

MR. R. E. FLANDERS SPEAKS TO LIBERAL CLUB ON THURSDAY

The Limitations and Possibility
of Economic Control is
Speaker's Text

ALL STUDENTS WELCOME

Mr. Ralph E. Flanders, vice-president of the American Institute of Mechanical Engineers, will address the Liberal Club tomorrow afternoon at its first meeting of the year on "The Limitations and Possibility of Economic Control." The meeting is to be held at 4 o'clock in Room 1-190. Mr. Flanders' subject promises to be one of particular interest at this time because of the policies being pursued by governments today in an effort to achieve some degree of Economic Control.

As in the past the policy of the Liberal Club will be conducted along purely non-professional and non-technical lines. Thus, in its effort to afford a broader, a more comprehensive and a more authoritative knowledge of the great contemporary economic problems, it occupies a very unique position among the extra-curriculum organizations at Technology. In an institution such as this, where one devotes himself almost entirely to extensive technical work, much too little an opportunity exists for even a superficial cognizance of the trends and events of the day. This opportunity, or at least an introduction to it, is afforded by the M. I. T. Liberal Club.

Other Speakers Scheduled
This year, under the able leadership of its president, Willem Holst, Jr. '32, there are, in addition to Mr. Flanders, many prominent speakers scheduled to address the club, namely Professor Dana and Mr. Norman Thomas, a noted Socialist leader. Besides this an innovation to be attempted this year will be the holding of one or more joint meetings with the Liberal Club of Harvard. Preliminary steps have already been taken in this direction and the Harvard Club has expressed a desire to have Professor Rogers speak at one of the meetings.

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NAVAL MUSEUM GETS HISTORIC SHIP MODEL

Replica Built from Parts of First
"Old Ironsides"

Among recent additions to the Naval Architecture Museum is a model of the famous frigate, "Old Ironsides," which is a very interesting model insofar as it was fabricated entirely from materials taken from the famous old warship.

Plans and construction data for the model, which was built and is owned by David Oakes of Belmont, Massachusetts, were given by courtesy of the Navy Department. All guns and anchors were turned at the machine shop of Bowdoin College from bolts taken from the hull during the reconstruction of the old vessel in 1929.

One Thousand Feet of Rigging

There are also one thousand feet of rigging and 309 blocks, most of which are less than 3-32 of an inch in diameter, on the model. All the wood used for the construction of the replica is live oak, and was taken from the original keelson, which was laid in 1794 and which has been under water for 133 years.

Technique Is After "Wandering Greeks"

Technique will post sheets tomorrow in the Main Lobby, at the 69 Massachusetts Avenue entrance, at the 33 Massachusetts Avenue entrance, and in the Rogers Building for the benefit of those fraternity men whose chapter is not represented at Technology. These men are requested to set down their names and fraternities on these lists in order that Technique may give them the proper letters following their names in the Year Book. The lists will be up for a period of a week and a half.

A. H. MOGENSEN LEADS COURSE XV SEMINAR

Assistant Editor of Magazine to
Remain One Week

Allen H. Mogensen, assistant editor of the magazine "Factory and Industrial Management," is working with the Department of Business and Engineering Administration for the entire week on an experiment with the Senior classes in Industrial Management. He is holding special lectures and laboratory exercises on the work that he has been working on for the past eight years on "Common Sense in Industrial Management."

Mr. Mogensen, a graduate of Cornell University, studied in the Industrial Engineering Option of Mechanical Engineering, a course very much like Course XV and, at that time, he became interested in the subject of Business Management. After graduating, he taught in the University of Rochester for several years, becoming an assistant professor.

For the past several years he has been travelling around the country, carrying on research among various successful manufacturing plants. He is interested particularly in the study of the motions of manual laborers by the use of motion pictures.

T. C. A. Drive Will Start with Dinner at Walker

Christian Association Workers
Will Learn Psychology
of Soliciting

In order to bring together the men who are to assist in the coming financial drive of the Technology Christian Association, the Annual Drive dinner will be held this evening in the North Hall at Walker at 6 o'clock.

Each year the dinner marks the beginning of a drive to secure funds to maintain the Association during the year. Although the drive is not open until next Monday, the workers gather at this time to be instructed in the proper manner of approaching a student so as to painlessly extract the maximum contribution.

Divide In Groups

To simplify the work of soliciting, the student body has been divided in three groups, the dormitory men, the fraternity members, and those living at home and in rooming houses. A drive leader has been assigned to each group and these men will speak at the dinner.

John Lawrence '32, will conduct the drive in the dormitories; Fred R. Henderson '32 is in charge of the work in the fraternities, and Russell Hastings, Jr. '34 will supervise the Free Lancers.

