

## STRAW VOTE WON BY COOLIDGE BY LARGE MAJORITY

**LaFollette Beats Davis For  
Second Place By One  
Vote Only**

## TENTH OF STUDENTS VOTE

**Vote Taken by THE TECH To Be  
Added to Vote of the  
Other Colleges**

President Coolidge received nearly two thirds of the total vote cast in the straw ballot run by THE TECH last Monday. LaFollette, the Progressive candidate, just edged out Democratic candidate Davis, for second place.

The total vote cast represented only about 12 percent of the registration at the Institute, or even less than the proportion of citizens of voting age in this country who vote at each election. Thus the vote cannot be taken as an absolute statement of the Institute's political affiliations. But since a straw vote is supposed to be representative and not inclusive, it is probably a fair indication of the voting ideas of the student body.

If it is assumed that the majority of the Democratic vote came from the Southern students enrolled here, then it appears that the rest of Technology is divided between ultra-conservatism and progressivism, with a majority in favor of conservatism. This corresponds in general to the division in professional ranks outside of school where, while the majority is conservative, yet there is a small, but powerful minority from which come the leaders of reform.

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## E. C. M. A. CONCLAVE HELD TOMORROW

**T.E.N. Will Be Represented By  
Two Members From the  
Managing Board**

The annual convention of the Engineering College Magazines Associated will take place at Madison, Wis., starting tomorrow. The delegates will be the guests of the Wisconsin Engineer. This year's convention will discuss the editorial policy of the engineering magazines and the possibility of an advertising representative for the group. It will also elect a chairman for a four year term. Tech Engineering News is being represented by B. E. Greenwald '23, general manager, and C. A. Harrison '26, advertising manager.

The first issue of the Tech Engineering News will come out today. The feature articles on "Art," by Arthur E. Fowle '23, illustrated by color plates, by C. F. Jenkins, of the Radio Picture Laboratory of Washington, on "Radio Transmission of Photography," and by Dr. Whitney of the General Electric on "Vacuum—There's Something In It." In addition to this there will be articles of interest to R. O. T. C. students, the Mechanical Engineers and Marine Engineering students as well as the usual departments and articles of general interest.

The T. E. N. was to appear Monday but was delayed by a breakdown of one of the machines at the Atlantic Printing Company. The color plates used in today's issue is the second time such an innovation has been tried by T. E. N., as it is quite an expensive process and very seldom used by college publications.

## DR. FRANKLIN SPEAKS TO M. I. T. MATH CLUB

Dr. P. Franklin spoke on "Infinity" at the first get-together of the Math Club held last night in north hall, Walker. He discussed the various aspects of this little-understood subject, explaining their differences and resemblances.

This meeting was the first of a series planned by the officers of the club, at which mathematicians will discuss the latest developments of their branch of science. Get-togethers and smokers will be held frequently, and the executive committee announces that the membership rolls are still open to new members.

## FIRST DORM DANCE TO BE HALLOWEEN PARTY

**To Hold Two Informal and One  
Formal Dance Each Term**

Halloween will be the occasion of the first Dorm dance of the term. At this time Institute gayety-seekers will gather in Walker for four hours of dancing.

Two informal and one formal dance are planned by the committee to be held each term. This dance on October 31 is the first of the informals and will be followed later in the term by another informal and a formal.

Decorations and novelties suitable for the occasion are promised and dancing will last from 8 to 12 P. M. Tickets priced at two dollars will be on sale in the main lobby every day from 12 to 2 o'clock next week.

Dormitory dances were begun at the Institute in 1918 and have seemed to become steadily more popular. The committee in charge thinks that they fill a real want in the social life of the school.

## MISS DU PONT AT LA FOLLETTE CLUB

**Coleman du Pont's Sister Spoke  
On La Follette's Work  
In Wisconsin**

Miss Laura du Pont, the sister of Coleman du Pont '24, spoke at the meeting of the La Follette Club held yesterday in the North Hall of Walker Memorial. Miss du Pont said, "When La Follette went into office as governor of Wisconsin, he found the state with a deficit of \$300,000. At the end of four years there was no debt; but there was a surplus of \$400,000 brought about by taxing the railroads on an even standard with other corporations." She also spoke of the fact that La Follette pledged himself to the people, earning the name of radical on 31 planks, of which 26 have been enacted into laws by Congress. These planks included the popular election of United States senators, and Woman Suffrage.

Miss F. Luscomb speaks  
Miss du Pont then read figures showing that during the gubernatorial administration previous to his, 27 banks failed in Wisconsin; during his administration only one bank failed; while in Iowa and Illinois there was an increase of ten bank failures. "In his speech at St. Paul before the United States went into the war," Miss du Pont went on to say, "La Follette said we had grievances against Germany, but was quoted by the Associated Press to have said 'no grievance.' Eight months later, after his expulsion from the senate, the Associated Press sent a letter to the senate saying that they had misinterpreted his speech."

Miss F. Luscomb '09 told the club the reason for the new party saying that the old parties were both purely conservative and dodged all important problems, as the railroad question; and the liberals had no party through which they could express their views; and that this movement was particularly important in this campaign as it was laying the foundation for a great party in the future.

There was a fair representation of the student body at the meeting Monday. N. L. Hurd '27 and I. B. Yassin '27 were elected to the LaFollette committee. During the past week 150 copies of the LaFollette News have been distributed; the next issue will be out at the end of this week. There will be a meeting next week to be announced later.

Miss du Pont and Miss Luscomb are devoting their time to LaFollette's campaign in Massachusetts and New England.

