

A FRESHMAN CAN'T DO MUCH ABOUT IT AFTER ALL, SAYS DR. BURTON

ANSWERS QUESTION RAISED BY FROSH IN EVERY COLLEGE

Talk By Former Dean Burton
Yesterday Is Attended
By 250 Students

TELLS OF THE OLD DAYS

A freshman can't do much about it after all, was the answer which former Dean Alfred E. Burton made to the question, "What can a freshman do about it anyway?" He discussed this matter fully in his talk to about 250 members of the undergraduate body yesterday afternoon in Room 10-250.

Dr. Burton then went on to tell the students about the Student Government at the Institute. "The Institute has the best undergraduate control of activities of any American college. All the students should do all they can to promote the welfare of the student government, and to uphold all the decrees and laws as emphasized by the student officers," he remarked. Continuing, he then talked about the traditions of the Institute. He was associated with Technology for 40 years, and during that period of time many traditions were established. "Some of these traditions," he remarked, "will serve as a warning, others as an example. Worth-while traditions should be observed and upheld."

No Student Life in Early Days

When Dr. Burton first came to the Institute, the school was held entirely in the Rogers Building in Boston. It was a very small college and for many years there was no student life at the school. After a long period of time the students began to form the various activities. THE TECH was the first, soon followed by minstrel shows and Class Day programs. Finally sports were started: football, track, and tug-of-war teams were formed, and the students entered wholeheartedly into all the activities. Then the student governing bodies were formed and the Institute expanded.

Much of the social life at a college is due to the fraternities and dormitories. Fraternities were organized with the idea that they should contain all classes, and so were the dormitories, which were built at the Institute with the upperclassmen in charge. The fraternities and dormitories are not ruled by the faculty but are governed by the students themselves.

"I believe it would be a great mistake to have any one class in a building ruled by the faculty," said Dr. Burton. "I believe that it is a greater benefit for members of all classes to be together, and to be governing themselves. Self-responsibility is developed in the student and every student should consider it an honor to belong to a committee elected by the student body. The experience gained in activities is as important as any other thing gained at the Institute. I want the Institute to always stand at the head of student government colleges, and I want every student to try to be a part, a real helping part of the undergraduate life of Technology."

T. C. A. STILL SHORT \$600—ASKS PAYMENT

Requests for payment of subscriptions pledged to the Technology Christian Association are being made by mail. In the drive for \$3100 conducted some eight weeks ago pledges were secured amounting to over \$2000, and of that amount less than \$1500 has been paid.

It is necessary that the remaining pledges be paid very shortly in order that the T. C. A. may continue its work. The Association announces that 154 subscriptions have yet to be met, and is soliciting prompt payment.

Students wishing to make payment of their pledges may do so at either office in Walker at any time and on any day.

Technique Calls For Informal Snapshots

A call for informal photographs has been sounded by the 1928 "Technique" for its usual "Informals" section in the year book. Pictures are wanted of faculty, student body, and personages well known around the Institute in unofficial poses. Although the management would like to have them as soon as possible, they will be accepted up until the Christmas vacation.

There are still a large number of Seniors who have not made appointments for sittings for having their pictures taken, and it is very possible that many of these will be left out of the Senior Portfolio Section. The management also states that Seniors should send back the proofs of their pictures to the photographer as soon as possible.

HIMOE HAS CLOSE SHAVE IN ARCTIC

Institute Student Who Went
With MacMillan Is Almost
Frozen to Death

Clifford E. Himoe '30, who is in the Arctic Circle as radio operator of the Bowdoin, Donald MacMillan's arctic schooner, was barely saved from being frozen to death on Monday. Himoe and an associate, Frank Henderson, of Provincetown, were stranded on a desert island when attempting to get to the party's radio station in order to communicate between their isolated shacks and the outside world.

MacMillan's expedition is wintering at Anatalok Bay in northern Labrador. The Bowdoin, which carries the radio equipment, has been deserted for three shacks which have been built ashore. The ship lies at anchor in the Bay more than a mile from shore, and daily, Himoe, the radio operator, must traverse the icy bay in a dory to maintain scheduled communication with the outside world.

Monday there was a fierce northeast gale lashing the water of the bay. Himoe as usual, accompanied by Henderson, set out for the schooner in a dory. The small boat was thrown about by the heavy sea and battered by the ice floes. Despite their efforts, Himoe and Henderson were unable to maintain control of it.

The wind caught the dory and swept it past the Bowdoin in the direction of the open sea. The only hope for the men to save themselves was Dog Island, a small wave-swept island which stood between them and the outer sea. By a final desperate effort they managed to head the dory onto the rocks. As the boat crashed and broke to splinters the two men jumped ashore.