Hall Presides

Expenses for the dinner will not be taken from the funds of the Association but will be paid by a group of men interested in the work being done. Richard R. Hall '32, will preside at the dinner. Fred N. Dickerman '30, who was the Tech-in-Turkey representative last year, will speak after the dinner and Dr. Brewer Eddy, Yale '93, will be present to explain the psychology involved in soliciting contributions.

Officially, the drive will start next Monday at six o'clock in the dormitories and will continue throughout the student body until Friday. Letters containing solicitation material are being sent to those students who do not live in the dormitories or the fraternity houses.

TECHNOLOGY REVIEW ISSUE IS DELAYED

Technology Review, official Alumni magazine, has been forced to postpone the date of its publication because of the death of Dr. Stratton. Instead of appearing at the usual time, which is the 27th of the month, the journal will not be available this time until Thursday. If one is interested in subscribing, arrangements may be made in the offices of the organization, on the second floor of Building 11.

Attention Freshmen and Sophomores

Your attention is called to the proclamation of the President of the Institute, stating that participants in parades or other demonstrations off the Institute grounds render themselves liable to disciplinary action.

You are further advised that the expense of repairing Institute property, damaged in connection with Field Day, will fall upon your own class treasuries, which, you are to be assured, can ill afford any extensive expenditures.

The Institute Committee and the Field Day Committee are united in cautioning you against leaving the Institute grounds and in advising you against the diminution of your class treasuries.

(Signed)

DONALD B. GILMAN '32,
President Institute Committee.
RICHARD L. FOSSETT '33,
Manager of Field Day.

SOPHOMORE RELAY SQUAD FAVORED TO WIN ON FIELD DAY

One of the Fastest Teams Ever
Assembled Represents
Second Year Men

YEARLINGS SHOW SPEED

Both relay teams for the Field Day fracas have been picked by Coach Oscar Hedlund, after a long week of careful trials. Fourteen men from each class are to report Friday afternoon; two of them will be substitutes, who will be eliminated by the Coach, unless there are vacancies or ineligibilities.

According to the Coach, both teams are in excellent condition, with the Sophomores given an edge over the first-year men. The second-year team is one of the fastest that has ever taken the track in such a competition, with most of the last-year squad out, and all of the men in better trim than last year. Cummings, of the last year's team, one of the fastest men ever to run in the relay, is lacking, but barring this one man everyone else has had a chance to compete, and either be selected or eliminated.

Bell Leads Sophomores

Dick Bell, ex-Captain of the '34 freshman track team, is one of the stars this year. He is ably backed up by men of proven calibre, such as Rees, Schwarz, Sousa, Walter Wrigley, and Ted Rimbach. Bell is one of the most promising dash artists that the Institute has ever seen; Rimbach, although regularly a weight man, is very fast and turned in one of the fastest times in the last year's race.

Both Schwarz, and Wrigley were on the indoor relay team, with Dick Bell as another of the men. Such a combination is sure to build up the strength of the team, especially with such solid backing as that offered by the other members.

Greenlaw Stars

Greenlaw seems to be the star of the freshmen, on the basis of the times turned in during the practices and trials. There are five other men, Sharpe, Holley, Lytle, Fox, and Horton, who are ranking ex-

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Sophomore Tug-of-War Team Weighs Two Tons

Almost two tons of assorted Sophomores will stride upon the field on October 30 as the tug-of-war team representing the Class of '34. The total weight of the twenty-four men which comprises the team comes to 3944 pounds, just 56 pounds less than two tons, and by a simple arithmetical process which should be within the capabilities of even a Technology scholar, the average weight of the team is 164 pounds per man.

Harold R. Bellinson '34 has been elected captain of the tug-of-war team, Julius Goldberg '34 has been made counter, and Paul Lappe '34 has been chosen manager.

CLASSES AWAIT FIELD DAY WITH BOTH SIDES CONFIDENT OF VICTORY

CONCERT TICKETS ARE AVAILABLE IN LOBBY

Advance Sale Is Scheduled For
Week Ahead of Event

Tickets for the Fall Concert and Dance, which the Combined Musical Clubs have announced for Friday, November 6, will be on sale for more than a week in advance. Beginning today, representatives of the management will offer tickets to the student body, and anyone else who may be interested, every afternoon from 12 to 2 o'clock in the Main Lobby. Sale in the Lobby will continue until a week from Friday, the day of the concert.

Those who fail to get theirs through this channel may obtain them at the door immediately before the concert or from any member of the organization. The price for both the concert and dance is to be two dollars and fifty cents a couple. The concert is scheduled to begin at 8.30 o'clock, with the dancing following from 10.30 to 1 o'clock.