## CORPORATION XV WILL HOLD INSPECTION TRIP

Corporation XV will hold its first inspection trip of the year tomorrow when the society members visit the Cambridge assembly plant of the Ford Motor Company. Two groups will make the tour: one group will arrive at the plant at 9 o'clock and the other will arrive at 9:30.

All members of Corporation XV and freshmen members of Combined Professional Societies are urged by those in charge to make the trip. Further information will be posted on the Corporation XV bulletin board near room 1-173. Those wishing to go should sign up on the bulletin board some time today.

## HILL AND DALERS GET DOUBLE RACE FOR NEXT FRIDAY

**Cross Country Men to Run With  
Strong Brown and Holy  
Cross Teams**

## BEAVERS ARE DOING FINE

Although barely two weeks have lapsed since the barriers first donned running togs, Coaches Doc Connors and "Os" Hedlund will send two varsity teams on to the courses on Friday afternoon at 4 o'clock when the Hill team will run Holy Cross over the Stadium course and the level squad will meet Brown at Franklin Park. The men for the two squads have been selected gradually during the last fortnight by the track mentors and both groups have been practicing over the Belmont course and on the cinder track earnestly in preparation for the first competition of the fall running sport.

Holy Cross was defeated over the Stadium run by Harvard by a 25-32 score but as the Technology squads have not met anybody yet there is no basis on which to compare the two squads as to strength. Bemis, Davidson, Hooper, Rooney, Parkinson, Wills and Symonds make up the level varsity cross country team, a list of names that includes many of last year's harrier seven. McIntyre and DeFazio have been selected as substitutes. As the course is well known by the men, a strong showing ought to be put up against the Worcesterites this weekend.

**Have Worked on Belmont**  
Coach Oscar Hedlund will take the Hill team over the Franklin Park course tomorrow afternoon for a walk and general survey of the various running conditions when they meet the Brunonians. On the hill team which Coach Connors labels "an enthusiastic bunch" are Ostberg, Gaillard Hunt, Bailey, Preston, Smith, O'Brien, Dahl.

(Continued on Page 3)

## T.C.A. HELD ANNUAL CONFERENCE SATURDAY

The third annual setting-up conference of the T. C. A. staff was held Oct. 18 and 19 at Drabblington Lodge, Kendall Green, Mass. A total number of 29 were present at the meeting, the staff including officers, department directors and division managers; also three members of the Advisory Board, Dean H. P. Talbot '85, Capt. Elliot Snow, and Professor Hale Sutherland. The invited guests were Mrs. H. P. Talbot, Rev. N. C. Fetter, student pastor of the First Baptist Church of Boston, and James B. Watson, Foreign Student Secretary of Greater Boston. There were sessions held Saturday evening, Sunday morning, and Sunday afternoon.

The business discussed at the conference consisted of a review of the work in all the divisions of the T. C. A. and plans for the coming year were made. C. L. Petze, Jr. '25 tendered his resignation as treasurer on account of the point system making it impossible for him to serve both on the T. E. N. and the T. C. A. His resignation was accepted. T. H. Joyce '25 was elected treasurer.

## NINE PICTURES ADDED TO DECORATIONS OF WALKER

The installation of a group of nine portraits of benefactors of Technology will complete the redecoration of Walker Memorial. Among them is a portrait of Augustus Lowell, one of the most generous trustees of the Institute during the early days, which was presented to Technology by his son, President Lowell of Harvard.

Included in the collection is a portrait of President Runkle by Joseph De Camp, one of President Pritchard, and one of President Rogers, which was loaned by his niece, Mrs. Charles Russell. President Maclaurin's picture will be added in the near future.

At the end of the hall is a large picture of Dr. Walker, who donated to the Institute the first \$100,000, which enabled it to get its charter. Professor W. T. Sedgwick, for a long time head of the department of biology, Professor R. H. Richards, retired head of the

## SENIORS WILL UNDERGO PHYSICAL EXAMINATION

**To Determine Effect of Institute  
Course on General Health**

For the first time the graduating class at the Institute will be physically examined. The examination of members of the Senior Class will begin after the freshmen examinations are concluded and is for the purpose of comparison with records of their freshman examination. In this way it is hoped to find out the result of four year's intensive work upon Technology students. So far this has not been previously attempted and much valuable data is expected to be gained. The condition of students who have entered athletics will also be contrasted with those who have not.

Freshmen have been prompt this year in signing up for Examinations and the majority of the class have made appointments, the schedule of the Medical Department being taken up until November 3.

## ALDRED LECTURES WILL START SOON

**First of this Year's by Gillette  
Safety Razor Company  
Superintendent**

The first lecture of the second year of the Aldred Series will be at 3 o'clock on Friday, November 14, in room 10-250, by R. E. Thompson, Superintendent of the Gillette Safety Razor Company. Exercises in fourth year and graduate subjects will be omitted, in order to allow Senior and Graduate students to attend.

The Aldred lectures are a series of talks instituted by J. E. Aldred, in order to link the practical with the ideal. In his work in various fields of industry, especially water power development, Mr. Aldred found that engineers often found themselves in difficulties, and occasionally failed completely, because they had nothing to link their theoretical work with the practical. He therefore conceived the idea of this series of talks by men prominent in engineering and industry, in order that men may have some knowledge of the problems which they are to face, before they leave school. The series has been planned to run for five years, this being the second year.

**Has Prominent Place in Industry**  
Mr. Thompson, who is to speak at the first lecture this year, is superintendent of the Gillette Safety Razor Company, Boston. He was educated at the Hotchkiss School, Lakeville, and at Yale University, receiving a Ph.D. from the latter institution.