With no shelter the two remained on the island all day, their clothing frozen, and the rain drenching them continually. Toward evening the storm subsided and they were rescued, exhausted, and almost frozen. Commander MacMillan had missed the men and had searched the bay for some time before locating them.

Himoe was on duty again today. He reported that ice was fast forming on the surface of the bay and that he might be prevented from reaching the radio station on board the Bowdoin for several days. He is a member of Course VI at the Institute and has been in the arctic with MacMillan's expedition since June.

FRESHMAN LEADERS PLAN CLASS SMOKER

Further arrangements were made for the freshman smoker to be held within the next two or three weeks at a meeting of the officers and section-leaders of the freshman class held on Wednesday afternoon. Robert B. Freeman, newly-elected freshman class president, appointed the Smoker Committee of which Tinsby Rucker had previously been chairman. The Committee is now working on the formation of a program for the smoker.

H. B. DEAN RESIGNS GOVERNING BODY'S VICE - PRESIDENCY

E. F. Cellette Succeeds Dean as
Elections Committee
Chairman

ILL HEALTH FORCED MOVE

Henry B. Dean '28, has resigned from his office of Vice-President of the Institute Committee because of ill health. His resignation was tendered at the regular meeting of the Institute Committee last night, and was accepted with regrets. Dean has been forced to drop out of all other undergraduate activities as well as the Institute governing body.

As a consequence of his resignation, Dean gives up his post as chairman of the Freshman Rules Committee, and also as chairman of the Elections Committee. Following his recommendation, the Institute Committee appointed Edwin F. Cellette '28, to succeed Dean as chairman of the Elections Committee.

Ever since his entrance into the Institute in 1924, Dean has been prominent in student affairs. During his first two years he was president of his class, and played on class football teams in the Field Day encounters. Last year he served on the Institute Committee, and again played football with his class, in a team known as the "Beavers." In addition he was a member of the Junior Prom Committee, and was a member of the Walker Club and the Beaver Club, of which he had been president.

Cellette's undergraduate activities have been varied between sports and the management of the financial affairs of the Combined Musical Clubs. He was treasurer of the Musical Clubs last year and was a member of the freshman track team in his initial year at the Institute. He is a member of Beaver and Baton.

COURSE VI WILL HOLD COLLOQUIA

Discussions Open to Seniors,
Graduates, and Junior
Honor Students

A series of three colloquia by members of the technical staff of the Westinghouse Electric and Manufacturing Company on "Scientific Aspects of Design Problems in Large Electric Power Apparatus," has just been announced by the Electrical Engineering Department. The first will be held in Room 10-275 from 3 until 5 o'clock on Monday and Tuesday, by Mr. C. Richard Soderberg, when the discussion will be on, "Mechanical Problems."

These colloquia are open to all Seniors, graduate students, and members of the Junior honor group. The discussions will last two days, and students are urged to attend both sessions. The colloquium leaders desire that students interrupt their talk at any time with any questions they may have, and it is expected that several lively discussions will occur during the talks.

Two other lectures will be held at (Continued on page 4)

ALDRED LECTURES START ON DECEMBER 16; CHARLES M. SCHWAB ONE OF SPEAKERS

Will Deliver Lecture
In New Aldred Series



Charles M. Schwab

RESUME WORK ON TECH SONG BOOK

Will Contain Only Technology
Songs, Rules Institute
Committee

Work on the Technology song book will be resumed again as soon as possible by a committee consisting of John A. Russell '28, Leonard C. Peskin '29 and Robert G. Parker '28, appointed by the Institute Committee yesterday afternoon. It is hoped that the book will be completely planned before the beginning of the second term.

Contrary to the original plan of the book, the Institute Committee has decided that it shall contain nothing but songs relating to M. I. T., including pieces written in the prize song competition, and some of the more popular this of the recent Tech Shows. Formerly the book was planned to contain in addition several of the best known college songs. These have had to be omitted due to the large expense they would incur.

According to the present plans, it will be possible to sell the book to the students at a rate sufficiently low to make it popular. This song book is expected to be a valuable asset in assuring the success of the various smokers and other social affairs at the Institute.

The appointment of the following men to the Walker Memorial Committee was approved: Eric A. Bianchi '29 and Herman P. Meissner '29, reappointed; Robert P. Crowell '30, J. A. Dixon Rapp '30, Thomas W. Rosborough '31 and Harrison A. Von Urf '30, newly appointed.

