are pleased with the rapid progress reported from the Garfield Hospital, where Dr. Stratton is confined. None of the officials at the Institute has made any announcement of the probable date of Dr. Stratton's return. A complete recovery rather than a hasty return is desirable according to general opinion.

NOMINATIONS FOR PROM COMMITTEE CALLED TOMORROW

Recent Entrance of Several New
Candidates Results in
Large Field

VOTE CLOSELY RESTRICTED

To Announce Results at Special
Meeting of Institute
Committee

Nominations for the Junior Prom Committee are now due and must be turned in at the Information Office before one o'clock tomorrow afternoon. Quite a number of nomination papers for the five positions on the committee to be filled in next Wednesday's election, have been circulating in the past two days so that a real contest is expected.

The polls will be held in the lounge in the basement of Building 5. Only men who are officially members of the Class of 1926 by the records of the Registrar, will be allowed to vote in this election. The results of the election will be announced at a special meeting of the Institute Committee next Thursday night.

No Points Given

C. R. Muhlenberg '25, Chairman of the Elections Committee, wishes to call attention to the fact that no points are given for membership on the Prom Committee so that men who have the maximum number of points allowed by the Point System Committee, may run in the coming election. This has been a point which has deterred a number of men from running for the Prom Committee who otherwise would have come out for nomination.

As at the recent freshman class elections, the new preferential voting system will be used. This system was inaugurated by the Institute Committee last May in an attempt to make class elections more representative of the desires of the majority. The Elections Committee believes that the system will show its real value in the coming election, since the candidates in this election will be better known to the voters than were the candidates in the freshman election, and that consequently the voters will be better qualified to make preferences.

CHEMICAL SOCIETY TO HOLD FIRST LUNCHEON

For the first time in the history of the society the Chemical Society will give a luncheon Tuesday at 12 o'clock. The luncheon is not restricted to members of the society but is open to all students. After the luncheon a short address will be given by Dr. F. G. Benedict, director of the Carnegie Nutrition Laboratory on the "Nutrition Problems in Metabolism Research."

The talk will include the problems of the chemist in building up the bodily tissues by nutrition.

This is the first of a series of luncheons to be given by the Chemical Society and as the future luncheons will be judged on the success of the first one the society hopes that a large number of students show up in north hall. The luncheons are to take the place of the customary smokers that the society has been in the habit of giving annually as it is thought that more students will be able to attend a luncheon at noon than to spend an evening at a smoker.

The lunch will have a special menu and in order to defray the expenses a slight cover charge will be made. Members will be taxed 50 cents, while non-members will pay sixty-five cents.

STAFF SERGEANT ADDED TO CORPS OF ENGINEERS

Staff Sergeant Homer J. Duncan formerly of the second district Engineers at Fort Sam Houston, Texas, joined the staff of the Engineers' unit at the Institute recently. Duncan first enlisted in the 10th Infantry in 1913, and after six years of service was discharged as Color Sergeant. He transferred to the 45th Infantry in 1920, and the following year enlisted in Company A, second Engineers, second division. In 1924 he re-enlisted and was transferred to the Institute Corps of Engineers.

Missing Notes Nearly Stop Physics Lecture

Disastrous consequences very nearly resulted Wednesday from the custom of the Physics department of issuing home problems at the lectures. The problems are usually typewritten and mimeographed and placed on the tables in the front hall, where the students take them as they enter.

Wednesday, one of the Physics professors left his typewritten notes where the problems are ordinarily left, and one of the students picked up a couple of sheets of the notes and walked toward his seat without even glancing at them. He was stopped before he had gone very far, however, and was forgiven when he explained that his motive had not been to prevent the lecture.

GIVE PSYCHOLOGY TEST TO FRESHMEN

All First Year Men Required to
Attend This Afternoon's
Examination

All freshmen will be required to take the psychology examination to be given today at 4 o'clock. The examination was arranged by the National Research Council on Education, whose examinations test the general knowledge more than do those of Professor Stone of Dartmouth, which have been used in previous years.

The results of this afternoon's examinations will be sent to the Council for comparison and compilation, while a copy is kept on file in the Dean's office. This examination forms a part of the student's regular school record.

Similar examinations have been given several times in the past but the results and any conclusions drawn from them have not been divulged, and have been regarded as confidential by the Dean's office, which has charge of the tests. The repeating of the tests indicates that some value is drawn from them however. In other institutions where results have been announced the students' scholastic record has usually borne out the judgment formed by the test.

The class will be separated into three groups to take the examination. Sections 2 to 9 will take it in room 5-330, sections 10 to 18 in room 10-250, and the remainder of the class in room 10-275.

The examination takes precedence over all other appointments and absence will not be excused except for exceptional reasons. The test will take only an hour, according to the official notice issued by the Dean's office.