He entered the experimental department of the Gillette Safety Razor Company in 1909. He became foreman of the treating department, then assistant superintendent, and finally in 1914 became superintendent. He was elected to the Board of Directors in 1918, and became a member of the executive committee the next year. He is a director of the Vitriified Grinding Wheel Company, the Burea Knitting Company and the Emerson-Brantingham Company.

Mr. Thompson is the inventor of an efficiency indicator for motor vehicles for giving a direct reading of "miles per gallon." He is a member of Delta Psi fraternity and is well known in engineering circles being a member of the American Society of Mechanical Engineers and of the American Institute of Electric Engineers.

## W. W. CRISWELL '26 TECH SHOW'S NEW GENERAL MANAGER

**Elected to Succeed C. R. Mabley  
Who Resigns Because  
Of Illness**

## IS A JUNIOR IN COURSE X

**After a Months' Deliberation  
Junior Board Finally  
Makes Choice**

Wilbur Wilson Criswell, Jr. '25, has been elected General Manager of Tech Show 1925, to succeed C. R. Mabley Jr. '25. Mabley, who was promoted from the position of Publicity Manager to General Manager last May, has been ill with scarlet fever at his home in Detroit since before the opening of school, and is quarantined until the middle of November. Realizing that his absence would delay the work of the Show, and knowing that, after missing a month and a half of work, he would find it difficult to graduate this year if he gave too much time to Tech Show, Mabley sent in his resignation over a month ago, but for various reasons the Junior Board did not take final action on it until last Monday. The press of show business finally forced them to choose.

## Formerly Business Manager

Criswell, the new General Manager, was formerly Business Manager. He is a Junior in Course X, having prepared for Technology at Harrisburg, Pennsylvania, and entered the Institute in 1922. He was freshman manager of the Tennis Team, and has been connected with Tech Show since his freshman year. Criswell was a member of the 1924 All-Technology Smoker Committee and was made chief usher for the Dorm Dances of 1924-25, but his duties as General Manager will force him to give up this position after November 1. Like all members of the Tech Show Junior Board, he is a member of Masque, the Tech Show honorary society.

The election permits the resumption of normal work in Tech Show. Tonight comes the meeting of the Music and Lyric writers. The orchestra tryouts will be held Friday. Plans for the program of Tech Show are being considered, and the probable places of showing will be New York City, Norwich, Hartford, Poughkeepsie, Northampton, and the usual three in Boston.

All books for the 1925 show are due in five days, on October 27. Books will be read as soon as possible, and the winning book will be announced as soon as the decision has been made. Shortly after that will come the first tryouts for cast, chorus, and ballet if there is one.

## ALUMNI MEETING WILL BE HELD NEXT MONDAY

The first meeting of the Alumni Association will be held as an informal dinner on Monday, October 27 at 7:45 o'clock in Walker Memorial. President S. W. Stratton will welcome the gathering, and incoming and outgoing members of the corporation will greet each other. A business session will follow which will include the reports of the Auditing Committee, Secretary-Treasurer, and the Committee on the Nomination of Term Members. The Technology Club of Chicago will put forth a proposal on the advisability of establishing a Technology Business Service Bureau.

This year, in order that Council Representatives may have their opinions, criticisms, or suggestions ready for presentation during the discussion of a question, advance notices of all Council meetings will be sent to all Local Secretaries. During former years these reports have not been sent until shortly before the meetings. Local Secretaries will be urged to give this their attention.

## CALENDAR

**Friday, October 25**  
8:00—Halloween Dorm Dance, main hall, Walker.  
**Thursday, October 23**  
7:30—Menorah Society smoker and meeting, north hall, Walker.  
8:00—A.T.E.E. meeting, room 5-330.

A Record of Continuous News Service for 43 Years



Official News Organ of the Undergraduates of Technology

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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BIG THINGS IN LIFE

HENRY FORD once offered to buy the French navy outright. He was asked to take over the old and useless ships, but in answer to this cabled back that "he wanted the whole thing or not at all." The deal fell through and the French still have their navy, but there arises from all this, a suggestion to everybody.

Too many of us are inclined to back away from an enterprise or problem of any sort because "it is too big," meaning by this that its carrying out appears to entail too great difficulties. Or else, it is juggled with until many of these difficulties disappear or seem to disappear. In reality, it is not the same enterprise but a different one on a smaller scale. A little thing is in the place of a big thing. The germ of a new and big idea, easily carried to fruition by a little perseverance and pluck, is killed by the fear of undertaking it or by pure laziness.

The man who is the greatest financier of the age, one whose name is a household word for business acumen, did not balk at such a stupendous project as was the Muscle Shoals enterprise, even though he was well past the three-score milestone of life. His success, as are all other successes, is due to the ability to envisage any problem no matter its size and proportions.

The wizard that is Henry Ford thus teaches us a wholesome lesson. No matter what our problem is, be it extra courses to fit us more properly for our life work, be it the problem that many freshmen have before them, whether to engage in some activity or to avoid all extra work, if we approach it without fear we can swing it. From one big thing we go to another until the size of enterprises will not be a detriment to our enthusiasm. Then and only then can we stand out from the throng and achieve success.

SOPHOMORE LASSITUDE

THE enthusiasm of the class of '27 last year was the subject of much comment. They exhibited a brand of fight and Field Day spirit which attested to a healthy class feeling and a capable, interested membership. Their splendid participation was conceived as an advance indication of a coherently active, enterprising class which was to be an animus to the esprit de corps of the other classes.

Unfortunately this year they have shown a complete reversal. No interest, no endeavor, no sign of life is to be found in their ranks. One might draw the conclusion that they are yellow, having once shown that they could and now that they won't. A bad retrogressive example, this, to set before the incoming men who need healthy, vigorous opposition to develop their class consciousness.

