

## DR. STRATTON TO ADVISE FRESHMEN ON CAREER CHOICE

President Advises More Talks For All Classes By Men Outside School

### TALK IS THIRD OF SERIES

E. J. Deane '28 Urges All Men In Class To Attend The Lecture Series

"I believe that the students ought to be given opportunity to hear more lectures along the line of the weekly lectures for freshmen, and of the Aldred lectures," said President S. W. Stratton, in discussing the lecture which he is to deliver to the freshman class tomorrow. "Lectures such as these help the student to accustom himself to his surroundings, and to get along better."

Dr. Stratton's talk tomorrow will deal with the choosing of a branch of endeavor although it has not yet been announced just what it would cover. It is the third of a series of talks for freshmen, the first and second having been given by Dean H. P. Talbot '85, and J. P. Munroe '82, secretary of the corporation, respectively.

"Previous to this year, there was little attempt made to help the freshmen to orient themselves," said the president. "A great deal of attention was devoted to the student along about time for graduation, but for the three or three and a half years before that he was more or less permitted to drift. Of course, there was a speech of welcome given to new students at the beginning of the year, but nothing like the present series of lectures."

**Praised By Dean**  
"I believe that not only the entering freshman, but all the classes should have an opportunity to familiarize themselves with the facts about the school, and to hear outside lecturers who will broaden their viewpoints. To this end, we have introduced lecture courses by men not connected with the Institute, notably the Aldred lectures."

E. J. Deane '28, president of the freshman class addressing the freshmen at a Military Science Lecture last Thursday urged all the members of the class to attend this series of lectures. Deane expressed himself as being very much in sympathy with President Stratton in regard to the lectures, declaring them "very much worth while."

## TECHNOLOGY REVIEW TO FEATURE EASTMAN GIFT

February Issue Will Appear On Sale Tomorrow

Technology Review for February will be placed on sale tomorrow and will have the largest circulation of any issue since its establishment. The articles this month are unusually wide in variety, the leading one concerning George Eastman and his recent gift to the Institute. An article follows on F. Campbell '01, whose rehabilitation work in connection with disabled service men in Detroit has attracted much attention. The speeches of Samuel Vaucrain, President of the Baldwin Locomotive Works, and Professor D. R. Dewey of the Department of Economics, at the Alumni Dinner, are also included.

A new feature of the issue will be the inclusion of the Architectural Bulletin, which formerly was published separately. The bulletin will appear in the Review four times a year, that is, every other issue, and comprises about five pages.

## Boathouse Is Hampered By Dearth Of Crew Men

Last Monday was "Call Day" for crew men to report to the boathouse. As a result of Bill Haines' appeal for more oarsmen, many responded; not nearly enough, however. On Monday night about ten new men appeared, and last night, about five more. That is far from enough. Bill has to have sufficient men to fill his Varsity, Junior Varsity, and 150 pound Varsity, and at the present time there are numerous empty seats in each one of these crews. Come out for crew now!

## PRIZE SONG WILL BE SELECTED ON FRIDAY

This year's Prize Song will be chosen at a meeting of the Prize Song Committee Friday evening at five o'clock. This will be the third song to be chosen in a series of five annual competitions. At the end of the five years the best song of the five will be selected and will be recommended to replace the Stein Song as Technology's Alma Mater, due to the feeling that the Stein Song is not fully representative of Technology.

The members of this year's committee are as follows: Professor H. G. Pearson, head of the English and History Department; Dr. A. W. Rowe '01 Austin Cole, Jr., '25; Bowman McKennan '25; D. A. Henderson '25; H. C. Hoar '25.

## ROGER M. FREEMAN ALUMNUS '13 DIES

Was Graduate of Course VI And Prominent in Hydraulic Work In West

Roger M. Freeman '13, died Monday evening at his home in New York City, following a severe attack of appendicitis. He was in his thirty-third year and is survived by his wife and two children. The shock of the attack is believed by the physicians to have affected his heart, which probably had been weakened by his participation in nearly all major branches of athletics during his student years.

Mr. Freeman entered the Institute, the alma mater of his father, after graduating from Hope High School, Providence, and continued his engineering studies at the University of Charlottenburg in Germany. Although a young man, Mr. Freeman was a consulting and construction engineer of high ability and gave promise of achieving in his chosen field the eminence enjoyed by his father, whose work the young man had been gradually taking over.

During the war he was in charge of several important engineering projects for the government, and since that time had conducted a business of his own, specializing in dam and hydraulic work in the Middle West. In his capacity as a government engineer he built the great armor-plate plant at Charlestown, W. Va., and other government plants at Erie, Pa.

Mr. Freeman was an all-round athlete during his high school days in Providence. He played on the hockey, football, and baseball teams and was captain of each. At Technology, he continued his participation in athletics, acquiring considerable development, but perhaps causing a strain on his heart that contributed to his death.

## Alumni to Give Comedy Skit On Radio Saturday

Will Be Part Of International Intercollegiate Night On Air Program

A comedy skit, "Burlesque on Radio Broadcasting" will be presented by alumni of the Institute as one of the features of the International Intercollegiate Night on the Air program which will be broadcasted by WGY, the New York General Electric broadcasting station, from Edison Club Hall, New York, next Saturday night.

Other features of the evening will include the songs and cheers of many other colleges and universities; songs by the British Empire group, consisting of college men from New Zealand, Australia, South Africa, India, Canada, and the British Isles; musical selections by the Edison Club string orchestra composed entirely of college graduates; instrumental and vocal solo numbers rendered by former college men now in the employ of the General Electric Company; native songs by a quartet of graduates of the Royal Polytechnic Institute of Sweden; native music played by Chinese engineers and group singing by all those participating in the entertainment, as well as one or more short talks.

This program, which will constitute the entire evening's entertainment from WGY, will go on the air at 7:30 o'clock. More than 500 college men will participate in it, and at least 45 colleges and universities in this country and abroad, will be represented.

## SOPHOMORE DANCE TICKET SALE WILL BEGIN TOMORROW

Affair Will Be Formal and Last Until One O'clock—Tickets Are \$2.50

### HOP OPEN TO ALL CLASSES

Plans have been completed for the Sophomore Hop which is open to all classes, to take place on Thursday evening, February 12, and tickets will go on sale in the main lobby from 12 o'clock until two tomorrow. At a short meeting held yesterday the class-officers decided to have the dance formal so the affair might continue until one o'clock, as a rule of Walker Memorial prohibits the use of the building for informal dances after midnight.

Bert Lowe's syncopators as the main attraction of the evening, with the unimitatable Bert, himself and his popular banjoist, Lew Calabrese leading, will leave nothing to be desired so far as music is concerned. From the results of the Winter Concert at which the above orchestra played, the committee expects to dispose of tickets in short order. It has been deemed advisable to limit the number of stag tickets, selling at two dollars, to 100, and the other tickets will be \$2.50. Although as yet no definite limit has been set for the number of couples, it is expected that their number will be limited shortly after the tickets go on sale.