'FUTURE OF YOUNG ENGINEER' SUBJECT OF FIRST ADDRESS

John F. Stevens, President of
American Society of Civil
Engineers, Is Opener

SERIES FOUNDED IN 1923

Many nationally-known men have definitely promised to speak in this year's series of Aldred Lectures, according to Professor Albion R. Wood '21, who has charge of the present series. Probably the best known of them all is Charles M. Schwab, formerly president of the United States Steel Corporation.

The series will start this year on December 16, when Mr. John F. Stevens of New York, will talk on "The Future of the Young Engineer." Mr. Stevens is president of the American Society of Civil Engineers. Mr. William E. Nickerson '76, a director of the Gillette Safety Razor Company, will be the second speaker, delivering his address on January 6.

The Other Speakers

On January 20, Charles M. Schwab will be the speaker, and Mr. Robert Ridgway, Chief Engineer of the Board of Transit of New York City, will be at the Institute on February 17. Newcomb Carlton, president of the Western Union Telegraph Company will also speak during the series, but the date is still undecided. The last speaker will be Dr. Arthur D. Little '85, president of the A. D. Little Corporation, a chemical research concern.

All the lectures are on Friday at 3 o'clock, and are arranged especially for Seniors, graduate students, and members of the instructing staff. Classes which would be held at the (Continued on Page 4)

STUDENTS MAY WIN MONEY AND MEDAL

James Means Prize Founded
As Annual Award For
Aero Essay

Technology undergraduates interested in aeronautics now have the opportunity of competing for a prize, known as the James Means Prize, which will be awarded annually to the student submitting the best original essay on aeronautical subjects.

The prize will consist of a sum of money which will partly defray the expenses of graduate study in aeronautical engineering, the amount of the award being varied at the discretion of the committee in charge of the prize. In addition, a medal will be given the winner.

Money for this prize will come from the income of the recently established James Means Prize Fund, which was founded by Dr. James H. Means in memory of his father, the late James Means of Boston, who was a pioneer in aeronautical investigation in New England.

Administration of the prize will be in charge of a committee of three, one member of which will be Dr. James H. Means or someone appointed by him. The other two members will be selected from the Aeronautical Engineering faculty by the President of Technology. Complete rules will be posted by the committee in the near future, subject to change at their discretion. The closing date for the first award will be between February 1 and April 1, the definite date to be announced later.

CALENDAR

Friday, December 2
6:00—Electrical Engineering Society Supper in Room 1-345.
6:45—Electrical Engineering Society Meeting, Room 5-330.
Saturday, December 3
8:00—Technology vs. New Bedford Basketball Game in Hangar Gym.

Corporation Arranges Musical Treat For Students; Whiting to Give Concert

First Recital Scheduled For
Tuesday With Program
Of Bach's Music

Technology men will be the recipients of a musical treat in the form of a concert given by Mr. Arthur Whiting in Room 10-250 on Tuesday evening at 8:15 o'clock. This will be the first of the third series of Whiting Concerts which have been planned by the Corporation for the benefit of those who appreciate music and education along such lines, but who have had little or no technical training in music.

The selections which will be rendered at the recital have been chosen entirely from the compositions of Johann Sebastian Bach, the famous composer of the early sixteenth century. In these numbers, Mr. Whiting will play the harpsichord, and will be as-

sisted by five other first class musicians. The accompanying artists are Mr. George Barrere, flutist, Mr. Michael de Stefano, first violinist, Mr. Walter Edelstein, second violinist, Mr. Mitja Stillman, who plays the viola, and Mr. Alberico Guidi, on the violoncello.

As was the custom in the last two years, Mr. Whiting will give a short informal talk explaining the music of the evening, and its appreciation. He has become widely recognized as an authority in the field of educational music owing to the fact that although this is only the third year of the series at Technology, his concerts are now in their twenty-first season at Harvard, Yale and Princeton.

All students at Technology, and in addition the members of the Corporation, the officers and staff and their families are invited to attend these concerts. The second of the series will be given on Tuesday, January 17, at the same hour of the evening.

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Official News Organ of the Undergraduates of M. I. T.

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HALLIBURTON TO THE RESCUE

AT TIMES one comes near being discouraged with life, especially after reading one of the diurnal diatribes against the college student. At last a most encouraging feature has come to light in the person of Richard Halliburton.

There may be some who do not know Richard Halliburton—some who are unacquainted with "The Royal Road to Romance" or "The Glorious Adventure"; so it may not be out of place to say a word by way of introduction.

Richard Halliburton was graduated from Princeton University a few years ago; and after receiving his sheepskin, set out in search of Romance—Romance which had ever been beckoning to him. His search led him far afield, and with great success. The incidents of that trip, on which he encircled the globe, furnish the material for his first book, "The Royal Road to Romance."