The success of Field Day depends upon whether this Sophomore sluggishness is eradicated. To allow the class day competition to degenerate into a tame, torpid holiday is to undermine its fundamental principle—to prevent guerrilla antagonism and to create class individualism by organized, spirited competition. Remove the spirit and the interest in the competition and there is nothing of potency left.

This is what the Sophomores are permitting to happen. It is incumbent upon them to vindicate themselves, to prove that they have not become loafing exquisites, to make Field Day all that it can and should be.

ELECTIONS AND PRE-ELECTION BALLOTING

AS is stated on another page of this issue, the straw vote that THE TECH ran Monday and yesterday was overwhelmingly for Coolidge. An attempt was made to find out how other colleges in this vicinity voted on similar straw votes, but in every case, the results were either incomplete, or no vote was being held. The only exception to this was Simmons College where the vote was three to one for La Follette. At the only other institution where the results had begun coming in at all, Coolidge was in the lead, but the returns to date have been so small that nothing definite could be judged from them.

As is always the case, several men took the straw vote as being an opportunity to vent their embryo humor, by voting for cartoons and professors. In most cases, the ballot was not signed, so that it is impossible for THE TECH to let Voo Doo know of these budding humorists, and their labors are in vain. It is really pitiful that there exist so many college men with such a perverted sense of humor that they cannot even take a serious attempt to feel the political pulse of the Institute seriously.



Ray! Coolidge wins. Not that the Lounger is pro-Coolidge, but he makes it a safe policy to cheer for the winning side. The only thing that the Lounger wonders about is who belongs to the "slush-fund" contributions that were in the ballot boxes. The Lounger dropped around to the place where they were counting the votes, and no less than 45 cents rolled out of the boxes when they were opened.

If the contributors will only let the Lounger know which party this was intended for, he would be only too glad to see that it gets to the proper candidate. If it was intended to be placed as bets on one or another man, let us know who and why. We will place it with our broker, to be used in any way that is desired. HOWEVER, don't one man come around and try to tell us that he put in all in it. It was distributed through three of the four ballot boxes, and we know how much was in each.

Incidentally, one man let his enthusiasm overcome his spelling ability. He turned in a written ballot for one instead of using the printed ballot, and he didn't even know how to spell the man's name.

Brass buttons \* \* \* R. O. T. C. uniforms! Will the Mil. Science Department never cease putting on dog? Between the new bright buttons, the clanking sabers hanging on their shining chains, the gold service stripes, the marksmanship medals with their bars that remind us of the Sunday school attendance prizes still worn by that innocent freshman, and the vividly colored shoulder patches, we will be nearly blinded as we pass them in the corridors. We have even seen one advanced R. O. T. C. man with glittering spurs tinkling musically as he tripped along. Speaking of snappy appearances, the Lounger noted with approval that his little heart to heart talks about officers who did not properly police their buttons really did some good. The offending officer had all his buttons buttoned last Friday for the first time this year.

It was with the greatest enjoyment that the Lounger watched maidenly blushes steal over the fair features of one of our co-eds when she came to the end (or should we say conclusion?) of the current issue of the Voo Doo. He did not realize that Phosphorous, that modest old bachelor, was capable of such things. We were really quite shocked.

The Lounger for once made a false statement. He said, some days ago, that he would no longer have anything to talk about now that the great court was ceasing to resemble the arid Sahara. This very thing has once more given him something to worry over. He finds that the fine rich loam of which our new front lawn is composed was originally intended for the new soccer field that the A. A. is trying to build for us. It seems that the consignment of dirt was ordered for the soccer field, but commanded as soon as it got here to beautify the old 'Stute and to make it look less like a factory. The Lounger, personally, not being a soccer enthusiast, is just as glad to lose part of the desert even at the expense of an athletic field. It seems peculiar, doesn't it that such things happen even in such an efficient place as an Engineering school. If we, the tennis courts, a hockey rink that will really hold water and that can be used occasionally to skate on if the water ever freezes, and a board track that is to be an exact duplicate of the one in the Arena. No excuse, now for our athletes if they do not give the Sports Department of THE TECH plenty of victories to write up.

Those interchangeable signs for presenting the menu at the cafeteria in Walker are quite the thing, when it comes to making startling announcements. A few days ago almost half the student body was killed in the rush when it was noticed that the management was offering a "cup of Scotch for 8c." But nobody bit for the special desert which was offered at the same time—Broth Ice Cream for 10c."

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Play Directory

COLONIAL: "Stepping Stones." Very smooth musical show, featuring the Stone family.  
 COPLEY: "What Every Woman Knows." Whimsical acting of Barrie's whimsical play.  
 HOLLIS: "Aren't We All?" Comedy of much humor. Last week.  
 PLYMOUTH: "Outward Bound." A play more of the next world than this.  
 ST. JAMES: "So This Is London?" Cohan's familiar comedy of American vs. Englishman.  
 SELWYN: "For All of Us." By and with William Hodge.  
 SHUBERT: "Wildflower." Vivid musical comedy with interesting Italian atmosphere.  
 TREMONT: "Laugh, Clown, Laugh." From Fausto Martin's play "Ridi, Fagiaccio." With Lionel Barrymore and excellent support.  
 WILBUR: "Musical Pretty." Pretty good musical comedy.