**Specialties Are Planned**  
To assist in the sale of tickets and general arrangements for the affair, P. I. Cole, president of the class, has appointed a committee consisting of the following twelve men: Dwight Arnold, Lucas Bannon, W. D. Birch, R. L. Cheney, Fordyce Coburn, Maurice Davier, James Flagg, F. A. Lovett, James Lyles, John Newman, E. C. Stevens and James Van Derpool. Tickets may be obtained from any of the above men from tomorrow, until the sale stops, as well as from the class officers.

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## DISTINCT RESULTS FROM RADIO TESTS

Radio Society Makes Unusual Investigation Of The Sun's Eclipse

Tests were made during the eclipse by the M. I. T. Radio Society which were unusual in that both sending and receiving stations were in the penumbra, or partial shadow. Almost all of the tests run by others were on the effect of totality. The results were distinct and consistent, resembling the radio conditions obtained in the early morning and late afternoon, the perfect time for radio transmission.

**Good Results Obtained**  
A marked reduction in atmospheric disturbance was noted from fifteen minutes before maximum eclipse until half an hour after. From six minutes before the maximum until nine minutes after there was a marked variation in signal intensity with an average increase of about twenty-five per cent. Immediately before totality, apparently during the time of the shadow bands, a decrease of fifteen per cent in signal strength was recorded.

Observations were taken by the heterodyne method, giving direct readings of signal strength in microamperes. The sending station was Springfield, Mass., WBZ, just outside the path of total eclipse. The observing party, consisting of H. E. Curtis '28, H. B. Harris '28, W. A. Snyder '27, and O. M. Hovgaard '26 in charge, took readings from eight thirty until eleven Saturday, and from six until noon Sunday. The Sunday test was for the purpose of giving the normal conditions during the same time.

**Effects Shown on Curves**  
The curves made show how the incoming signals are stronger at night, rise markedly during the sunrise period, dropping off to the daylight level within an hour, and then the distinct variation produced by the eclipse. There was a complete absence of static for a three quarter of an hour period during the time of greatest darkness. Some of the effects are hardly understood at

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## TECHNIQUE TO BEGIN CAMPAIGN ON MONDAY

Sign-Ups Will Go On Sale At \$1.00—\$2.50 To Redeem

Technique's sign-up campaign for this year will begin next Monday, and will last through the week. A booth will be maintained in the main lobby, and in addition, members of the board and staff will be engaged in selling them throughout the Institute.

Buttons in red and gray will be given men who sign up in order to save them from being further besieged by sign-up sellers. Sign-ups will be \$1.00, and will be redeemed March 1 for \$2.50 more. The Technique board announces that no books will be sold to those who do not obtain a sign-up unless a reason is given.

The Coop is to devote a show window next week to a special exhibition arranged by Technique, showing early Techniques and showing also some of the features which are to appear in the next Technique. The display will remain in the window all through next week.

## ALDRED LECTURER IS TIMBER EXPERT

Von Schrenk, Consulting Timber Engineer, Speaker For This Week

"Timber as Used by the Engineer" will be the topic of the second Aldred Lecture of this term, to be delivered by Hermann von Schrenk, timber engineer, this Friday afternoon in room 10-250 at 3 o'clock. Seniors, graduate students, and members of the Faculty are invited to attend, classes in Senior and Graduate subjects being omitted at this hour for their convenience.

The lecturer will discuss the present timber situation and its relation to the engineer. He will also go into details regarding the factors which cause destruction of timber, and modern methods used in combatting the destructive forces. As an aid in presenting his talk, Dr. von Schrenk will make use of a large number of lantern slides. In view of the fact that timber is the basis of modern specifications in construction work, a knowledge of the causes of its destruction and means of preservation is considered of prime importance to the prospective engineer.

Dr. von Schrenk, a graduate of Cornell University, was formerly an instructor at the Shaw School of Botany, Washington University and also lecturer on diseases of trees at the Yale University School of Forestry. He was at one time head of the Mississippi Valley Laboratory, Bureau of Plant Industry, chief of the division on forest products for the U. S. Bureau of Forestry, and in charge of investigation on timber diseases and tree preservation for the government. In connection with his work, he has also written several books and papers on the diseases and decay of timber and methods for their prevention.

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## FRATERNITY RATINGS FOR LAST TERM ISSUED

Dean's Office Releases Relative Scholastic Ranking

The following list, ranking the Institute fraternities according to their scholastic record of December 1924 has just been issued by the Dean's office:

- 1 Phi Beta Delta
- 2 Tau Delta Phi
- 3 Psi Delta
- 4 Sigma Chi
- 5 Kappa Sigma
- 6 Sigma Nu
- 7 Phi Sigma Delta
- 8 Sigma Alpha Epsilon
- 9 Zeta Beta Tau
- 10 Kappa Eta Kappa
- 11 Sigma Alpha Mu
- 12 Beta Theta Pi
- 13 Phi Kappa Sigma
- 14 Delta Kappa Epsilon
- 15 Phi Beta Epsilon
- 16 Delta Upsilon
- 17 Lambda Chi Alpha
- 18 Theta Delta Chi

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## TECHNOLOGY LIFE OF TODAY THEME AT ALUMNI COUNCIL

Participation In Activities And Athletics Is Favored By President Stratton

### BILL HAINES ALSO SPEAKS

Dean H. P. Talbot '85 Speaker for Institute on "Alumni Responsibility"

Featured by a symposium and the ensuing general discussion on the topic "Technology Life of Today," the Alumni Council met in the Faculty dining room of Walker Monday evening, for its one hundred and tenth meeting. The speakers presented all sides of present day undergraduate life to the Council.

After the regular business meeting, G. L. Bateman '25, chose "Undergraduate Activity" as his subject. He related how it was necessary this year for the Institute Committee to reapportion undergraduate dues, mainly on account of the increased athletic budgets. The abolition of Tech Night was mentioned, and he asked what the council thought of its return. Few expressed opinions when the opportunity came to do so. Bateman also announced that the undergraduate bodies are now employing the Preferential Election system with "splendid success," and closed by telling of the recent reduction in size of the Institute Committee to enable it to function more efficiently.

Following this Coach Bill Haines told of his extreme pleasure in having been able to develop the wonderful spirit and interest of the students in rowing, and expressed himself as optimistic regarding the outlook for the Spring season, there being at present 115 men using the boat house for training purposes. It is his chief aim to win the Tech-Cornell-Harvard-Pennsylvania meet on May 9, and he hopes to be able to send the crew to England next year to enter the Henley races.