TICKETS FOR DANCES ARE AT T.C.A. OFFICE

Technology men who wish to go to a dance either tonight or tomorrow night may obtain tickets from W. D. Birch '27, manager of the Social Service Division of the T. C. A. These dances are run by the Girls' City Club of Boston and the Y. W. C. A. The Girls' City Club call their dance the "Chimney Corner Dance" which is held at 8 Newbury Street. The other dance is called "The Blue Triangle" and is held at the Mechanics Building, 97 Huntington avenue.

Anyone who wishes to go to these dances must first get his ticket from the T. C. A. offices then he must pay 40 cents at the Chimney Corner dance, which is the Friday night dance, or 35 cents at "The Blue Triangle" on Saturday. The girls come separately to both dances. The director of "The Blue Triangle" dance said, "We have never been overcrowded by Tech men, but we certainly should like to have more attend the dance, as we have been impressed by those we have met in the past."

According to the reports of these dances by Tech students, the dances are very good. No one has reported an unfavorable time.

DR. LAUGE KOCH WILL GIVE GEOLOGY LECTURE

Dr. Lauge Koch, a geologist connected with the Danish government will deliver an illustrated lecture on geological exploration in northern Greenland at 8 o'clock this evening in room 4-370. The meeting is to be held under the auspices of the Boston Geological Society. There will be no admission charge. Everyone is invited to attend.

S. P. BUSH TO GIVE SECOND OF ALDRED LECTURES OF TERM

Mr. Bush Is President of The
Buckeye Steel Casting
Company

LAST LECTURE OF TERM

Will Speak on Subject of "The
Engineer in Industry"
To Seniors

Mr. S. P. Bush, President and General Manager of The Buckeye Steel Castings Company, will address Seniors and Graduates today in room 10-250 at 3 o'clock. This is the second and last lecture of the Aldred Series to be given this term. Classes in Senior and



S. P. BUSH

Graduate courses will be omitted at the hour of the talk, in order that the men may attend without missing any of their work.

The subject of the lecture will be "The Engineer in Industry" and Mr. Bush intends to point out the opportunities afforded by industry to the graduate of a technical school. He will also advise the men regarding the responsibilities placed on those who would achieve success in the industrial world. As is usually the case in most Aldred Lectures, Mr. Bush will try to avoid being technical in his talk which will be presented in a more or less intimate manner.

The lecturer is a member of a committee appointed by the National Industrial Conference Board for the purpose of determining in what respects further cooperation between engineering schools and industry can better prepare the men for future work.

Mr. Bush graduated from the Stevens Institute of Technology in 1884, and entered the employ of the Pennsylvania Railroad on its Western Lines at Logansport, Indiana, during that same year. After serving as an apprentice for five years in various departments including machine shop, foundry, locomotive firing and running, and drawing room, he became assistant engineer of motive power. The following year he became master me-

(Continued on Page 4)

RECITATION IN PHYSICS EACH WEEK REQUESTED

Members of the freshman class yesterday circulated a petition asking the Faculty to offer at least one recitation per week in the physics course to begin next term. At present only lectures and laboratory work are presented by the Department of Physics to first and second year men, and the freshmen feel that a recitation would make the physics courses easier to grasp. The petition is said to have received the signatures of most of the men concerned.

CALENDAR

Friday, December 5
3:00—Aldred lecture, room 10-250.
4:00—First year psychology examination.
8:15—Music Club's Fall Concert, main hall, Walker.
8:15—Hockey, B.U. vs. M.I.T., Arena.
Saturday, December 6
12:00—Biology lecture, room 10-411.

A Record of Continuous News Service for 43 Years



Official News Organ of the Undergraduates of Technology

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THESE CROSS WORD PUZZLES

WHEN Princeton professors advocated the addition of a course in cross word puzzles to the curriculum, and the University of Kentucky actually has added one, it begins to look as if cross words are going to graduate from a mere craze and become an institution. It is particularly interesting to us to note that at the University of Kentucky the course was added to the curriculum of the Engineering School.

Naturally such serious consideration of an innocent amusement has to be justified by supposedly learned and erudite arguments, so we have them. The Princeton professors advance two reasons for the educational value of cross words: that they are a valuable help in the study of logic, and that they are an aid in increasing one's vocabulary. The former point seems to us a bit far fetched. It is hard to see anything logical about a staid, respectable, and otherwise normal citizen wracking his brain in an attempt to guess the right words to fill those exasperating little squares. The puzzles certainly do increase one's vocabulary, but the real value of a good many of the words is somewhat doubtful. However, the vocabulary of the modern college student, particularly in engineering schools, where there is little time for liberal studies, is notoriously stunted, and anything which will help to develop it is certainly a help.

To our way of thinking, the dean of the University of Kentucky puts forward the best argument, and that is that the puzzles are good memory training, and therefore have a real educational value. A good memory is one of the most important necessities for getting the most out of a college education, and there is no doubt that the puzzles, if frequently done, do develop the memory.