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# SOPHS OUT STRONG AFTER SATURDAY'S DEFEAT

## MASS MEETING OF SWIMMERS DRAWS LARGEST TURNOUT

**Coach Dean, Captain Walworth And Lord Give Talks To Aspirants**

## LAST YEAR MEN PRACTICE

"Hail Columbia," shouted the swimming managers as the men poured into 1-190 last Monday at the mass meeting and they certainly had the best of reasons to give vent to their feelings for never since the days of old Columbus has such a bunch turned out to hear the merits of swimming expounded. In addition to the high and mighty upperclassmen who usually attend such functions there was a liberal sprinkling of frosh, easily recognizable by their distinctive if not distinguished costume.

Rus Dean gave a short talk in which he showed swimming not as the general type of college sport but rather as a recreation with which one may have a darn good time and at the same time build up his body. Swimming like the general run of other sports does not exercise a specialized set of muscles to overdevelopment but slowly develops the entire body to a state of physical perfection if the correct routine is followed. It can, however, like everything else not be rushed for a time and then abandoned for several weeks.

Captain Walworth next talked on swimming in general during the previous years and the possibilities for the coming one while Ken Lord followed up with the schedules and the usual dope on practices and financial matters.

At the first practice yesterday there were eight men of last year's teams present in addition to several new candidates and a few stray freshmen. Walworth, Tarsons, Ford and Woods of last year's varsity were there with more form than one might reasonably expect this early in the season while Armstrong, Purcell, Hinrod and Jackson of last year's freshman teams showed up.

At present the team has four great needs: plungers, 220 men, divers, and great quantities of freshman managers. In general, however, the outlook is pretty optimistic and the men that know have some high hopes for the coming year.

## SOPH GRID TEAM IS WORKING HARD FOR FROSH GAME

**Luke Bannon Is Putting Squad Through Some Heavy Practices**

## FROSH NEED HEAVY MEN

Through the darkness, fast settling over the football gridiron comes the bark of the quarter as he shapes out his signals to the rest of the squad for Luke Bannon is running his men through a stiff signal drill in view of correcting the faults of last Saturday. The freshmen were also there, that is, those who had the spirit to come back after a severe licking and show some grit; according to the ethical rules of the game, a team's spirit is measured by the number turning out for practice after a defeat. If this is so the Sophs have it all over the frosh for pep when two full teams donned togs against about eight for the frosh.

Perhaps the Sophs term their defeat one of technicality rather than moral, for the game was played in the pitch dark and required a ball painted with luminous paint rather than a dust covered pigskin. In the scrimmage yesterday they showed a vast change in their tactics both of offence and defence, the line making holes through the second team line that you could drive a wagon through, let alone big enough for one of the backs to plunge through and cut back, twist and whirl over the goal line.

**Frosh Need Heavy Men**  
Steele shows fine ability in the kicking department and against the wind sweeping down the field Monday he got off several fine boots that would pull a team out of danger. Earle and Rhinehart are going strong on the wings and the rest of the line is holding like a stone wall. Fat Volante and Richards, the antitheses of each other one being tall and thin, and the other a 200-pound stocky linesman, have shown great improvement, and when they learn a few tricks in breaking down their opponents' defence they will show up brilliantly.

In the tackle positions Sherrill, Small, Limerasky and Peterson will prove a group of smashing tackles when they have had a few more hard workouts under Luke. The backfield has a fine set of runners in Cline, Steele, Franks, Ward, Dyer and Burke, if he ever shows up, who will be a set of cracker-jacks when Luke gets through putting them through a new set of plays and signals. The defence last Saturday was good but the offence showed a sad lack of drill, a thing that can be corrected when Luke Bannon can carry out his practice plan.

Tom Price and Jiggs Rogers want to see more frosh out for the team that carry a little beef and have a lot of scrap. The line is extraordinarily light at the present time, averaging only 140 pounds. It is impossible to do much with such material as they are too light to withstand the charges of a heavy opponent's line. St. John's averaged about 185 pounds and it is little wonder that they ran up a 91 to 0 score on the untutored frosh. The outcome of such a match was inevitable.

## Sophomores Are Showing Fight In Tug Of War

Pathetic heroism counteracts the comedy in the frantic practice scene of 14 freshmen, too light for tug-of-war, endeavoring to do the work of the wanted 25 huskies. Then too, the irregular height, which can be remedied only by more candidates to choose from, of the men make efficient individual pulling impossible. In addition to the strain, the lives of the prospective first year field team are endangered by a perchance slip of the wildly swinging paddle used by the counter in place of a white silk initialed handkerchief. And he has a greater variety of unimaginable counting phrases than any counter of past history.

The Sophomores, although only 16 of the needed 25 are out, were showing a lot of pep and real stuff. After tugging in vain at the telephone pole for 15 minutes, they became bloodthirsty and wanted to march to the freshman camp for an immediate match, but the coach persuaded them to choose up sides to let their lust gain satisfaction in an inter-team pull. For the information of those having a slight inclination to try out for this manly display of brawn, all one needs is old clothes, weight, strength, and energy. Since no mental test is given to the aspirants, no embarrassment will be suffered by any one.

## SWIMMING SCHEDULES

### VARSITY

Jan.  
10—Lowell at Lowell  
16—Yale at New Haven  
17—Columbia at New York  
24—Army at West Point  
31—Amherst at Amherst  
Feb.  
14—B. U. at Boston  
21—Williams at Williams  
28—Wesleyan at Middleton  
Mar.  
7—Brown at Boston  
14-15—N. E. I. S. A. at Hanover

### FROSH

Jan.  
10—English High  
17—Huntington  
24—Malden  
28—Cambridge  
Feb.  
7—Exeter  
14—Worcester  
21—Brookline  
28—Andover  
Mar.  
7—Brown  
All at Boston

## DANGUAY TO COACH FENCERS IN B. A. A.

**Skabo and Taylor Of Former Technology Teams To Help In Sabres**

Fencing is well under way for another fighting year. With Prof. Danguay as coach and several other old fencers assisting him the team has bright prospects for the future. It has been arranged so that the varsity men shall be able to meet outside fencers to practice with and thus develop a versatility which would be otherwise impossible.