**Dr. Stratton Approves**  
In the enforced absence of Bursar H. S. Ford who was confined to his home with a severe cold, Dean H. P. Talbot '85, spoke for the Institute, taking for his subject "Alumni Responsibility." He stated, in opening, that the general responsibility of the alumni is vested in the Alumni Council. Technology, he believes, is rather unique among educational institutions in the freedom from Faculty intervention which exists. He further stated that the Faculty is solidly behind reasonable participation by the students in activities. The Honor System might well be established at Technology if the student sentiment seems to demand it. He mentioned the Honor System now in practice at Rogers among the Course IV men, and also the reported success of the honor system at the University of California.

President Stratton took part in the general discussion that followed and expressed himself as very much in favor of student activities, with special

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## VISITOR MAY DONATE NEW ENGINES TO LAB

A prominent engineer of the A. L. Best Tractor Co., Mr. Moses J. Murphy of San Leandro, California was a guest of the Institute last Monday. Mr. Murphy was shown through the Institute and displayed especial interest in the Ordnance Laboratory.

Professor Dean Fales of the Mechanical Engineering Department, in charge of Automotive Engineering, showed Mr. Murphy about Technology. Mr. Murphy stated that he may soon send some tractor engines here.

## CALENDAR

- Wednesday, January 28
- 4:00—M. E. movie, room 5-330.
  - 5:45—Square and Compass Dinner, Faculty dining room, Walker.
  - 6:30—Meeting Technology Chapter Unitarian Laymen's League, Unity House, Park Sq.
  - 7:30—Tech show orchestra rehearsal, north hall, Walker.
- Thursday, January 29
- 8:15 A. M.—Soccer team, Notman's Studio, 1286 Mass. ve., Cambridge.
  - 5:30—Catholic Club meeting, north hall, Walker.
  - 8:00—Radio Society meeting, room 10-275.
- Friday, January 30
- 3:00—Aldred Lecture, room 10-250.

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In charge of this issue: G. C. Houston '27

HONOR BUT AN EMPTY BUBBLE

WHAT are honorary societies for? Ostensibly for the rewarding of merit and the recognition of ability. In theory they propose to stand as a group distinguished in some particular field. Exclusiveness and a rigid standard to be observed at all times are the two fundamentals which should characterize them.

Where is the eminence now? Under a deluge of numbers of course. In opposition to their fundamental basis there is an evident danger of their functioning here as cliques which have been promulgated because it is the prevalent fashion to do so. There has been an utterly foolish rush to establish new ones, and sometime ago the saturation point was passed.

Is enough not more than enough? If it be granted that these societies are not now in excess, it must be agreed that any more would gum the works and detract from those already organized. Honorary societies must be fostered but with quality and not quantity in purpose.

We wonder if Tech's paper fleet will come under the 5-3-3 ratio now that it is growing so rapidly?

REAL SPORTSMANSHIP

IT is a singularly pleasant task to discuss the splendid sportsmanship of the men at Annapolis, which has prompted them to extend an invitation to our crew to come there almost a week before the Navy meet.

This hospitality means a good deal to our men, who will probably be able to take advantage of the offer, since Junior Week comes at the same time. It is hardly necessary to point out the tremendous help the extra days at Annapolis will be in familiarizing the crew with the course and rowing in salt water.

The offer is certainly a very fine example of sportsmanship, deserving of sincere appreciation on the part of not only the crew, but every one at the Institute.

TELL ME NOT IN MOURNFUL NUMBERS

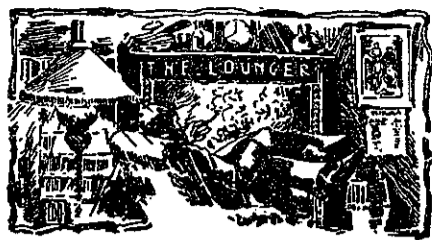
R. U. R. No. 13! There is the situation precisely. Individuality is doomed and philology is becoming atrophied by arabic numerals. Just reflect a moment upon the usual way two Tech men hold converse. The conversazione sounds figuratively as if they were repeating the Statistical Abstract.

The matter stands thusly. The Technology man lives in a dormitory or house number so-and-so in a numbered room, eats special dinner number 3 on a meal ticket also numbered; has phone, box, and locker number so-and-so; takes a course numbered something and subjects numbered we know not what in buildings 1 to 38 and in rooms numbered beyond recall.

And then there are the bells. Harshly aroused in the morning by the clanking of an unmelodious alarm clock, he dons suit number 1 (the only one) to be caught in the act by the breakfast chimes. Whereupon he guzzles his meagre pittance only to be interrupted by the church bells striking nine.

Those fiendish, forgettable, twistable numbers; those hurrying, clanking, tuneless bells. The brain juggles and bungles them, and nerves break before the screeching, grating noises. And they wonder why men go madhouse-ward when numbers and bells can be forgotten.

And finally, when total disintegration occurs and he can no longer hear the bells and read the numbers, a church bell will toll his departure and a number mark his grave. Even in death there is no escape.



We seem to be getting lots of exhibits around the 'stute—first they start exhibiting ship models, marine prints and such like, then they show us a collection of things pertaining to the eclipse, and now they are looking for something else to amuse us. The Lounger suggests a bit of originality. How about showing a few of the really interesting relics of Technology?

Great poets have the habit of car-vorting with the Muses on some odd bridge. None of them, however, was ever drenched by muddy water or soused with slushy snow by a passing motor. But the writer of the following has, and he vents his agony of soul and body thusly: "At five o'clock, all through My thoughts to supper flew, But Oh! what hell I found. A fog lying all around And in the street a lake At which a fish would quake! Cross Harvard Bridge I walked— Close to the edge I stalked All ruffled like a hen. And every now and then Some heavy truck went by And the wild, wild wind would sigh And shower me with a flood Of rain and hail and mud. At last I landed here So sad and wet and drear And hung me up to dry And wished to God that I could die."

Now that Phosphorous has devoted one entire issue towards establishing the fact that the staff of the estimable VooDoo is a handsome lot, the Lounger feels justified in proclaiming to the four corners of the Institute that he considers himself the most Apollo-like and lovely specimen of male flesh in these parts. The startling lack of pulchritude among the members of the Crazy Kat crew, and the great example of moral courage they have exhibited in denying the fact against overwhelming odds impells the Lounger to emulate them—and to take his place above them as the Boaster Beautiful.

The Lounger, along with the rest of Technology, can't help noticing that an artist of our foolish contemporary is well acquainted with the Chem Department. The resemblance was really remarkably striking, and few chemists failed to see it. The Lounger wonders who the next victim of Voo Doo's art department will be.

It is perfectly astonishing how our sometimes unbelievably foolish press plays up ridiculously insignificant things in the affairs of the world. The Lounger has in mind the harmless remark President Coolidge made the other day to a couple of Princeton fellows, about their unduly voluminous trousers. This merely passing remark was caught up by some fool reporter, and resounded from corner to corner of the country almost as if it had been a weighty and important utterance of our chief executive. What utter bunk!