Since that first book appeared a second has come, "The Glorious Adventure," and these books together have held a high place in non-fiction popularity.

Last Sunday evening, Boston had the privilege of hearing this world-traveler—this traveler with the eyes of an artist, and the tongue of a poet. Never within our recollection has an audience been more entranced by a speaker. He spoke rapidly, but ever-distinctly, and punctuated his sentences with expression and fervor. Not a single person in Symphony Hall missed a single word.

Halliburton confined himself to just a few incidents of his trips; but these incidents were told in a way that magnified their interest and heightened their charm. Each incident was a drama in miniature—the rapidly appearing word pictures leading ever on and up, to the climax—the denouement—then a hush followed by waves of applause. Such is the power of Richard Halliburton, a product of the college of the present day; and truly a product of which we may all feel proud. When the educational system of the day can produce a man such as Halliburton, a man who is without a doubt one of the most popular lecturers in the country today, then there must be much to be admired in our collegiate institutions.

WHO IS TO BLAME FOR "THE COLLEGE MOVIE"

THE undergraduates of Princeton University have sent pleas to Hollywood concerning the recent college pictures which have been produced by that colony. They express themselves as wanting true college life in the movies or nothing at all. The so called college films from their very initiation have cast false shadows on the students of American Colleges. Pictures of wild football games, stories of drugging heroes of crew races, and dark college dances do not place the college undergraduates in a very favorable light, especially if they happen to be shown in old and stern Europe. Unquestionably, motion picture producers are depicting American college life in the same way that they have popularized the cowboy.

But what of all this wrangling—was it not a conspicuous American educator who first wrote a light frivolous book on college life? Was he not the man who although having good knowledge of student life, placed in the hands of the public such an absurd work and directly invited the movie magnates to elaborate on his already highly magnified gay life of the undergraduates. Furthermore, is not there a widely circulated publication which delights in publishing all this "college stuff" and strange enough, most of it is written by college men and women.

How can one then place all the responsibility for these absurd pictures on the producers. In any case they do not pretend to be presenting a story of life that is true, nor do the theatre goers take it for that. They are giving the public what it desires and as long as college pictures continue to be rearing successes they will produce them in gross lots. Hollywood cannot be blamed for the eccentricities of public taste.

YALE SO GRATEFUL TO HARVARD HOSTS

Claims Cambridge Helots Are "Charming Bevy Of Wastrels"

What Yale thinks of Harvard may perhaps be read in between the lines of this toast which appeared in a recent issue of the Yale Alumni Weekly:

"A Toast To John Harvard"

"Such of us" as departed for Cambridge last week-end with the prepossession that it is a fastness of solemn serenity and serious sobriety returned in another persuasion. Our ancient rivals opened their hearts and larders to us in no uncertain fashion. It is a great place. The traditional intellectuality of Harvard seems to have reached that point in its life cycle which is best characterized by the cant term of decadent. They are over the peak. Their manners and personal graces are those of the Restoration, their collective temperament a shade in the direction of Baudelaire. A more charming bevy of wastrels is not to be found, or a more hospitable. Many interesting points of contrast between them and us are immediately apparent. Impervious to the depressing influences of democracy, the Cambridge helots are obsequious. In New Haven one is often on the same terms with one's janitor as with one's roommate. But the Harvard man never sees his janitor, save when he comes home in the morning and glimpses him at work on his shoes.

Dance Almost Suicidal

"And these Harvard clubs are comparable to nothing. Not in New Haven, for example, could occur a royster such as that staged at the Hoosic-Whiskick Club by the Dolphins, an order so secret, we are told, that the very members themselves do not know the members' names. Out of pure gratitude be it said that all Yale was there in a body; in such numbers, in fact, that to cross the floor was a suicidal undertaking. Only at a Harvard party can one behold girls who are known to one's family shining in an atmosphere at once Rabelaisian and refined, overlooking the form and enjoying the substance of the spirit of revelry rampant.

"Where are there such hosts as at Harvard? Where indeed? Harvard men are charming. They cannot be said to aim at, for they essentially are, good form. They have raised the genial practices of hedonism to the point of polished art. Half of them for instance, would no more think of studying without a glass and bottle at hand than the other half would of studying under any circumstances. They have the happy faculty of taking nothing seriously, least of all football; a virus of which Yale might do well to absorb a little. For intrinsic vigor and communal health we must cede ourselves the palm; Eli is in his prime, and John, some years older, has passed his. But his decline has something of the splendor of Imperial Rome."—Yale Alumni Weekly.