Prof. Danguay, a Harvard man and B. A. A. coach, has been secured to coach the fencers again this year. He is going to give instruction to the freshmen every Saturday, and the varsity men every Tuesday and Saturday. The varsity are also going to practice at the B. A. A. on Tuesdays and Thursdays. The object is to give the team a chance to meet other fencers outside of Technology, thereby strengthening the team and making them better fitted to compete with other colleges.

It is very fortunate that the team is going to be aided by two former Technology fencers. Skabo, a Norwegian fencer on the 1921 Tech team, and Taylor, captain of the 1921 team, are giving valuable assistance in the sabres. These two men have had considerable experience in fencing, and contact with them will prove to be a considerable asset to the team.

## MORE MEN NEEDED FOR BOTH THE RELAY TEAMS

"More men out for practice," is still the outstanding plea of the track coaches and captains. Evidently the Sophomores and freshmen do not realize that the relay may be the deciding event of field day. As yet the event is a toss up with the advantage in favor of '27 because of their experience. The Sophomores are confident and claim that there will not be a repetition of their last year's fate.

The freshman team is still an uncertainty. Not nearly enough men are out, but several of those practicing daily show great possibilities and if determination counts for anything the Sophomores are in for another beating in the field day relay.

The Cross Country team needs automobiles to take 20 men to Harvard and back for the meet with Holy Cross, Friday. A call has been issued asking that any men who will lend such cars will report with them to the track house at 3:30 Friday. They are only needed for about three hours.

## CROSS COUNTRY SQUAD GETS DOUBLE HEADER

(Continued from Page 1)

and subs Abbott and Lawrence Hunt. The Franklin Park course is the regular New England intercollegiate run and will provide an exacting test of the team's strength on a hilly and rolling topography.

Saturday afternoon Hedlund took about 22 men over the Belmont course for a workout, while Doc Connors had about the same number working up and down Charles River Road and around the quarter mile oval. Some freshmen also accompanied Hedlund, two of them according to Oscar "who had been over there for the first time promptly got lost from the group of runners and ended up by going about twice the ordinary distance. The extra workout did them good, however, as Monday they were "going strong." The harriers have been a hard working lot of fellows and although they have had very little time for practice as compared with the other college cross-country squads who have been working for about six weeks now, they show good running form.

In Brown and Holy Cross they will meet two such opponents as both schools have been practicing diligently for quite a while and even have seen actual competition. It will be a feather in the cap of Connors and Hedlund if the teams come through strongly, as they are up against it in every way.

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Before me, Notary Public in and for the State and county aforesaid, personally appeared A. M. Worthington, Jr., who, having been duly sworn according to law, deposes and says that he is the Business Manager of THE TECH and that the following is a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: General Manager, D. A. Henderson; Editor, H. G. Burt (resigned); Managing Editor, J. P. Ramsey, Jr.; Business Manager, A. M. Worthington, Jr.; all of Cambridge, Mass.

2. That the owners are: (Give names and addresses of individual owners, or, if a corporation, give its name and the names and addresses of stockholders owning or holding 1 per cent or more of the total amount of stock.) All equipment owned by THE TECH FUND, Cambridge, Mass., and rented by the Current Volume.

Officers: Mr. H. E. Lobdell, M. I. T., Cambridge, Mass.; Mr. Winward Prescott, M. I. T., Cambridge, Mass.; Mr. H. D. Peck, 99 State St., Boston, Mass.

3. That the above bondholders, mortgages, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state). None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements and embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and that this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is—(This information is required from the daily publications only.)

A. M. Worthington, Jr., Business Manager. Sworn to and subscribed before me this 21st day of October, 1924.

William Jackson, Notary Public. (My commission expires October 26, 1928.)

## MUSICAL CLUBS TO GATHER NEXT WEEK

Will Hold Smoker Next Wednesday for All Interested

An opportunity for members of the Combined Musical Clubs to enjoy an informal get-together will be given at the Musical Clubs' Smoker, which will be held in the Faculty Dining Room, Walker, on Wednesday evening, October 29, at 8 o'clock. All members of the clubs present and past as well as any candidates for the clubs or the management are invited to attend.

The several forms of amusement which have been arranged are calculated to keep the men busy enjoying themselves. Men who are competing for positions with the clubs as performers of specialty acts will furnish the music. Bridge games will be arranged for those who so desire to pass the time and cider and doughnuts will be passed out.

The only speaker on the program will be H. C. Hoar '25, General Manager of the clubs who will outline the coming season for the men.

At the executive meeting of the clubs on Friday, October 24, at 5 in the Musical Clubs office, the management will decide on the poster which will advertise the concerts of the clubs this year. A new Junior managership will be created, namely, that of Business Manager. This will make four Junior managing jobs with the clubs: Publicity Manager, Stage Manager, Business Manager, and Treasurer. The clubs wish to inform freshmen that there are several positions in the managerial department open to candidates.

## PROFESSIONAL CLUBS BIDDING FOR MEMBERS

Combined Professional Societies began their Blanket Membership drive for freshmen yesterday. The Blanket Membership plan permits freshmen to take part in a selected few of the meetings of each of the professional societies. Representatives of the Societies have been placed in the main lobby to receive memberships, and another group will visit each section of freshmen to explain the advantages of membership to them.