Disregarding the question of the educational value of cross word puzzles, they undoubtedly have obtained a position of unchallenged popularity as a modern indoor sport. Hence and therefore, to keep up with the times, and ahead of our worthy contemporaries, and to give our readers something to do in classes besides sleep, THE TECH is going to run cross word puzzles. Send in your contributions to the Cross Word Puzzle Editor, care of THE TECH, Walker Memorial. And don't forget to give your name, and enclose stamped and addressed envelope, if you want your brain child back. The frequency of publication of these puzzles will depend on the number received, and their quality.

ANOTHER TECHNOLOGY CIRCUS

MACHINERY was set in motion at the Institute Committee meeting yesterday for a Technology Circus this year. The last circus was held the year before last, and proved highly successful. This form of all-Technology celebration is valuable as a unifying influence, gaining as it does, the interest of every class. The generally hilarious atmosphere of the circus, and the many and diverse opportunities for competition and originality have in the past proved a potent means of creating spirit.

There is only one thing about the circus which is objectionable, and that is that it is apt to be hard on the main hall of Walker. In view of the recent redecoration of the hall, it would be particularly deplorable if any harm should come to the new interior as a result of the circus. Properly conducted, the circus should not be a cause of injury to the hall, or any part of Walker.

Though the circus will not be until next term, it is not too soon to start thinking about it, and it will be just so much more interesting if the various activities and groups who are going to put on acts will begin making plans now. The circus offers unlimited possibilities for originality and wit, and we hope this year's affair will be even more productive of clever ideas than was the one two years ago.

DR. STRATTON RECOVERS RAPIDLY

THE encouraging news from the bedside of Dr. Stratton is exceedingly good news to the general student body. There has been a general expression of apprehension over his condition, and it is a relief to know that he is on the road to recovery.

THE TECH takes this opportunity to express the regrets of the student body because of the President's illness and the genuine rejoicing in his having undergone successfully the operation which was necessary. It is hoped that he will quickly and completely regain his normal health.



The Lounger learned with deep regret, not unmingled with pleasure, today that the moguls of THE TECH have at last succumbed to the general trend of the times to the extent of offering to run Cross-word puzzles (cuss-word puzzles, as the Lounger saw it printed in a headline not long since), if some brainy embryo engineer will make up a good one. That adds one a week, probably, to the number that the Lounger has to solve. The present list includes those in the Herald, Traveler Transcript, Judge, and such miscellaneous others as may come to his attention.

The Lounger sincerely hopes that T. E. N., Voo Doo, and others do not star running them, as his time is getting limited, and he does have some work to do. Whenever he sees one, he can't resist the temptation to drop everything, and solve it. There are only 24 hours a day, and then there is the time taken to make them up occasionally, and taken all together, it isn't so good.

While we are on the subject of puzzles, the Lounger admires the ambition of the man whose principal desire at present is to make up one of reasonable size, having two separate solutions, from the same set of definitions. Talk about vocabulary! Then there is the man whose further ambition is to make one up with two solutions, one a parlor solution, and the other one that is of a questionable nature, to say the least, and get it printed somewhere.

The Lounger hears that certain of our co-eds object to his statements regarding the ability of the "modern" girl to handle cooking utensils in the manner that the manufacturer's intended them to be used, and at the same time to produce, with their aid, something that can be eaten without immediate danger of death by poisoning. The Lounger stands by his guns. The "modern" girl, as the term is used, doesn't know a coffee percolator from a frying pan. However, this particular co-ed may have been a little behind the times, and still known the principal use of a kitchen stove.

The Mil. Sci. again. The Lounger really hates to have to talk about them so much, but some things that happen in that connection are too good to keep. One of our future generals was walking along the street the other day, and he met a small boy. Said small boy looked up at him admiringly for a minute, and then announced to the world at large: "Gee, you look just like a traffic cop." The Lounger has noticed the resemblance before. In fact, on one occasion, he was in a hurry, and the traffic was such that he couldn't get across the street. It was dusk, and the visibility none too good. He stepped out from the curb, emitted a loud and vigorous whistle, and held up his hand. Everything stopped, and he walked triumphantly across the street. Such are the rewards of service.

There is one point of inconsistency in the Department of Buildings and Power. They have signs up all over the campus begging, pleading, with the students to keep off the grass, whereas, in one place in front of the dorms, it is necessary to walk on the grass, in view of the way the place is laid out. There is a chain across in front of the drive, and the fence stops before it comes to the chain, leaving a space that no live American would fail to walk through, rather than go the extra distance of several feet to get over to the regular walk. But to get through the space, it is necessary to walk on the grass. Q. E. D. No, the Lounger forgot, he was not trying to prove anything. The statement requires no proof. However, let that go. The one thing that does peeve the Lounger on the matter of walking on the grass is to see the men cutting corners around the Great Court, and slowly but with great perseverance, killing the \$5,000 green there. It would be only 1.4 times as far to stick to the walk, and that is a matter of a foot and a half, assuming that the man walks four feet on the grass.