To cap the climax a communication in a Boston paper the other night, apropos of the same thing, made the brilliant suggestion, "Why not invite the college boys to stage a parade, to be held on the sidewalks, galluses barred. It would be a big help to the crossings." Amusing, what? The gentleman is evidently laboring under the delusion that galluses are still being worn by the "college boys." They are about as obsolete as garters.

"Accuracy or nothing"—Voo Doo's motto, oh, yes! As an engineer, Phosphorous should adhere to this slogan. To draw a picture of a transit, and call it a level—ah, that is art! What matter if all intelligent engineers writhe in an anguish at such slips? Phos doesn't care, he's only a crazy cat.

More snow—"Gawd! Ain't it never gonna stop?" So spake one of the weary snow shovelers. We check his crudite opinions, and agree with him that we have nearly had our share of it. Heaven must be pretty nearly snowed out by now. The angels must be working overtime to gather so much of the downy white stuff!

AT THE PLAYHOUSES

COMEDY AT PLYMOUTH PROVES VERY AMUSING

From the Hungarian comes to us one of the most vivacious comedies that Boston has had the privilege of seeing for many a long day—"Grounds for Divorce" with Ina Claire. From beginning to end it is sparkling with humor. The lines bristle with witticisms. Miss Claire, with her light, airy chatter keeps one constantly interested, now laughing with her, now sympathizing with her. She manages to get into and out of the most complicated situations with astounding ease and quickness.

As some of our papers would have it, the entire play "scintillates with brilliant dialogue." One must be on the qui vive every moment to keep up with the rapid unfolding of the plot, lest some gay quip escape one. The whole thing effervesces with lively small-talk and repartee that seems to bubble forth joyously and without effort. Yet underlying it all is a current of sincerity, always to be found if one cares to look for it.

Mr. Merivale, as "Maurice Sorbier," a famous advocate of the freedom of divorce, in his disarmingly frank way decries in other husbands the shortcomings of which he himself is guilty. Gudo (Georges Renavent) a young Italian airplane racer, cursed with a volcanic temperament, is most amusing with the impetuous outpourings of his soul. As for "Felix Roget," played by Mr. H. Reeves-Smith, an homme de monde if ever one existed. Miss Claire as "Denise Sorbier," is the incarnation of all that is constant in this fickle world of ours. Though she seems to vacillate from one admirer to another, she is always true to her husband, a devoted and good hearted, yet short-sighted sort of person who refuses to let the truth (so obvious to the audience) sink into his legally occupied brain.

Altogether a delightful play. It deals with a serious subject in such a charmingly light manner as to completely captivate one. When conservative Boston calls for six or eight curtain calls, as it did on the opening night, it means that a show is really good, and worth a visit.

TILLER CHORUS DANCING FEATURE OF FOLLIES

With a colorful setting, excellent dancing, far humor and mediocre music, the Ziegfeld Follies opened Monday night at the Colonial. Taking everything into consideration, it was a show not difficult to sit through provided that you had not seen "Keep Cool" in New York last summer. If you had, a very great similarity was noted throughout the entire show. There was of course a typical Ziegfeld chorus added which greatly enhanced the worth of the show.

About the most striking performance in the whole show was the dancing of a Tiller chorus, whose perfect time and rhythm was really wonderful to see. The remainder of the dancing honors must be given to the Mosconi family, who gave an exhibition of novelty dancing that will be hard to equal anywhere.

Almost all of the humor of the show was furnished by Johnny Dooly, who was almost at his best, and Edna Leedom. Johnny takes some pretty good falls and a rather hard beating to keep the audience amused, but he manages to do it. The show on the whole was not supplied with enough pep to keep the audience on their mettle, and there was nothing that should cause the censor to put out the scissors.

RADIO SOCIETY TESTS GIVE DISTINCT RESULTS

(Continued from Page 1) this time. Consultation will be held with the various Institute experts, and the formal report will be presented at the Radio Society smoker Thursday. The methods of observation will be described, and a general discussion will be held. In addition, Professor H. B. Phillips will speak on "The Super Heterodyne." The smoker will be held in room 10-275 at eight o'clock. An invitation is extended to all members of the Institute.

Play Directory

BOSTON OPERA HOUSE: Chicago Opera Company. Today, matinee, "Boris Godunov," evening, "La Boheme." Tomorrow, "Tannhauser." Friday, "Carmen." COLONIAL: Ziegfeld Follies. Better than ever. COPLEY: "Uncle Anyhow." Reviewed in this issue. HOLLIS: "Meet the Wife." Light comedy. PLYMOUTH: "Grounds for Divorce." Reviewed in this issue. ST. JAMES: "The Lion and the Mouse." Reviewed in this issue. SELWYN: "White Cargo." Good acting, threadbare plot. SHUBERT: Greenwich Village Follies. Much the same. TREMONT: "Be Yourself." WINTER: "The Wife Hunter." Comedy of ruralities.

"UNCLE ANYHOW" PLAY OF HUMOR AND PATHOS

"Uncle Anyhow" by Alfred Sutro, which is being played at the Copley Theatre this week brings forth the finest type of English humor, appropriately interspersed with moments of touching sentiment. The play, as originally produced, was called "The Two Miss Farnon's." With a slight change in the third act, it is now being shown under the present title.

The plot deals with an ambitious inventive genius, Richard Farnon, to whom the ability to turn his work into commercial success has not been given. The problems of support, falling on his two daughters, Ermytrude and Christine involve many complications. Matters are made more complex when Christine falls in love with a scion of wealth, whose parents seriously object to such an affair. The subsequent smoothing out of these difficulties falls chiefly on one Reginald, a retired philosopher and student of metaphysics. Except for the final scene which seems somewhat weak, the action proceeds very smoothly.

The ability of E. E. Clive is clearly demonstrated in the role of "Reginald." His portrayals of the bashful, ill at ease, yet earnest helper, won much laughter and applause. Katherine Standing as "Ermytrude" was well received and played well the part of the older daughter, business manager and chorus girl. Her manner of quick retort and her replies to Reginald furnished much amusement. As the old, quavering voiced inventor, Mr. Hulze gave a very good interpretation. May Ediss, as the younger sister played her role very prettily. The typical hen-pecked husband, in the person of "George Floyer" was ably and humorously portrayed by Francis Compton.

GOOD ACTING IN "THE LION AND THE MOUSE"

In the presentation of "The Lion and the Mouse," by the Boston Stock Company at the St. James Theatre this week, there is some exceptionally fine acting by numerous members of the cast. Mr. Hall, playing the part of the stern and heartless Wall Street magnate, is extremely good throughout the entire play.