At a meeting of the representatives to the Combined societies from the individual societies held Monday, Stuart John '25, president of the M. I. T. Branch, A. I. E. E. was elected vice-president to take the place of R. F. Needham '25, president of Corporation XV who resigned recently.

## ARMY ORDNANCE PLAN ACTIVITIES FOR YEAR

Plans for the activities of the year were perfected at a meeting of the officers of the M. I. T. Post, Army Ordnance Association held yesterday. Arrangements have been made to have authorities on Army ordnance and chemical warfare address the society. Authorities from Washington and from the Watertown Arsenal are to speak. The plans call for three smokers, a banquet, and a dance for society members later in the year.

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## FABRY GIVES THIRD LECTURE ON OPTICS

Discusses Phenomena Produced By Plates with Students

"Different Cases of Interference Phenomena Produced by Plates" was the topic discussed by Dr. Charles Fabry in a lecture given yesterday afternoon in room 4-231. Dr. Fabry, a professor of the Sorbonne and a leader in the French scientific world, discussed the production and application of these phenomena before a group consisting of his regular class of graduate students and other interested persons.

Yesterday's lecture was the third of a group on General Interference Phenomena in Optics and formed a continuation of the previous talks. Another will be given in room 4-231 at 3 o'clock on Friday and will discuss a different part of the general subject.

## DR. VANNEVAR BUSH TO SPEAK TO ELECTRICALS

Dr. Vannevar Bush '16, Professor in the Electrical Engineering Department will speak to the M. I. T. Branch of the American Institute of Electrical Engineers in Room 5-330 tomorrow evening. He will discuss conduction through gases with particular reference to the "S" tube.

Dr. Bush was instrumental in developing the "S" tube which is used as a rectifier of alternating currents. Since the tube was first put to commercial use several years ago, Dr. Bush has continued his research upon this device and has presented papers in the Proceedings of the Institute of Radio Engineers and the Journal of the American Institute of Electrical Engineers concerning his experiments with it.

After the lecture, the meeting will be thrown open for general discussion and questions. All interested in this subject are invited to attend the meeting. The lecture will begin at 8 o'clock.

## STUDENTS ARE URGED TO VISIT NAVY YARD

The Naval School of the Institute is to open its doors to the public for inspection of the Clark collection of naval prints. Letters have been sent to all preparatory schools in Massachusetts urging their members to attend the exhibit as well as the Navy Yard during Navy Week. "Technology students will be well repaid," said Captain Snow, "if they visit the Navy Yard, as it will be possible to examine the most up to date apparatus in many scientific lines, the electrical apparatus being especially worth visiting. Those interested in ships should not fail to attend as there are numerous types of vessels on displays, some unique."

Captain Snow hopes to have the Clark collection open on Sunday so that those unable to attend on a week day may then do so, at the same time visiting the Institute if interested. There will also be on exhibit full rigged models of navy vessels.

## COOLIDGE WINS STRAW BALLOT BY HUGE VOTE

(Continued from Page 1)

movements. Thus the Institute is really representative of the professional point of view.

The total vote was as follows: Calvin Coolidge, 228; Robert M. LaFollette, 61; John W. Davis, 60; Eugene V. Debs, 1; Alfred E. Smith, 1; total 351. In addition were found in the ballot boxes three votes for Andy Gump; one vote each for Barney Google, Sebastian Sapp, and an Institute Professor, and 45 cents.

At other colleges results are still uncertain. Simmons has been found three to one for LaFollette. At Harvard only a small fraction of the expected vote has come in, but the latest count showed Coolidge leading LaFollette by half a vote. B. U. News has not yet decided to run a straw ballot, but declares that it probably will.

At Harvard the balloting is being conducted differently from THE TECH ballot. The Crimson has sent out a card to each student, in order to obtain a bigger representative vote. The method gives more complete results but delays the counting of ballots.

## LEHIGH FROSH ENGAGE IN COLORFUL ANTICS

According to Lehigh tradition, the freshmen celebrated the first football game of the season by turning out in force garbed in bathrobes of every shade imaginable. Some 400 frosh, wearing their colorful attire gathered together in the campus, and after having attendance checked by the Sophomore Council, started off to parade through the town. Led by the 1928 president and a few cheer leaders, they snake danced through the heart of the city. At each corner, they halted to cheer the traffic policeman who could do nothing but wait for them to move on and let the waiting vehicles have a chance to use the street.

## Biography of Professor J. D. Runkle First of 'Prominent Men' Series

(The first of a series of biographical sketches of the famous Institute men represented by the new pictures in the Walker Memorial.)

Prof. John Daniel Runkle, A. M., '69, LL.D., '71, was graduated from the Lawrence Scientific School in the Class of 1851. He was interested in the Institute from its birth, having been an associate of William Barton Rogers in the actual planning of it. In 1867 he was made Professor of Mathematics and Analytical Mechanics. The following year, 1868, he was appointed Walker Professor of Mathematics and Mechanics; and in 1876, Walker professor of Higher Mathematics. In 1880 he was made Professor of Mathematics, which position he occupied until his death. He died July 8th, 1902.

President Rogers, in 1870, owing to illness, resigned his office, and strongly recommended Professor Runkle to succeed him. President Runkle held office for eight years, after which he resigned in favor of President Rogers. In a letter to the Corporation, written at the time of Professor Runkle's resignation, President Rogers pays great tribute to him. Following is an extract from the letter:

"Few persons know the labors and perplexities which have been involved in carrying forward the plan of the Institute to its present widely expanded activity, but all who have marked its progress, will, I am sure, agree with me in a most grateful recognition of the

unflagging devotion to its welfare which President Runkle has always shown, and will be assured that his zealous and disinterested labors as President of the Institute must always have an honored place in its history."