The Lounger hears that one of the

Play Directory

- BOSTON OPERA HOUSE: Anna Pavlova. COLONIAL: "Stepping Stones." Still doing their excellent stuff. COPLEY: "The Romantic Age." Reviewed in this issue. HOLLIS: "The Nervous Wreck." Nerve-racking humor. PLYMOUTH: "The Potters." Comedy in the home. ST. JAMES: "The Gold Diggers." Glorifying the American chorus girl. SELWYN: "Quarantine." Comedy, with Helen Hayes. SHUBERT: "Artists and Models." Not bad. TREMONT: "Top Hole." Musical play, with much golfish humor. WILBUR: "Moonlight." Sweet stuff.

professors in the Chem department temporarily joined the tribe of Thespis this week, taking the part of the dastardly villain who fires off blank cartridges every now and then during the show. By the professor's own admission all the good-looking flappers in the show were fighting for a chance to stand beside him during the performance, and he says that the only reason he never had his arms around more than two girls at a time was because he only had two arms. Unfortunately, the company had disbanded before the Lounger had an opportunity to apply for a position.

INITIATIONS FAVORED BY HARVARD FRESHMEN

It has become an established custom at Harvard University not to have any hazing. This year's freshman class has shown a somewhat radical vein in favoring hazing. This opinion was set forth by an overwhelming majority for the re-establishing of hazing by the members of the Harvard Freshman Discussion Club after a recent debate.

The reason for giving such a decision was that it was felt Sophomore-freshman rivalries would greatly help to unify the entering class and bring the freshmen into closer contact with each other and with their college. A minority argued that there was a danger of physical injury.

MILNE COMEDY PROVES STRANGE CONCOCTION

"The Romantic Age," a comedy in three acts by A. A. Milne at the Copley Theatre. Seven characters are in the cast, including E. E. Clive.

In this curious combination of Quixotic romance and drawing room manners Melisande Knowle, steeped in chivalric and romantic literature, makes a Twentieth Century search for "a true knight to woo her." She refuses the proposal of a modern, practicable young man, Bobby Coote; whereupon he shows his practicability by immediately soliciting the hand of her cousin, Gervase Mallory, returning from a costume dance in knightly array accidentally meets Melisande and their romantic souls revel in a rhapsody of fancy. A passing peddler, however, gives to Mallory the concept that real companionship is the art of having a meal with another person. Gervase appears later as a very commonplace and modern young man, and the disillusioned Melisande shuns him, only to be finally won over to accepting realism, and Mallory incidentally.

Those among us who are afflicted with the idealistic-pox would perhaps have some sympathy with the character of Melisande, but the rest of us who have our imagination moored to the earth cannot possibly see in her anything but an artificial pasteboard character, or else a wholly displeasing neurotic individual. The Copley Players are eminently praiseworthy but they were rather unfortunate in the selection of this comedy.

Elspeth Dudgeon as the mother of Melisande seemed most effective in acting the dispeptic, maternally ambitious old lady. The role of Mr. Clive was so short that his always splendid work was sorely missed in the remaining arid stretches. In fact all the acting and presentation was good, but such qualities will not make parchment out of pasteboard.

J. R. K.

PROFESSOR SUGGESTS CROSS WORD COURSE

The lure of the cross-word puzzle has fascinated the professors at Princeton as well as the students. Professor Warner Fite, logic professor, has offered a prize to the student who first constructs a puzzle with two complete and different solutions. Not to be outdone, Professor Robert K. Root, of the English department, has suggested that he be allowed to give a course in the vocabulary of the English language with a collection of cross-word puzzles as his text book. Professor Fite, declaring that the working out of cross-word puzzles is a most valuable exercise in logic, as well as good practice in English, heartily seconds the idea of giving a regular course for which credit would be given towards graduation.

Professor Root, in outlining his proposed course, said that "at the end of each term, a three hour test, consisting of three of the most frightful puzzles ever invented." He further said that "the possibilities are equally great for the classics or history departments. Imagine a cross-word puzzle made up entirely in Latin. Cross-word puzzles consisting of biological or chemical terms could also be used. Only mathematics can not be handled that way. Thus the perpetually bored student would find interest in his work." The professor does not say anything about the difficulties confronting the Latin and Greek professors in making out the daily assignments and final examinations. We feel for them unbounded sympathy.