The story centers around a young girl who falls in love with the son of the man who is the direct cause of the ruin of her father. Through various means and methods she obtains admittance to the house of her father's wealthy enemy, and in time gains his confidence and affection. Since she entered the house under a false name the rich magnate is unaware of her identity. As a means of saving his son from marrying the wrong girl, he suggests that he marry the girl who has so cleverly worked her way into the affections of the entire family. The crisis arrives when she finally reveals her real name, and declares that she cannot marry the man she loves on account of the character of his father. The father repents; saves his political enemy from disgrace; and sanctions the marriage of his son with the girl whom he formerly detested.

Elsie Hitz, who always seems to be able to please an audience in whatever part she plays, is just as good as ever. During the play she has some very dramatic scenes to portray, and she succeeds magnificently. Houston Richards again comes to the fore in his impersonation of the "Hon. Bagley." As a whole the play is very interesting throughout, and well worth seeing.

The FENWAY MASS. AT BOYLSTON Cecil B. DeMille's Production "THE GOLDEN BED"

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# MILE RELAY TO RUN HARVARD AT UNICORN GAMES

## B.A.A. Meet Saturday Night Has Big Entry Of College Tracksters And Simon Pures

On Saturday night the big indoor event of the season comes off when the engineer mile-relay team takes on the crimson squad. And this is not only the only relay that the Unicorn has scheduled for their big meet as 16 team races have been scheduled so far and there is one between Bowdoin and Yale as good as tabulated. This affords a rare treat for track fans in the Boston area for not only are there some fine relays slated but the leading amateurs of the country will vie with each other.

In the special 45 yard event Jack Weibe is entered and from the way the Soph flyer has been stepping lately, he ought to give the best a spirit for a win. Os Hedlund does not promise anything, neither does he commit himself on how the relay team is going to come against Harvard. "Time will tell" is his philosophy, so far as the meet is concerned. However, he does not take this fatalistic attitude in preparing his men.

Far from it, for every day the varsity quarter-milers are out doing their stuff around the board oval. Snow and wind, or warmer weather finds the men getting a rub down from Doc Johnson and then warming out on the track. Last Wednesday, the tracksters dropped every race but one to Harvard but the men are back with the same old spirit. Not wishing to assume the role of Alibi Ike, Hedlund wants the student body to get the results of the Harvard meet straight.

**Hedlund Explains Relay Showing**  
"Harvard is good this year," he started in saying, "the best they have been in years. For every three average good men on our relay team, Harvard had three but more,—they had one man who was way above the average. Look at Tibbetts, Lundell and Haggerty,—they are exceptional."

"However, we are going out to give them a good run Saturday and I am not going to be too optimistic about it." That is how Os feels on Saturday's race. At present the varsity team is made up of Leness, Howlett, Bateman and Jeppe.

Among the best relay races of the evening will be the Georgetown-Boston College event over the two mile distance. B. C. holds the world's outdoor record in this event and the same flyers who hung up that mark are back again to hold their championship. Georgetown is now slouching in this event and by the looks as though the winner will have to break the worsted in record time. It surely looks like the Eagle team of Bill McKillop, Capt. Pat Mahoney, Lous Welch and Tom Cavanaugh, holder of the world mark of 7:47 3-5 would break the indoor record of 7:55 2-5. If they don't something is wrong; anyhow it will be another attraction and a chance to see another mark fall other than those that Paavo Nurmi pulls from the wall.

Along with above attractions the B. A. A. officials have several headlines in the field of sport on deck. Not only Paavo Nurmi, the Finnish sensation, will run but also Joie Ray will attempt to add that third leg to his claim on the Hunter Mile trophy. With Nurmi running in the 3000 meter it looks like Joie will have a walkaway in the special mile race as he has been running around 4:14 lately.

### SWIMMING TEAM TO MEET B. U. ON FRIDAY

#### Woods And Johnson Expected To Make Good Showing

Boston University is scheduled as the next opponent for the beaver swimming team this Friday night in the Y. M. C. A. pool. This gives followers of the sport a chance to see the swimmers in action for the first time this season and get a glimpse of some of the star performers like Woods in the dives and Johnson in the backstroke in action.

Whitey Woods is at present the high point winner of the squad having taken a second at Yale and two firsts last week end, one against West Point and the other one down in the Amherst pool. Although up to the present time the team has not won a meet some fine performances have been turned in by the men. Johnson who runs Woods a close second for point honors has broken the Institute record in his event consistently.

About the same time that swam Amherst and the Army will plunge into action Friday. According to Old Doc Dope the teams are about on a par in strength and such being the case picking the winner is like betting on a racehorse. The relay is fast with Johnson, Parsons, Hinrod and Armstrong to make up the team and should come through strong. Armstrong in the 50 yard should churn the tank up a bit when he gets going and taken all in all this week end's meet will be a good one, and worth seeing. Tickets will be on sale during the rest of the week.

## GYMNASTS HAVE HARD SCHEDULE FOR THIS SEASON

### Men Practice In Walker Gym Daily In Order to Get In Condition

#### FIRST MEET FEBRUARY 14

The gym team is hard at work these days up in Walker getting ready for its strenuous schedule. Although the first meet is not until February 14, nevertheless the men are practicing with an enthusiasm that promises well for this varsity sport. They go through their stunts twice a week up in Walker and anyone is welcome to come and see them perform.

The gymnasts compete with other colleges in six events and everyone of the six this year is being taken care of capably. Although the team has hard luck in the case of a couple of men still the varsity is going to make the other colleges sit up and take notice. The six events indulged in are the horse, rings, parallels, tumbling, horizontal bar, and rope climbing.

**Good Men Plentiful**  
Turner, who captains the aggregation, is the best man on the horse. Turner is an accomplished gymnast. This is his third year on the varsity and before that he was on the freshman team. Butt, a newcomer to the ranks, also works on the horse.

In tumbling there are two men, Ray Waller and Ed Wayne. Waller is a Sophomore and Wayne was a member of the team last year. Although Waller never saw a mat until last year he is proving one of the sensations of the year. He is one of the best tumblers Tech ever boasted of. These two should get quite a few points for Tech this year displaying their talents on the mat.

**McCoy No Longer Eligible**  
In the parallel bars there are Burgess and Smith. Smith was on the team last year while Burgess was on the freshman team last year. On the rings are Newcome and Waller.

On the horizontal bar Galphin is a very accomplished performer. He is a transfer from a southern College and this is the only year he is eligible. It is

quite a sensation to watch him swing himself around the bar. Galphin should take first place in the meets this year and also place in the Intercollegiate.

McCoy, last year's gym captain and a wonderful performer on the rings is in school but ineligible. He graduated last year and is taking post graduate work. If he was eligible to come out for the team it would be a great asset. McCoy took more than one first place last year. Ruiz, a sure point winner is also lost to the team. Ruiz has had to leave school. He was good on the parallels and a soccer player of note, having gotten his "T" in this sport. In spite of these losses Coach Hicks thinks Technology has a better gym team than the average.