Is originality a virtue or not? Joseph Bryan III, a Princeton graduate of the class of 1927, takes the negative side of the question. It seems that the cause for his rather biased opinion is a strongly personal one. He was elected while at college as being the most original member of his entire class, but his originality has carried him a bit too far, for word has just come from Russia that he is in jail there, and desires very strongly that someone find a way to get him out.

As We Like It

PEGGY-ANN

There are three types of musical comedy: the regular type, the operetta type, and Helen Ford's own variety. Those who like musical comedy but desire a change from the standard types will find Peggy-Ann at the Wilbur Theatre quite refreshing.

Helen Ford heads the cast as Peggy-Ann whose chief occupation is doing dishes and the rest of the drudgery at Mrs. Barnes' boarding house. She is beginning to tire of being engaged after three years of it with marriage still in the indefinite future for financial reasons. The night before her husband-to-be leaves for New York to seek his fortune, they quarrel and soon afterwards she falls asleep and dreams of all sorts of weird adventures in trying to get married. These dreams form the principle part of the performance.

Although there are no outstanding song hits to the show, the music is all of high calibre and it is very well sung. Besides being the outstanding actress of the piece, Helen Ford has the distinction of being about the only member of the cast and chorus who is not noticeably tall; she is quite short. The play is filled with humor which keeps the audience laughing almost continually. Although the dancing is not exceptional, it is more than made up for by the excellent acting, singing, and appearance of the cast and chorus.

H. T. G.

MY MARYLAND

"My Maryland" is a musical show of decidedly unusual merit. It is outstanding enough to be classed with such masterful productions as "Rose Marie" and "The Student Prince." The production takes its theme from incidents which happened during the Civil War and as a result it might easily be called a martial operetta. One leaves the Shubert Theatre with the melodies of the show's song hits on his lips and that is usually the sign of an outstanding presentation.

The cast and chorus have been very fortunately chosen both from the point of view of stage appearance and acting

ability. The difficult part of Barbara Fritchie is played by Olga Cook and the audience stops the show time and time again to applaud her. She is supported by Alexander Callam playing the roll of Captain Trumbull of the Union Army. Mr. Callam also deserves a great deal of praise for his soldierly carriage and complete poise. He is in love with Barbara, a southern girl, and we compliment him for his ability to make a love scene appear quite convincing.

"My Maryland" comes nearer to being called a production without a flaw than anything we have seen in Boston for a number of years. We recommend it without reservation.

G. I. C.

A DOLL'S HOUSE

Even though Ibsen's "A Doll's House," presented this week at the Repertory Theatre, is over a half century old, it still is dramatically effective and at times even humorous. Although the issue that Ibsen presents is now dead, it is surprising to realize that back in the stern Eighties a man should suppose that some day women would assert their independence. Since most of us have long ago lost all interest in talk of this new freedom of women, it is well that the Repertory company have placed little stress on the issue of the play and instead brought forth the beauties and conventionalities of the day with what little humor Ibsen supplied.

Mr. Jewett could not have done better when he chose Kathrine Warren to play Nora Helmer. She was virtually cut-out for the part. It seems as if she did not have to act, it was a natural role that she was playing.

It would be unfair to close without commenting on the truly quaint costumes which were worn by the company. After living with these people back in 1880 for a few hours, with their beautiful dress, the styles of the present day seem harsh, cold, and expressionless. In the presentation of the happy home life and conventionalities of the Eighties the company has excelled.

E. L. W.

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HOOPSTERS WILL MEET NEW BEDFORD

Powerful Cardinal and Gray Wrestlers Are Primed for First Match

Beaver Quintet Favored To Trounce Opponents in Opening Game in Hangar

Opening their season tomorrow night, the Engineer basketball team will meet the New Bedford Textile five in the Hangar gym at eight o'clock. Coach Henry P. McCarthy, who is in charge of varsity basketball, has been drilling a squad of some twenty-odd candidates during the past six weeks. The roster for the present season includes three veterans from last year's team with a fourth possibility. Norman C. Estes '28 is captain of the present team who will take the floor against the New Bedford opponents. Estes will be one of the guards to start, while Carlton Allen and Bernard Brockelman, forwards of last year's team, will probably be back in their old point-getting positions.

One problem that confronts Coach McCarthy is the choice of a center for the opening game. Norman McClintock, center of last year's team, is not yet in harness, and for tomorrow night's game some other alternative will be taken to fill in the pivot position. McClintock has just completed a strenuous cross country season and is taking a few days' rest before reporting for basketball.