The FENWAY MASS. AT BOYLSTON Bebe Daniels and Ricardo Cortez in "ARGENTINE LOVE" A Paramount Picture

PARTY & DANCE -arranged by the- Riverside College Club 2-Orchestras-2 MOREY PEARL Brunswick Record Orchestra vs. LAMBERT BROS. State Ball Room Broadcasting Orchestra TONIGHT State Theatre Ball Room

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HOCKEY TEAM MEETS B. U. TONIGHT IN ARENA

Soccer Players Lose Final Game To West Point - Score 3-1

B.U. PUCK CHASERS TO MEET BEAVERS AT ARENA TONIGHT

Both Teams Have New Coaches, So Strength of Teams Is Unknown

NEW JERSEYS FOR TEAM

P. C. Niles Appointed Temporary Captain Till a Regular One Is Elected

Tonight the varsity hockey squad will take the ice against Boston University at the Arena in the first match of the season. Both teams represent unknown quantities and all conjecture as to the outcome is guess work pure and simple. Both B. U. and Technology have new coaches this season and it will be a battle between two teams that have had only about two weeks' practice. Technology's coach, Gerald Wiggitt arrived Monday and has only been working with the team for about three days in their early morning practice.

Before the coming of Wiggitt, Flint and Taylor, former star player on the varsity several years ago, had charge of the team and under his tutelage a large squad of men worked out. The coaching which they got under Flint knocked off nearly all the early season rough edges which are always the first task of the coach to smooth off. When Wiggitt came Monday he was able to make the first cut in the squad.

About 12 men were retained for the squad and Wiggitt intends to give each a chance to show what he can do on the ice this evening. The Cardinal and Gray team has new sweaters of a cardinal color with an eight inch gray band around the waist, and each player has a number. The probable lineup of the team starting the game tonight will be r.w., Niles; l.w., Crandell; d. Moulton; r.d., Brkley; l.d., Randell and goal, Deignan.

Niles To Captain Squad
Niles was appointed temporary captain by Manager Charley Poore until the election of captain which will take place next week. Bill Berkley who is a Sophomore played formerly on Cambridge Latin where he captained the team in '22. Crandell hails from Somerville High where he also played hockey. Deignan was a close competitor of Dent Massey last year for the goal position.

Tickets for the game will be on sale in the main lobby today from 11 to 1 and Charley Poore wants to see a good turnout by the student body for the pastebards. Boston University has already bought 200 tickets and there is every indication that they are going to bring a still larger cheering section there from the uptown school to watch their team. The price of the tickets ranges from \$1.65 to 50 cents.

Following is the way the men will be numbered.

1. P. C. Niles	7. J. E. Deignan
2. B. Wiessner	8. E. J. Moulton
3. F. J. Crandell	9. R. A. Freeman
4. W. P. Berkeley	10. Gray Cunningham
5. E. J. Zubrinski	11. W. H. Moulton
6. J. E. Moulton	12. W. H. Richards

Grapplers Hold First Trials Of The Year In Gym

Heavyweight Classes Still In Need of Men for Frosh and Varsity

Wrestling proteges of Cy Burns held their first preliminary meet Wednesday afternoon in the hangar. Competition was keen in all of the classes and some good material was uncovered by both the Varsity and freshman teams. The frosh matches were held first and the Varsity meets came off directly after them.

In the frosh 125 pound class Hamill defeated Pontz, the fall being reached after 50 seconds of the period had expired. The 145 pound class found Matlage and Flynn facing each other and this match proved to be one of the most fiercely contested of the afternoon. After eight minutes of hard grappling neither man had secured a fall so referee Cy Burns called the match a draw. Volante vs. Morrill was the announcement in the 158 lb. division. After a hard fought battle the decision went to Morrill. In the 135 pound class Hoak and Shaw were the

FOURTH HANDICAP MEET WILL TAKE PLACE ON BOARDS

Chink Drew Will Make His Debut As a High Jumper in Meet Tomorrow

EVENTS HELD FOR FROSH

With the new board track and the hangar gym available for practice Doc Connors and Os Hedlund can sit back and give old man wintry weather the merry ha, ha! and tomorrow, as an indication of their determination that track work will be active throughout the year, they are going to run the fourth handicap meet of the series. Track has been growing in popularity the past weeks but the coaches want to see still more men out for the sport, if not before the exams, then at the beginning of next term. According to Johnny Field, Assistant Manager of Track, everybody concerned with the sport wants to see every locker in the house occupied by a track man.

Tomorrow's meet will be featured by the premier debut of Chink Drew, erstwhile Intercollegiate Hammer-throw champion as a high jumper. Strange as it may seem, Doc is sure that Chink will be one of the leading high-jumpers at school next spring if he keeps up in his good work. The captain made 5 feet 7 inches the other night and with some stiff workouts under Doc he may turn out to be a second Osborne. Contrary to the popular opinion that jumpers should be tall and thin men, witness the Olympian decathlon champion, Harold Osborne of the I. A. C. who not only holds the world's high jump record at 6 feet 6 inches, but went 6 feet 5 inches in an exhibition jump at the University of Illinois two years ago.

High Jump Interesting
In fact, the high jumping competition will be about the most interesting match of the day and worth watching, for there will be some keen jumping done by the winner. Forte and Browning along with Drew will be at scratch. Forte went 5 feet 6 inches in the last meet which with a handicap of one inch gave him first place over Knight and Browning jumping at scratch. Knight will have this time a handicap of one inch. Farwell, a freshman, will also jump with a handicap of an inch. Hutson, Pease, Mayoral, and Smith will jump with handicaps from three to six inches. With this field the winner will have to outdo himself to win, for there will be a big field all on a more or less even basis.