The first meet is with the Navy at Annapolis, although there is an exhibition at Milton Academy the seventh.

## Harvard Grads Meet Fencers This Saturday

A fencing team composed of Harvard graduate students and the identical outfit which defeated the engineer fencers last year 8 to 1 will meet the Technology team in an informal meet in north hall, Walker, next Saturday afternoon at 3 o'clock.

Although the meet will be informal the Harvard grads will, in all probability, comprise the strongest aggregation which the engineer fencers will come up against during the coming season. The Lane brothers and Fleer will represent the crimson grads in the foils competitions.

This foil team was the winner of two intercollegiate fencing meets in 1924 and 1923 and in so doing exhibited some of the finest style of the fencer's art seen in intercollegiate circles for some time. The Lane brothers were runners up in the Olympic competitions last year.

The duelling sword team which will hold forth for Harvard Saturday is also comprised of champions, several members having come off with medals in two B. A. A. meets. Although both the Tech and Harvard delegations have been tutored by the same coach, it is not expected that the engineers will make an imposing showing, against the visiting team.

Harvard's team has a great advantage in view of previous experience and will no doubt show the Tech foilsmen tricks

which will come in useful during the coming fencing season. According to Captain Lewis, the meet Saturday has been arranged primarily to get the fencers in practice for their season which begins with a home meet with Norwich on February 3.

Among the colleges included in the schedule of the fencing team during the coming season are Navy, Columbia, Harvard, Yale and Syracuse. Navy and Columbia have always had a reputation for producing teams of good fencers so that the engineer foil men will need to know plenty of tricks to come off with a good showing in either of these contests.

Manager O'Neil announced yesterday that he has arranged with Luis Ferre, star of last year's fencing team and now a graduate student here, to act as foils director of the meet. Taylor, captain of the 1922 team will act as duelling swords director.

## Dorm Basketball

Last night in the Dorm Basketball League '93 took the scalp of the Adventurers by 39 to 22 score. Holeman beat Runkle 29 to 20 with Dahl starring.

Adventurers	
Hote rf	rf Hain
Bloomburg lf	rf Chang
Latham c	c Shih
Innerasky rg	lg Teng
McFarlane lg	rg Sun
Weinberg lf	rg T. Shih
Score '93-39. Adventurers-22.	
Baskets from floor—Hote 7, Innerasky 5, Latham 3, Hsin 3, Chang 3, Shih 3, T. Shih 1. Goals from fouls—Hote 1, Innerasky 5, Chang 1, T. Shih 1.	
Runkle	
Muskin lf	lf Lucy
Dahl rf	rf Will
Kirsch c	c Knight
Rau lg	lg Earle
Estes rg	rg Partin
	rg Talbot
Baskets from floor—Dahl 5, Kirsch 1, Muskin 1, Rau 3, Estes 3, Lucy 3, Knight 3. Goals from fouls—Muski 1, Lucy 1, Will 5, Earle 2.	

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Printers of THE TECH  
Sydney J. Wrightson, Mgr.



With a fine schedule arranged for the spring campaign by the management, Bill Haines is very anxious that the men who have intentions of coming out for crew show up at the Boathouse this week. Crew this year has more equipment than ever in its history at the Institute and the coaches are ready to take care of a large group of men trying out for crew.  
Since last spring a new set of rowing machines has been added to the Boat-

house equipment and there are several new shells on the racks. The varsity this spring will have a fine new shell which was donated anonymously to the sport by some backer of the crew movement. With the above new equipment and the old which was good enough to turn out a fine crew last spring, this season will put crew on a rock foundation basis if enough men will show up for practice this week.  
Bill Haines emphasizes this week in particular since it is near the middle of the term and quite a bit of work can be done on the machines before the pressure of exams causes a letup in practice. The varsity boat is only 'just filled' while the junior varsity is non-existent. No one is sure of his position on any boat and what Bill wants is to see a large group of men in competition for the varsity boat. "Then we will have a crew that will be a winner."

The great cry now is need of competition. The great Yale crew that won everything in this country and then took the Olympic title was built on competition. Ed Leader had a great number of varsity men out, hence a good crew that will spread the fame of Technology from coast to coast in the sports world all it has to do is to come out and try out for the crew and give Bill Haines something to work with.

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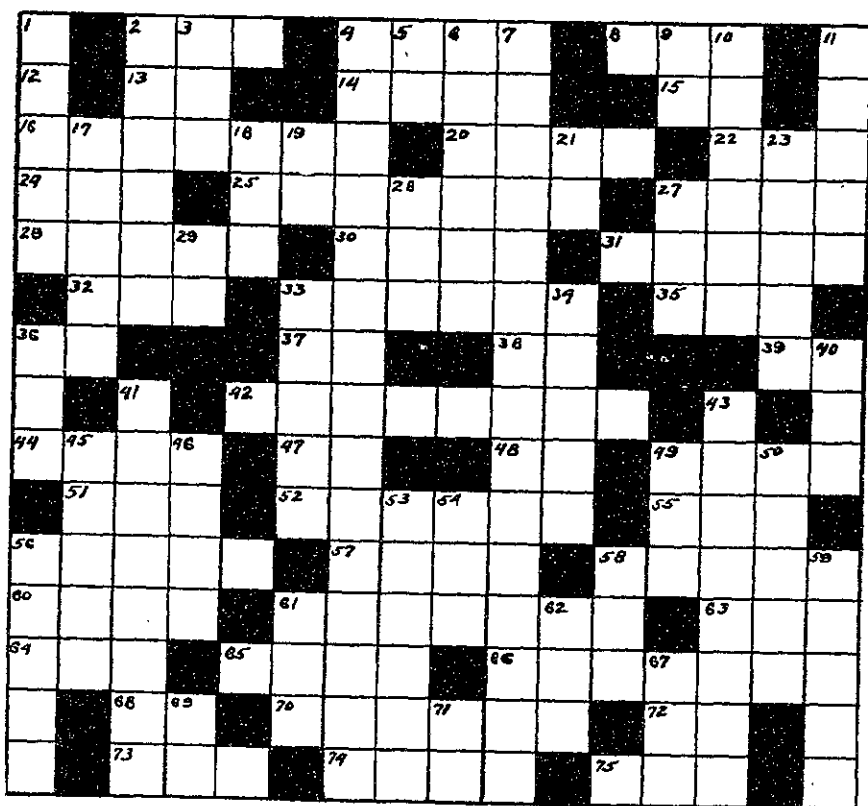
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### CROSS WORD PUZZLE