Either Allen or Brockelman may be shifted from forward to center as each

ELECT M'CLINTOCK HARRIER CAPTAIN

Star Hill and Daler Elected Leader of 1928 Cross Country Team

Norm McClintock, star cross country runner of the Cardinal and Gray was chosen to lead the 1928 harrier team at the election held early yesterday morning. He is the second Reading lad in the last four years to captain an Institute harrier team. In 1925 Bill Rooney, also from Reading, was the leader. McClintock succeeds Pete Kirwin who has completed his three years of varsity participation in this sport.

The new leader is a Junior and has been out for cross country since his first week as a freshman. Throughout this time he has been a mainstay of the squad and his individual running has done much towards helping the Engineers along the path of victory. Before coming to the Institute he competed in several sports at Reading High but until he entered here he had never been on a track team.

In his freshman year McClintock proved to be a find for Coach Oscar Hedlund and came through the season with only one defeat chalked up against him and that was at the National Intercollegiate at New York where he finished second. He had led the field in every dual meet and won the New England Intercollegiate freshman race.

Last year, running for the first time with the Varsity he quickly earned a regular position on the team. Before the season had ended he proved himself to be one of the best men on the squad. He finished second in the New England and tenth at the National Intercollegiate. This fall he started off at a slower pace, not reaching top form until the Tufts meet where he led the field. He finished fourth in the New England and thirteenth at Van Cortland Park.

From all indications he should captain one of the strongest Cardinal and Gray hill and dale teams in recent years. Only three men, Pete Kirwin, Holmes, and Dick, will be unavailable for next year. The veterans will include Leon Thorsen, Chuck Worthen, Newell Mitchell, as well as Dick Baltzer, captain of this year's frosh. In addition to competing in cross country McClintock has been a regular two miler on the Varsity track as well as one of the outstanding players on the basketball team.

ENGINEER GRAPPLERS OPEN WITH NEWTON Y

After nearly two months of practice Coach Bud Greene's wrestlers are ready for battle. The Engineers pit their strength against that of the Newton Y. M. C. A. tomorrow evening at the Hangar Gym in what promises to be a real meet. It will be the first match of the year for the Cardinal and Gray but the Newton aggregation have one match, that with the Massachusetts School of Osteopathy, already to their credit.

Technology appears to have one of the best teams they have had in recent years. Captain Jimmy Cullen in the 125-pound class is one of the most consistent members of the squad. He has been on the Varsity team for the last two years and from all reports should make this his banner season. An injured shoulder has prevented any strenuous work on his part during the last few days, but it is thought that he will be in trim for tomorrow's match.

Johnny Burke's return to the squad should prove a large factor in the success of the Engineers. He did not wrestle last year but in 1926 won the championship in the heavyweight class. Although he did not work out with the Beavers last year he did compete in several outside amateur events. He was runner-up for the 175-pound and heavyweight title in the New England amateur championships.

Two promising members of last year's frosh outfit, Canter and Cooper, have been showing to advantage this fall. The former is competing in the 115-pound class since Cullen went to the 125's and Coach Greene has been well satisfied with his work. Cooper was captain of the frosh team and is in the 135 class.

Through a special arrangement with the Newton team there will be two matches in the 145-pound event. There are two of the Engineers competing for this position, Gentile and Der Marderosian, and the fact that they will both compete should give Coach Greene a fair indication of their abilities. Der Marderosian was a member of last year's Varsity and Gentile is a transfer from Rensselaer Tech.

Mattledge, also a veteran, will compete in the 160's while Burke is scheduled to perform the iron man stunt of grappling in both the 175 and unlimited classes. He has done this successfully before and it is hoped that he will repeat tomorrow. Taking everything into consideration, the Engineers should defeat the Newton team.

There are two more matches scheduled for the Cardinal and Gray before the Christmas holidays, one with the Boston and one with the Cambridge Y. M. C. A. These outside meets should put the men in the best of condition for their regular college schedule which opens on January 20 with Tufts.

Two Harvard graduates, J. L. Peters '13 and Edward Bangs '21, are going to the Corn Islands to study the native bird life. Because of the fact that the islands lie out of the usual steamer lanes, an agreement had to be made with the United Fruit Co. to leave them there on one of their trips. The islands are inhabited by a missionary and a few natives. Bird life there has never before been studied.

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had a crack at this position two years ago when they were teammates on the 1929 freshman team. In any event this does happen, the other forward position will probably be held down by Johnny Reynders, and George Mock, a first string substitute of last season's Varsity. Reynders appears to be the best of the several forward candidates and his experience with the team last year should make him a suitable candidate for the vacant point seeking position.

The remaining position to be filled is a hard thing to decide, due to the keenness of the competition. Coach McCarthy will probably give every man a chance to show himself up in the first game. Among the promising aspirants for a regular first team position are Spahr, and Lawson of last year's freshman team, Johnson and Green are showing up well in practice and will be given a chance to play.