Hold Rallies This Week For Members of Both Classes

Freshmen Will Meet Today In
10-250 While Sophomores
Assemble Thursday

With Field Day rapidly approaching, preparations for hostilities are nearing completion in both the freshman and Sophomore camps. Both will hold rallies this week in Room 10-250. The new men will hold theirs on Wednesday at 5 o'clock and the second-year men will hold theirs on the following day at the same hour.

Teams of both classes are developing, but the new men hold a slight edge to date, according to freshmen boosters, while second-year adherents have already awarded the contest to the Sophomores. Spirit in general is raising to a high pitch. The hitherto dormant freshmen are beginning to answer the call to arms, while the Sophomores are still a trifle lethargic on account of over-confidence in their abilities. Increase in freshman spirit may be attributed largely to the concerted efforts of all the section leaders, who have been working steadily to make their class "Field Day conscious."

Rumors of kidnappings are flying thick and fast. All the officers of the second-year men are being protected by guards of their loyal classmen; especially the elusive Humphreys, president of the class. They hope to avert all such indignities as occurred last year to the Class of '33, but the freshmen are particularly fortunate in their instructors, the Class of '33, which is extremely anxious to avenge itself in part for its defeat last year. There is no doubt, in any case, however, that plenty of action will be seen on both sides before Friday comes.

PROSPECTS ARE GOOD FOR FENCING SQUAD

Technology's varsity fencing team is fast getting into shape for the coming season, and is improving at every practice. Capt. Ralph Hamilton is expected to win the majority of his matches, and there are other men on the team who are also shaping up nicely.

Coach John Roth expects a good season, due to the fact that there are several promising Sophomores on the team, besides the veterans of last year's team. This fact should augur good for the present squad as well as for next year's, as it is the Sophomores who will be expected to step into the footsteps of the men who are graduating.

PARTICIPANTS ARE PROHIBITED USE OF MISSILES IN STAND

Both Classes Plan Huge Mass
Meetings to Formulate
Final Plans

KIDNAPPINGS EXPECTED

Final rallies which threaten to eclipse the revival meetings of Aimee McPherson and Billy Sunday in ardor and enthusiasm, will be held by both classes today and tomorrow in an attempt to artificially create the "pent-up" emotions deemed necessary for a successful Field Day.

Sophomore leaders are said to be completing arrangements for bodyguards, but no kidnapping attempts are expected until after the freshman mass meeting this afternoon. Late last evening, Robert MacKay '33, president of the Junior Class, stated that nothing official along this line has yet been planned by the first-year section leaders.

Freshmen Urged to Attend

The freshmen have yet to make a good showing at a class rally, but it is believed that every first-year man will attend tonight's meeting. The Sophomore mass meeting a few weeks ago was a huge success and it probably will be surpassed in attendance tomorrow evening. The Sophomore tug-of-war team has postponed practice until 5.30 o'clock Thursday afternoon so that its members can attend this meeting.

Special stands will be erected on the east side of the field for the many notables and prominent Technology Alumni which are expected to attend. For the past two years Pathe and Fox Movietone have sent

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PROMINENT ALUMNUS DIES AT AGE OF 89

Howard A. Carson, Life Member
Of Corporation, Succumbs

Howard Adams Carson '69, life member of the Corporation and former president of the M. I. T. Alumni Association, died at his home in Malden Tuesday afternoon at the age of eighty-nine. After receiving his B.S. at Technology in 1869, he was awarded the honorary degree of A.M. by Harvard University in 1906.

Some of the highlights in his career were the building of the Tremont and Washington street subways and the East Boston tube. Following his resignation from the Boston Transit Commission in 1909, he served as consultant on great engineering projects, which included the construction of the New York subway and a two-track tunnel under the Detroit River.

Corporation Member

He was a member of the Institution of Civil Engineers, London, the American Society of Civil Engineers, and the Boston Society of Civil Engineers. Funeral services will be held at the home, Thursday afternoon.

Senior Sign-Ups For Year Book Photos Asked

All members of the Senior Class should sign up as soon as possible for their Technique pictures. Early signups make it possible for the men who avail themselves of the privilege to get their proofs that much sooner. The obvious advantage is the opportunity for better pictures. The staff of Technique strongly urges all Seniors to make arrangements with the Technology Photographic Service, Room 11-003, for a sitting at once.

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INERTIA

THE desire to display upon one's watch chain a signet of rare appearance has become the main motive for the continuance of a group of organizations which at one time played a considerable part in undergraduate affairs at Technology. We refer to the honorary societies, of which there are approximately twenty. For purposes of discussion it seems feasible to divide these societies into three groups. In the first group we place the purely honorary societies, Beaver Club, Quadrangle Club, and Walker Club. In the second group is found those clubs and societies which are associated with some activity; Stylus with THE TECH, Woop Garoo with *Voo Doo*, Scroll with *T. E. N.*, Grog with *Technique*, Masque with the extinct Tech Show, Baton with the Musical Clubs, and the dormitory society, Dorclan. In the third group we place those societies which are outwardly active; Pi Delta Epsilon, the honorary undergraduate journalistic fraternity, Tau Beta Pi, the engineering fraternity, the Tech Boat Club, Scabbard and Blade, Mortar and Ball, and others of a professional nature.