Doc also promises that the pole vault will be worth watching, and that is going a long way, because up to now the handicap meets have been more or less a private affair among the trackmen. Now it is different, and the coaches promise that anyone that likes track will get quite a kick out of watching the different events. Saturday Sanford will not jump as he is not quite in form to start jumping as yet but is out everyday getting into condition. Hallihan and Gray, two freshmen will be out, Hallihan at scratch and Gray with a handicap of one foot. Lucy will have a handicap of nine inches as he hurt his knee in practice the other day. Howard will have a handicap of 18 inches.

Dashes on Straightway
Dashes and distance runs will be run over the 12 lap board track and straightaway. The entries in these events point to better times than last Saturday for more varsity men are entering the meet than before. As yet, however, not all of the varsity runners have come out for competition and the races have been among men that are new in the sport. Os Hedlund has been developing a number of new men who are coming along quite well in their daily practices.

There will be a special event for freshmen in which ribbons will be given for the first three places. Doc Connors is anxious to get some freshmen out for this event as there is a dearth of weightmen out for this branch of the sport among the frosh. Doc is giving the ribbons himself in order to awaken some spirit and get some new men out, for he wants to develop these new men so as to provide the varsity with shot-putters next year.

Relay trials will be held December 13 and both coaches desire the men of the Field Day teams to show up more regularly at the track house for a workout. P. I. Cole who was captain of the relay in his freshman year and who ran this year on the Soph team is among these whom Doc wants to see out for the varsity; another is Gil Symonds. These two men have "the stuff" according to Doc and he does not want to lose them for the sport, as track needs every man available.

Freshman Class Expected To Win Swimming Meet

Sophs Are The Only Ones That Are Expected To Offer Opposition

With the Interclass Swimming meet taking place next Thursday, a grand total of three Seniors have signed up in the different events. They have one man entered in the breast stroke, one in the plunge and one in the dash. Every other class has at least two men entered in most of the events. The meet will take place on next Thursday, with the trial heats for the fifty yard dash taking place on Wednesday afternoon. The time of the meet on Thursday has been changed from 4:30-6 to 4-6.

Judging by the caliber and the number of entries, the meet should be a red hot fight between the Freshmen and the Sophomores. Both classes have a relay team that will create enough excitement to make it worth the while of any man that enjoys swimming to be present the day of the meet. The dives are well taken care of in the three lower classes, but so far not a single Senior has signed up for those events. The fifty yard dash is another event that should bring forth the keenest competition between the two lower classes. So far they each have five men entered in this event, the Juniors one and the Seniors none. This event and the hundred yard swim should give lovers of swimming a fine chance to see what Grover, the freshman captain, can do, as he is entered in both these events. In the trials and practice matches of the swimming team, Grover has been able to beat any man on the Varsity in these events. Taking in consideration the interest shown by the two lower classes, swimming at the Institute should take a decided rise in the next few years.

Sign Up in A. A. at Once
Any man that desires to sign up for the meet should turn his name in at the swimming desk in the A.A. office or to one of the assistants managers at the pool on Tuesday between 4:30 and 5:30. Tickets will be sold for the meet in order to defray expenses at the small charge

(Continued on Page 4)

WEST POINT WINS FROM BEAVERS IN HARD FOUGHT GAME

Slippery Field and Darkness Makes Playing Difficult For Both Teams

FINISH OF SOCCER SEASON

In the final game of the season the Technology soccer team lost to West Point by the score of 3-1. The game was characterized by good clean playing on both sides; at the end of the first half the teams were tied and bets were being placed on the Beaver booters. The field was covered with snow and very slippery, practically preventing any end runs; and towards the end of the game it became so dark that the men had difficulty in distinguishing the ball.

West Point was the first to score, sending the ball right past Cheney by a good clean shot about the middle of the first half. Soon after in a wild scramble around the Cadet's goal posts Martinez scored for the Engineers, and the game remained tied for the rest of the half. Great difficulty was experienced by both sides on account of the extremely slippery condition of the field; many times the players would fall sliding outside in an attempt to make an end run. The center of the field was the only place where it was safe to make an attempt to pass.

Dark During Second Half
By the time the second half commenced it had grown dark, adding to the difficulty of the men. West Point had a strong outside right, and after

the first 20 minutes of play an attempt to score on the Engineers was made. Cheney caught the ball, but slipped and he let go of it as he fell. The sphere was sent through by one of the Cadets scoring the second goal for West Point. The third tally to be made by the Army came about five minutes before the end of the game, and it was so dark that it was almost impossible to judge where the ball was going to land next. The game ended at five o'clock in favor of West Point by the score of 3-1.