By F. S. White '27



#### DEFINITIONS:

##### Horizontal:

2. To request.
4. Provincial Order of Professional Idlers (abbr.).
8. Frequently, poetically expressed.
12. Indefinite article.
13. The Ural-Altai language (abbr.).
14. An Assistant Professor of Chemical Engineering.
15. A university degree.
16. Associate Professor in Mathematics.
20. A request for a reply in a note.
22. Light Cavalry of Townsend (abbr.).
24. French form of "to be."
25. From Latin, meaning "actually, in fact."
27. A wind orchestral instrument.
28. Assistant Bursar.
30. That which is along the bottom of ships.
31. Assistant (female) of Economics department. Also a color.
32. The finish.
33. A kind of cloth.
35. Consumed.
36. Word used in comparisons.
37. Suffix denoting comparison.
38. Preposition.
39. Royal Marines (abbr.).
42. President (not Coolidge).
44. City in New York.
47. Prefix meaning "again."
48. Lieutenant (abbr.).
49. Contraction of name associated with Whitman.
51. Independent Burglars' Order (abbr.).
52. A number.
55. Atlas (abbr.).
56. Similar.
57. An old-fashioned apparel to keep ladies' hands warm.
58. A product of whole milk.
60. Archaic expression for "prayer; boon."
61. A make of cake, such as "Ward's."
63. Rural Mail Officer (abbr.).
64. Incidentals, asides, extras.
65. Physics instructor.
66. A popular donor to the Institute, member of the Corporation.
68. Over and touching.
70. To bake again, as in a kin.
72. Each (abbr.).
73. Fresh, recent, modern.
74. Wellesley graduate, '24, now in Course V here.
75. A Technology publication (abbr.).

##### Vertical

1. You are now looking at some.
2. Man's name.
3. Expression for a rude and uncivil language.
4. Abbreviation for title, followed by name of member of Language Department.
5. Old York (abbr.).
6. Package.
7. Abbreviation of title, followed by name of member of Mechanical Engineering Department.
9. Finnian Brotherhood (abbr.).
10. Dean.
11. Professor of Economics Department.
17. Cinders.
18. To total.
19. Point of compass.
21. A bottle label, "very old," (abbr.).
23. To stoop, crouch, quail.
26. American Electrical Society (abbr.).
27. First half of letters which spell a popular fruit.
29. A northern central state (abbr.).
33. Measure of length.
34. Euphonic spelling of "Newton."
36. Liable, usually followed by "to." Prone.
40. A great technical institution (abbr.).
41. English Professor.
43. Famous make of fountain pen.
45. Professor in Mechanical Engineering Department.
46. Means by which two oxen work together.
49. An international disturbance.
50. South American animal allied to the camel.
53. Archimedes' exclamation when he made his discovery.
54. Church of a monastery; convent; nunnery.
58. Checks (abbr.).
59. What we always try to have, but Bursar Ford won't let us.
61. Sound made by the lips of a cold person.
62. Container for preserved goods.
67. Golf term, often used.
69. Section of the United States (abbr.).
71. Preposition.

### Notices and Announcements

#### OFFICIAL 5.942 RECENT DEVELOPMENTS IN SCIENCE

The thirteenth meeting will be held tomorrow at 4.00 p.m., in Room 10-250. Professor F. G. Keyes, Head of the Department of Chemistry will talk on "The Importance to Chemistry of a more exact knowledge of the Properties of Matter."

#### ALDRD LECTURE

Hermann von Schrenck will speak at the next Aldred lecture at 3 Friday in room 10-250.

#### UNDERGRADUATE

##### WANDERING GREEKS

Sign up for Technique's list in book on bulletin board in main lobby.

##### AERONAUTICAL SOCIETY

The society announces a competition for the design of a light plane. The winning design will be constructed.

##### RADIO SOCIETY

Professor H. B. Phillips, will speak on "The Super Heterodyne" at the meeting of the M. I. T. Radio Society tomorrow, at 8.00 in room 10-275.

#### SOCCER TEAM

The Soccer Team will meet at Notman's Studio, 1236 Mass. Ave., Cambridge, tomorrow morning at 8.15.

#### TECH SHOW ORCHESTRA

There will be a Tech show orchestra rehearsal today at 7.30 in North Hall, Walker.

#### MECH. ENGINEERING SOCIETY MOVING PICTURE

A moving picture on "Carborundum" will be shown today in room 5-330.

#### CATHOLIC CLUB MEETING

A supper meeting will be held tomorrow at 5.30 in North Hall, Walker.

#### FRESHMAN RIFLE TEAM

Hereafter range will be open Mondays and Thursdays from 11.00 to 5.00. Wednesdays from 2.00 to 5.30, for Freshman team practice.

#### SQUARE AND COMPASS DINNER

The Square and Compass Club will hold a dinner today at 4.45 P.M. in the Faculty Dining Room, Walker. There will be music entertainment, and an address. All members and Masons cordially invited.

### PHYSICS SEMINAR HEARS PROFESSOR C. T. BURGESS

#### "Physics of Airships" Is Topic of Meeting Held Yesterday

Professor C. T. Burgess of the Aeronautical Engineering Department spoke yesterday before the Physics Seminar on the subject: "The Physics of Airships," considering lighter-than-air craft only. He took up methods of calculating airship stresses in the rigid and semi-rigid forms as well as their design from the physicists standpoint, illustrating the various points with slides. Professor Burgess is also aeronautical expert for the Bureau of Aeronautics of the Navy Department.

The Departments of Physics and Electrical Engineering announce that they have secured members of the research and technical staff of the General Electric Company to give a series of lectures at the Institute. The first two of these lectures will come on Tuesday and Wednesday, February 3 and 4 at 4 o'clock in room 4-231, and will be given by Mr. P. L. Alger '15, who will speak on "Development of Low Starting Current Motors." Mr. Alger graduated from course VI, Electrical Engineering, in 1915.

### TECHNOLOGY LIFE IS ALUMNI COUNCIL TOPIC

(Continued from Page 1)

emphasis upon the splendid value of healthy athletics for a large number of students.

Dr. A. W. Rowe '01, warned against paternalism on the part of alumni toward undergraduate activities and complimented the undergraduates upon the way that they have handled their activities in the past. He said that care should be taken that activities did not become standardized and fixed.

M. A. MacDuffie '25, of Technique asked those of the alumni who were often approached by solicitors for advertising from the Institute undergraduate publications to regard such solicitation on their business merit. He stated that the publications have a service to sell and that advertising placed with them should not be regarded as a donation. The subject of a war-chest plan for advertising solicitation was again brought before the council, but no further discussion took place.

At the business meeting that preceded the program a new ruling of the Executive Committee of the Institute was read. It provided for the distribution of a copy of the "Register of Former Students" free to graduates and members of the Alumni Association on request. O. B. Denison '11, Secretary-Treasurer of the Alumni Association, presented his report. The six committees working on plans for the All-Technology Reunion in June reported definite progress.