Coach McCarthy in presenting his 1927-28 team tomorrow night will make an effort to surpass the fine record of last season when out of fourteen games played the Cardinal and Gray team scored victories in ten. During the next two weeks the Engineers will meet two of their stiffest opponents of the season in Brown on December 9, and Dartmouth on December 16.

Intercollegiates

Thomas McCarter, a graduate of Princeton in the class of '88, has attended all of the Princeton-Yale games but three. He began to attend the games six years before he entered the university and has not missed a game since—a record of continuous interest for 48 years.

As a result of a contract between Harvard University and the Pathe Exchange, Inc., of New York, Harvard will prepare a series of educational pictures. A film on Anthropology is the only one specifically mentioned in the contract, but it is understood that others will be prepared.

Professor H. J. Davis of the University of Toronto, in a criticism of the prevailing illiteracy of college students, estimates that the average vocabulary of the ordinary man consists of 4000 words, whereas that of the freshman at college is but 3000.

There are 235 foreign students at Technology. Students came from 52 foreign countries, while China with 42 men heads the list. The next five countries, in order of numbers, are: Canada, 28; Russia, 18; Mexico, 14; England, 10; Colombia, Germany and Turkey each have 7 students.

Squash Club and Harvard Frosh to Meet in Contest

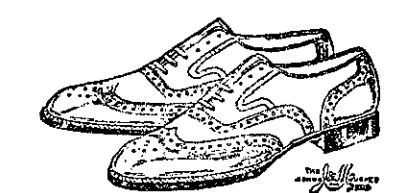
Institute Men Play In Class C League of Mass. Squash Association

Tomorrow the newly organized Squash Club will play its first match when it meets the Harvard freshman team. The new club is not an official representative of the Institute, but it is hoped that it will be recognized as such in a few years. The club has been admitted to the Massachusetts Squash Association and is scheduled to play ten matches in the class C series.

As yet there is no coach for the Squash Club team, but several men near Boston are being considered and it is possible that with the aid of the advisory council an instructor may be secured for this year.

Twenty-eight men have entered the squash tournament, which has now reached the second round. The team will be selected largely on the results of this tournament. However, as only a few matches have been played so far, Manager Ridley will select the men to compete against the Harvard freshmen. John Hartz, Henry Janes, John Leslie, Albert Puschin, Walter Ridley and Frederic Riley are the men from whom the team will probably be chosen.

The eight new squash courts in back of the track house have been very popular this year. No matter what the weather it is possible to play all through the winter months. In addition the courts can be used any time during the day, so that late classes do not interfere. Students are not the only ones who enjoy the use of the courts, for many of the instructors play squash for recreation. Oscar Hedlund, track coach, and Henry McCarthy, basketball mentor, keep in trim with daily sessions on the courts.



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Institute Power Plant Is Model of Efficiency in Design and Operation

COURSE VI WILL HOLD SERIES OF COLLOQUIA

(Continued from Page 1) intervals of one week, the next one coming on December 12 and 13, when Mr. R. W. Owens will talk on, "Commutation Problems." A week later, Dr. J. Slepian will talk on, "Switching Problems." Thus the colloquia will cover all the problems that arise in connection with large power plants. Separate notices will be posted on the Institute bulletin boards for each colloquium, giving an outline of the subject matter to be covered in the course of the talk, and also references.

TO SHOW MOVIES OF LARGEST COPPER MINE

Mr. William B. D. Motter '05, personnel manager of the Chile Exploration Company, will speak at a meeting of the Committee on Securing Promising Students, at three o'clock this afternoon. Mr. Motter will speak to the Committee on the present educational conditions in Chile.

In Room 4-370 at five o'clock this afternoon he will exhibit a unique set of moving pictures showing the underground processes in copper mining at the Chuquicamata Mine, the largest copper mine the world. All undergraduates and faculty are invited to view these pictures.

Has Capacity Output of 1310 Horse-power—Burns 70 Tons of Coal Daily

Efficiency of operation at all loads is one of the outstanding features of the Technology power plant. The demands on the plant vary from the light loads during week-ends, and in the summer to the capacity output required to furnish heat, light and power to the Institute buildings during the winter.

The power house is equipped with three 520-horsepower and one 270-horsepower boilers, and one direct and three alternating current generators directly connected to steam turbines. The boilers are each equipped with a Riley self-dumping stoker. Two of the large boilers and the small boiler are used when a maximum output is required, and consume between 65 and 70 tons of coal per day. A minimum load requires the use of only one of the large boilers.