(Continued on Page 4)

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ANNOUNCE ANNUAL MEMORIAL LECTURE

Address in Memory of Professor Sedgwick To Be Given By Harvard Man

Professor Osterhaut of Harvard University is to be the speaker at the third annual Sedgwick Lecture which will be held in Huntington Hall at 5 o'clock on January 22. "Some Fundamental Problems of Cellular Physiology" is the topic which has been chosen by the lecturer who is well known in the fields of medical and biological research.

The Sedgwick lectures are a memorial to the late Professor W. T. Sedgwick who was a member of the Department of Biology and Public Health at the Institute for more than 30 years, serving as head of the department during his last years here. After his death a memorial lectureship was established by his former associates in the field of biology and public health. The first lecture was given by Professor E. B. Wilson of Columbia two years ago. Professor Wilson has been associated with Professor Sedgwick in the authorship of a book.

Last year the series was continued and Dr. Osterhaut, who has recently been elected to a position at the Rockefeller Institute of Medical Research, will give the address this year.

LAST ALDRED LECTURE WILL BE GIVEN TODAY

(Continued from Page 1)

chanic of one of the shops and was transferred to the main shops at Columbus, Ohio.

In 1893 he was appointed superintendent of motive power of the Southwest System, and six years later held a similar position with the Chicago, Milwaukee and St. Paul Railway System.

Mr. Bush became associated with The Buckeye Malleable Iron and Coupler Company in 1901, the company being later renamed The Buckeye Steel Castings Company. He has been connected with this concern ever since, first as general manager, and later as president and general manager.

The Buckeye Steel Castings Company has done much to investigate and improve relations between the employees and the employer, and as head of the concern, Mr. Bush will probably include in his talk facts and conclusions reached by the company's officials.

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INSTITUTE UNITARIANS MEET AT UNITY HOUSE

Technology Unitarians held their first get together of the year Wednesday evening when the Technology Chapter of the Unitarian Laymen's League met in the Unity House, Park Square. Officers were elected for the ensuing year and an address was made to the members of the chapter.

R. W. Sherman '25 was elected president of the organization with Howard Humphrey '26, vice president, J. L. Spurr '27, treasurer, and R. W. Johnson '26, secretary, completing the list of officers. The speaker of the evening was Rev. B. P. Bulkley of Concord who spoke on "Optimism and Success" quoting from the works of Emerson to illustrate his points.

HARD FOUGHT GAME IS WON BY WEST POINT

(Continued on Page 3)

Bateman and Ruiz starred for the Beavers demonstrating some very pretty pass work which has always characterized the Technology players. The Engineer half back line was somewhat weakened by the absence of Arana and Sacco who were unable to make the trip. Undoubtedly the Cadet team was superior to the Beavers, who did remarkably well to hold them down as much as they did.

Grover, the freshman swimmer, is cutting through the water so fast that steam is to be seen in his wake. Most of the varsity dash men seem anchored when they come up against him.

INTERCLASS SWIMMING MEET HELD THURSDAY

(Continued from Page 1)

of twenty-five cents. These may be obtained in the lobby Tuesday, Wednesday and Thursday, from members of the team or at the A.A. office. The entries for the meet will close Tuesday evening at 6 o'clock.

This meet is a fine opportunity for any man that has any ability at all to make the swimming team. A man that wins or places second in any of the events is almost certain of making the team. All men that are out for swimming are automatically entered in the meet, but this should not prevent anyone from coming out. The greatest need is felt for Juniors and Seniors especially, if these two classes do not wish to be totally disgraced the day of the meet. Eight different events will be held which should give every class of swimmer a chance to compete. If there are only three men in the Senior class that can swim, it is about time the Institute began giving courses in swimming.

The events to be held in the order that they will take place are: Relay, Dive, 200 yd. swim, first heat of the breast stroke, final of the fifty yard dash, back stroke, first heat of the 100 yd. swim, final of the breast stroke, plunge, finals of the 100 yd. swim.

Following is the schedule of events for the Fourth Handicap Meet: 70 yard dash, 330 yard dash, 3/4 mile run, 45 yard hurdles, 12 lb. shot (frosh), 16 lb. shot, pole vault, high jump.

FIRST TRIALS HELD IN GYM BY WRESTLERS

(Continued from Page 3)

two contestants, the result in this was a decision in favor of Hoak. Cushing and Heidtmann, both 145 pounders, grappled for three minutes, at the expiration of this time Cushing secured a fall and consequently was declared the victor.

Matches Hotly Contested

All of the varsity matches were as fiercely contested as those of the frosh. Hosch got a decision over Gleason in the 135 pound class. The 158 pounders were represented by Ward and Cline in one match, and by Williams and Halliburton in another. Bill Cline noted for his ability on the barred field, was returned the victor in his match securing his fall in five minutes. Williams and Halliburton, also 158 pounders, grappled the full time, but at the end of the match Halliburton was given the verdict.