Present at the meeting were 55 members and guests of the council. General Managers of the leading activities were invited to be present, and seven of them attended. Tech Engineering News, Technique, M. I. T. Athletic Association, Combined Musical Clubs, T. C. A., Voodoo, and Tech Show were represented.

### TICKETS FOR SOPHOMORE DANCE ON SALE TOMORROW

(Continued from Page 1)

Refreshments and favors will be included in the regular charge and the committee has gone ahead in planning several specialty dances that will add a pleasant sense of something different to the evening. Just what these diversions will take the form of is kept a secret at present. However, a suggestion was made that there will be balloon dances and several other surprises in this line for the large crowd expected. In the way of class dances 1927 wants the Sophomore Hop to be second to only the Junior Prom, and with this view in mind, the various committees expect to spread themselves.

### T.C.A. ABLE TO OBTAIN WORK FOR SEVERAL MEN

Through the services of the Employment Bureau of the Christian Association work is now available for quite a number of students at the Institute. The Bureau has on file work for one, two, or three men at the Good Will Neighborhood House in East Boston, two men being needed afternoons and one in the evening, and also work for three men to referee basketball games. A call has been received for two men to teach Elementary English to a club of Russian workingmen and two more men to teach English at the Portuguese Civic League, one Tuesday and one Thursday. An opportunity that may appeal to the adventurer is offered in the call for a student to go to the Middlesex County jail from 3 to 4 o'clock on Thursdays. Still more work is offered the student who would care to take charge of a Radio Club or direct a printing class for boys at the Cambridge Neighborhood House.

### CHANGE OF SPEAKERS AT S.A.M.E. SMOKER

There was a change of speakers at the smoker of the M. I. T. Post of American Military Engineers held last night. Lieutenant Colonel H. Leonard, of the 101st Engineers was unable to attend. Lieutenant A. C. Lieber, Jr. '16, a graduate of course XII spoke in his place, on the Panama Canal Zone. The other speaker, Lieutenant Colonel Alexander Macomber '07, course VI, gave his speech according to schedule.

### CLASS OF 1925 WILL ELECT IN TWO WEEKS

Elections to the Senior Week Committee and the election of Senior Class Day Marshals will take place two weeks from today, on February 11. Twenty-five committeemen will be elected, three of whom will be Class Day Marshals.

Nominations are due in the Information Office, room 10-100, between the hours of 9 o'clock Friday, Feb. 6, and one Saturday afternoon. Instead of the 10 sponsors' signatures required on nominations to the regular class offices, in this election nominees will need only five signatures on their nomination papers. The 25 committeemen will be elected by the preferential voting system instituted last May and used for the first time in the freshmen elections last fall. The three marshals will be elected by the Hare Spence System, a somewhat modified preferential system.

### J. E. WALKER '26 RESIGNS FROM MUSICAL CLUBS

#### No Appointment Will Be Made To Fill Vacancy

Yesterday J. E. Walker '26, Business Manager of the Combined Musical Clubs, tendered his resignation from that office. Walker feels that in order to do justice to his studies and to permit him to attend to immediate necessities, it would be impossible for him to devote the amount of time to the clubs which his position demands.

H. C. Hoar '25, General Manager of the clubs, announced yesterday that no appointment would be made to fill the vacancy left by Walker's resignation. He expects that the present management of the clubs with the three Junior managers: Lips of the Stage, Publicity, and Treasury departments will be able to take care of the functions of the Business Manager. The position of Business Manager is the newest of the four Junior managing jobs and the clubs' staff and was initiated this Fall to replace the old position of Senior Business Manager.

### FRATERNITY RATINGS FOR FIRST TERM OUT

(Continued from Page 1)

- 19 Delta Psi
- 20 Phi Gamma Delta
- 21 Alpha Mu Sigma
- 22 Phi Sigma Kappa
- 23 Theta Chi
- 24 Chi Phi
- 25 Phi Lambda Alpha
- 26 Phi Kappa
- 27 Delta Tau Delta
- 28 Phi Mu Delta
- 29 Tau Epsilon Phi
- 30 Alpha Tau Omega
- 31 Theta Xi
- 32 Lambda Phi

### STORY OF ABRASIVES ARE SHOWN AT SMOKER

The fourth moving picture of a series of ten to be given this term by the Mechanical Engineering Society will be held this afternoon at 4 o'clock in room 5-330.

The picture will give the details of the manufacture of carborundum and other features connected with this material. The title of the picture is the "Story of Abrasives." These pictures will be given every Wednesday afternoon for the remainder of the term at 4 o'clock by the Mechanical Engineering Society. These movies are not only open to members of the society but are given for the benefit of all students, so that every one is free to attend.

### Enrollments of Lower-Classmen Are Increasing

#### Figures For 121 Engineering Schools Indicate Fewer Four Year Men

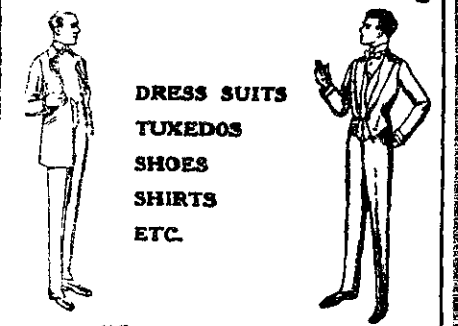
According to statistics issued by the Bureau of Education, Department of Interior, based on the total enrollment in 121 schools of engineering for the first semesters of the college years, the total number of regular 4-year students has decreased by about 4,000 since the year 1921-22. The total number of freshmen and sophomores has decreased by but 2,000 during that same period. As compared with last year, however, the figures show that the new freshmen and sophomore enrollments are on the increase.

Some of the comparative figures on the enrollments are as follows:

Year	Freshmen-Sophomores	Total Students
<b>CIVIL ENGINEERING</b>		
1923-24	6,819	11,281
1924-25	8,738	13,690
<b>MECHANICAL ENGINEERING</b>		
1923-24	6,675	11,384
1924-25	6,072	10,084
<b>ELECTRICAL ENGINEERING</b>		
1923-24	10,786	16,467
1924-25	11,347	16,656
<b>CHEMICAL ENGINEERING</b>		
1923-24	2,738	4,734
1924-25	3,478	4,108
<b>MINING AND METALL. ENG.</b>		
1923-24	978	1,898
1924-25	898	1,563
<b>ALL OTHER CURRICULA</b>		
1923-24	4,133	6,662
1924-25	4,414	6,732

Comparing the latest enrollment with that of 1921-22, the total number of students taking Mining and Metallurgical Engineering has decreased approximately 45 per cent, Chemical Engineering 43 per cent, while an increase of 25 per cent is shown in the enrollment of Electrical Engineers, and 66 per cent in that of the Civil Engineers.

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