Boilers Fed Automatically
These boilers are automatically fed by a travelling larry holding two tons, which is moved along the front of the boilers and fills each stoker bunker. The coal at the bottom of the bunker is fed to the retort by plungers on front of the stoker operated by a motor.

By means of specially-designed grates and an overfeed air pressure, which can be regulated so that excess air is prevented from blowing through the partially burned and more porous part of the fuel bed, practically all of the combustible matter in the coal is completely burned up.

Although the plant is equipped with a railroad siding, all of the coal used is received in truck deliveries. This method of delivery has been found more satisfactory because of the ease of handling, since direct dumpings can be made from the truck to the pit. The trucks dump the coal directly into the pit outside the boiler house and from there it flows to a Stephens-Adamson roll crusher. After being crushed, the coal is conveyed to the bunker on top of the boiler house by a bucket conveyor, from which it is fed to the travelling larry below. The bunker has a capacity of 300 tons and is kept well filled at all times, since the coal after reaching the bunker has an opportunity to dry somewhat, and this increases the efficiency of operation a great deal.

Use High Grade Coal
Although the stokers will burn any grade of coal by the adjustment of the travel of the grates, it has been found that the greatest efficiency is obtained by using only the highest grade of coal. For this reason when making contracts for the year's supply, samples from various dealers are carefully tested. This year's contract involving 12,000 tons was awarded to the Stetson Coal Company, whose Caperton's New River coal stood the tests better than any other kind and could not be likened.

The analyses of the coals were made in the laboratories of the Institute and the coal decided upon showed a moisture content of 1.14 per cent, ash 4.39 per cent, volatile matter 19.69 per cent, carbon 74.78 per cent, and sulphur 0.29 per cent. Coal showing such a high analysis is much more expensive than other very good coals, but officials of the plant have found that the use of this grade is far more economical in the long run.

ALDRED LECTURES TO START DEC. 16

Series Was Started Four Years Ago to Give Young Engineer View of Practical Work

(Continued from page 1) time of the lectures will be excused in order to allow these students to attend them. Others have been permitted to attend in the past, if there were vacant seats available.

This series of lectures was founded in November, 1923, by John E. Aldred, a prominent industrial engineer. During his work in various fields of industry he found that many of the younger engineers often became confused when attempting to link their theoretical knowledge with the practical problem they had at hand.

Series Covers Five Years
In an attempt to remedy this situation, Mr. Aldred introduced this series of lectures, planned to cover five years, with either five or six lectures given each year. Prominent men in engineering, industry, and business are secured to give the student who is about to graduate some idea of conditions he will meet when he leaves school.

Gerard Swope '95, president of the General Electric Company, delivered the first talk of the series, and prominent men in all lines of business have spoken on varied subjects since then. Professor Vannevar Bush '18, has been in active charge of securing speakers for the lectures since its initiation, and he worked on this year's group until recently, when he left for a business trip to Europe. Prof. Wood is taking charge during Prof. Bush's absence.

FRESHMAN WRESTLING.
Candidates are needed on the freshman wrestling team in the 175 pound and unlimited classes. Those interested should report to Coach Green in the Hangar Gym any Monday, Wednesday, or Friday, between 4 and 6 o'clock in the afternoon.

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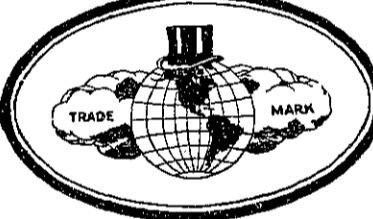
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NOTICES

SWIMMING

All students who desire to compete in the Interclass Swimming Meet must fill out eligibility cards and secure certificate of medical examination immediately, if they have not already done so. Failure to comply with these demands will bar the competitor from the meet. The entire student body, including transfers, is allowed to enter. Eligibility cards may be secured at swimming practice Monday, Wednesday and Friday at the University Club pool, or at the office of the M. I. T. A. A.

TYPEWRITER PURCHASER

Will the man who purchased the typewriter belonging to Mr. Wu through the T. C. A. Book Exchange, please call immediately at the Front Office of the T. C. A. in Walker?

FRESHMAN OFFICERS' MEETING

A meeting of the officers of the freshman class will be held in Room 4-138 on Monday at 5 P. M. All officers are urged to be present at this meeting.

FRESHMEN FOR GYM MANAGERS

Any freshmen interested in coming out for manager of the Gym Team should apply in Walker Gym any night between 5 and 6 o'clock.

POLITICAL ECONOMY Ec, 31

The hour test in Political Economy, Ec 31 will come on Monday, Dec. 5.

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