Men are badly needed in all of the heavyweight classes by both teams. The varsity team has a good outlook in the classes which are represented, but if this year's team is to be a success, it is necessary that all of the classes be represented. The freshmen have practically no representation in the heavier divisions but the lighter classes have a fairly large number of candidates.

The results of this meet are not final and Coach Cy Burns says that those who were defeated need not be discouraged because they were beaten but to come out and work all the harder for a position on the team. The teams are not picked by any means. There was not enough time Wednesday to hold all of the matches so those which were not held on that day will take place today in the hangar.



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Notices and Announcements

OFFICIAL

BIOLOGY LECTURES

Mr. W. Lyman Underwood, Special Lecturer in the Department of Biology and Public Health, will give a series of lectures on the life and habits of animals, birds, fish and plants. The lectures will be given in room 10-411 Saturday, December 6, from 12-1. The lecture will be illustrated by hand colored slides which Mr. Underwood has prepared. All interested are cordially invited to attend.

COURSE V SENIORS

Any Course V students expecting to complete requirements for B. S. degree by end of first term please consult F. G. Keyes in room 4-173.

FIRST YEAR STUDENTS

All first year students are required to be present at a psychological examination to be given at four o'clock today, December 5, 1924. The examination will take about an hour. Candidates are to report as follows: Sections 2-9 inclusive—Room 5-330. Sections 10-18 inclusive—Room 10-250.

Sections 19, 20 IV Opt. 1, and all others—Room 10-275. Attendance at this examination takes precedence over all other Institute engagements.

H. P. Talbot, Dean.

MILITARY SCIENCE

All Juniors must sign pay-roll before Dec. 10. Call at room 3-310.

ALDRED LECTURE

The second Aldred lecture will be delivered by Mr. S. P. Bush on "The Engineer in Industry" in room 10-250, today, at 3.

UNDERGRADUATE

SQUARES AND COMPASS CLUB
 The Executive Committee of Square and Compass will meet Monday in the Committee room of Walker Memorial at 5.

T. C. A. EMPLOYMENT

Due to the fact that conferences and interviews have taken so much of the Directors' time thereby preventing outside solicitation of work it becomes necessary to limit conference hours as follows:

Mondays from 2 to 5:15; Wednesdays, 2 to 3; Thursdays, 4 to 5:15; Fridays, 2 to 3; Saturdays, 11 to 1.

FALL CONCERT

Tickets may be procured from all the management at \$3.00 per couple. Public sale in main lobby from Dec. 1 to Dec. 5 from 12 to 2.

JUNIOR PROM NOMINATIONS

All nominations for members of the Junior Prom committee must be turned in at the Information Office by December 5. Signatures of five sponsors and that of nominee are required.

FINANCE COMMITTEE

Will the Treasurers of all undergraduate activities please send their names addresses and activities to room 303 Walker.

NAVAL ARCHITECTURE SOCIETY
 There will be a meeting today at 5 in room 5-420. All Seniors, Juniors, and Sophomores are invited.

DARTMOUTH CLUB

The Dartmouth Club of Technology will hold a meeting in Walker Memorial at 5:30 next Monday.

WRESTLING COMPETITION

Wrestling managerial competition is open to all freshmen. Apply to A. A. office after 5 o'clock.

MILITARY SCIENCE

Call at room 1-050 for Advance Course uniforms.

CHIMNEY CORNER AND BLUE TRIANGLE DANCES

Tickets for admission to each of these dances may be procured at the T. C. A. Office. The Chimney Corner Dance is 40 cents and is on Friday night; The Blue Triangle Dance is 35 cents and is on Saturday night.

A. I. E. E.

H. W. Ford of Stone and Webster will speak on "The Weymouth Station" and a movie, "Power," will be shown next Thursday at 8 in room 5-330. All interested are invited.

M. I. T. A. A.

Sophomores wanted for Publicity Dept. Report at A. A. office any day this week.

COMBINED MUSICAL CLUBS

Freshman candidates for the business department of the Musical Clubs may interview Messrs. Walker, Hatley, or Garen any day at 5, in the office, 310 Walker.

VARSIITY RIFLE TEAM

Practice days have been changed from Monday to Tuesday. Friday's practice will be held as usual. Candidates report either day between 2 and 5:30 o'clock.

HOCKEY

Hockey game between M. I. T. vs. B. U. at Boston Arena, today, at 8:15.

S. A. E.

Those who desire to join the Society of Automotive Engineers may get application papers signed up in the offices of Prof. Warner (5-229) and Prof. Fales, Mr. Chayne (1-131). For information see Yoshio Ogawa '25.

TECH SHOW ORCHESTRA

Will rehearse today in north hall at five.



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MIDYEAR ENTRANCE

IN order to meet the demands of college men graduating at midyears, a regular course of study starting in February has been arranged. The curriculum is the same as that for fall entrants: the requirements for the degree may be completed by February, two years after entrance. Inasmuch as the class is limited, applications should be made at once.

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