President Runkle's administration was one marked by many notable events, among which were the establishment of laboratories of Mining Engineering and Metallurgy; the introduction of Shop Instruction and the Foundation of a school of Mechanic Arts; the development of professional summer schools in the field; beginning of the Engineering Laboratory; the summer encampment of Technology students at Philadelphia on the grounds of the Centennial Exhibition; the erection of a Gymnasium (including a lunchroom); and the formal admission of women students.

At an early date Professor Runkle was connected with the "American Ephemeris and Nautical Almanac." For the three years preceding the Civil War, he was editor of the "Mathematical Manual." In 1876 he published a book "The Russian System of Shop Instruction;" and in 1888 a book on "Plane Analytics." Through his great belief in the importance of manual training in education this branch of engineering received its greatest spur at the Institute.

Professor Runkle's life, one of countless friendships, may be summed up in the words, "Beloved as a professor, and esteemed as a mathematician."

## THE LOUNGER

(Continued from Page 1)

One of our most promising prospective Chemical Engineers clinched his "H" in Industrial Chem for the term by asking Prof. Lewis the following question during a recent lecture on Fuels and Combustion: "What kind of coal produces WHITE SOOT?" Without making use of our Applied or Triple E we can guess at once that the student was referring to white coal. Anyhow when it comes to getting sooted, white soot suits us best.

After spending his first \$25 at the Co-op for books and supplies, do you wonder that the new man at the Institute thinks the "Harvard Co-operative Society" is an exclusive club for millionaires? (The "Tech Branch" as a prefix is doubtless used to lend dignity to the Society's name.)

All freshmen are hereby advised that the Slide Rule is not a faculty regulation prohibiting sliding on the Institute walks during the winter. While speaking to freshmen, it might be well to add that it is for the best interest of the student not to attempt to solicit Faculty Votes. The members of the Faculty will make known their selection shortly after the close of first term examinations.

The co-eds have been conforming strictly to the request that there be no smoking in the corridors. But we won't swear to what's going on behind the doors of the Emma Rogers Room.

Somebody has suggested that the Organic Chem Lab is situated on the top floor in order that students who have succeeded in preparing some new powerful explosive mixtures may leave the Institute quietly without disturbing those on the floors below.

## Notices and Announcements

### OFFICIAL

**PHYSICAL TRAINING**  
All freshmen who are not going to substitute athletic sports for physical training classes are requested to call at the office of Physical Director, room 335, Walker, and make appointments for physical examination at once.

**UNDERGRADUATE**  
R. O. T. C.  
Cadet officers alone of the R. O. T. C. will be allowed to wear gilt buttons. All others keep uniforms free from such buttons.

**R. O. T. C. SENIORS**  
R. O. T. C. Seniors report to room 3-310 to ascertain whether their names are on this year's payroll. The Military Science Department also has a few pay checks from the third term of last year ready for distribution.

**FRESHMAN RIFLE**  
Rifle range will be open Wednesday 2:15 to 5:30 for freshmen rifle practice in addition to Tuesday and Thursday.

**FRESHMAN FOOTBALL**  
Freshmen football needs more men. Report on the field tonight at 4 o'clock sharp.

**CATHOLIC CLUB**  
There will be a joint "Acquaintance Dance" of the Technology, Simmons and Emerson Catholic Clubs Friday evening, October 24, at St. Cecilia's Hall, Belvedere Street, Boston. Take the street car to Mass. Station and walk down from there. All members of the club and their friends invited. No escorts necessary.

**SOPHOMORE TUG-OF-WAR**  
Practice every day at 5 beside rifle range. More heavy men needed for the team. All the equipment required is an old sweater or shirt. Report today.

**FOOTBALL EQUIPMENT**  
Anybody willing to loan football equipment to the freshmen please call R. P. Price at B. B. 1369 or R. W. Rogers at B. B. 7197 or call at the A. A. office. Shoulder Guards, Headgear and Pants are needed most.

**A. I. E. E.**  
Dr. Vannevar Bush '16, will speak to M. I. T. Branch of the American Institute of Electrical Engineers at their first meeting of the year in room 5-330, tomorrow at 8. His subject will be "The 'S' Tube and Gaseous Conduction." All electrical students are invited.

**NEW STUDENTS**  
Men desiring copies of the Stranger's Directory of Greater Boston and the pamphlet "Our Neighbors At Kendall Square" may obtain the same from the Information table in the T. C. A. Office.

**TECHNOLOGY DAMES**  
Wives, mothers, and sisters of Technology students are invited to attend the opening meeting of the Technology Dames, next Monday at 2:30 in the Emma Rogers Room, room 10-300. All members are urged to attend. Dean Talbot will speak and Miss Owen will sing.

**ARMY OFFICERS**  
An invitation is extended to all regular Army officers at Technology to attend a farewell dance in honor of General Hersey, who retires in November, to be given at Whitney Hall, Coolidge Corners, Brookline, the night of October 29. Those wishing to attend please communicate with Lieutenant Kovarick at Corps Headquarters.

**MENORAH SOCIETY**  
Rabbi Harry Levi, of Temple Israel will address the members and friends of the Menorah Society at the first smoker of the year tomorrow at 7:30 in the north hall. A cordial invitation is extended all students by the officers. Refreshments and smokes will be distributed.

**TECH SHOW ORCHESTRA**  
There will be a rehearsal of the Tech Show Orchestra Friday at 5 in north hall Walker.

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