Those listed in the last group need no comment. Each of these societies has been active, has adhered to its tradition, and has carried on each year with the same enthusiasm and ambition in performing some useful function.

For the general run of honoraries, however, we have no sympathy. The Quadrangle Club, founded four years ago as a freshman-Sophomore faction, has dwindled to a mere ritual and a name, drawing members from a few fraternities each year, and representing no more than a few meetings for pointless discussion on the most trivial of subjects. Beaver Club, once an award for distinction in activities, is now little more than political graft; the members are selected with no regard for extra-curricular merit. Walker Club has long been on the decline.

While it may seem unfair to cite particular instances, we believe it apropos to bring to attention the recent proposed Walker Club outing. In a fit of loyalty to the dying cause, it was decided that the club hold an outing over the weekend, using the T. C. A. cabin at Camp Massapoag. Enthusiasm was rife all week, or at least until the day set for departure came. Ultimately, only two members of the club attended. None of the other clubs are exempt from the same type of disinterest. The function of this whole group of honoraries was once the creation of a common appreciation of friendship and the will to enjoy fun. Now it has been replaced by the desire to hold banquets paid for by the initiates, and to hold meetings to elect new members whenever the treasury is too greatly depleted.

The same might be said for Scroll, Stylus, Woop Garoo, Grog, Masque, and Baton. At one time leaders in the various activities were more of a unit in themselves: so much of a unit, in fact, that they believed they could form an active club and enjoy each other's company in various forms of social activity. Also, there was the desire to bring the men in each activity closer to that particular activity through some kind of an award. The first purpose has entirely disappeared. While the men interested in extra-curricular activities may have broadening contact with each other when they meet in the offices, beyond that there is little association. Our individual interests, and the outside attractions are too great to assure the success of activity clubs. The result is that these six societies amount to absolutely nothing. There is the annual initiation charge, the banquet, a charm, a certificate of membership, then adjournment until the next year when new members shall be elected. Dorclan has made two or three attempts to get on its feet, but all to no outward improvement.

What function could these societies perform were they active? A tremendous amount of good might be done. Informal meetings of the boards of the publications under pleasant circumstances, with some outside speaker to outline his ideas or to propose changes would be of value. The other activities might also plan new policies and purposes through their honorary societies. Masque might keep the interest of the Alumni in Tech Show, so that at some future time a new show might be organized. Beaver, Quadrangle, and Walker might endeavor to promote the good-fellowship for which they were founded. We might continue, but the issue is apparently dead. There are two possible and fair solutions; first, that the honorary societies as a whole rebuild to their former proportions and purposes, or that the deteriorated ones be asked to disband. We suggest that the most reasonable expedient is the latter.

Institute Contains Good Beginning For Meditated Scientific Museum

Many Early Forms of Electrical Instruments on Display In Laboratory

Has there not been a suggestion for a museum of scientific nature at Technology? A good beginning for such a museum can be found in the Technical Electrical Measurements Laboratory of the Institute. Here one can see early models of wattmeters, voltmeters, potentiometers, and generators.

Among the first exhibition pieces that present themselves to the onlooker are instruments for electrical measurements. The first alternating current voltmeter bought by the Institute is a Cardew Hot Wire Voltmeter of about the year 1891.

Have Early Wattmeter

A Thomson Recording Wattmeter of 1896, made by the General Electric Company, carries the number 97,582. Imagine how sales in wattmeters must be when you view the fact that present meters carry numbers higher than fourteen million.

Representing one of the earliest house meters in existence is a Shallenberger Ampere Hour Meter, devised about 1895. Numerous other meters are also on display; these include a Thomson Eccentric Coil "Potential Indicator," an Ayrton and Mather Electrostatic Voltmeter, an Edison Ammeter, a Grassot Flux Meter, a Tangent Galvanometer, a D'Arsonval Moving Coil Galvanometer, and a Kelvin Current Balance.

Old Standard Instruments

Standard instruments of measurement are also in the laboratory. The standard electromotive force cell which was used before the Weston cell is a Carhart Clark battery. There is likewise an old form of standard resistance to be seen. An old device for testing candlepower was presented by the Edison Company.

Other interesting examples of early electrical accomplishment are the generators. Some of these are still in working condition. One machine, which can be used as either a dynamo or motor, is an Edison Bipolar Dynamo, devised by the late inventor to be used as a constant voltage generator for supplying incandescent lamps. It first came into use in 1887.

Twelve-Horsepower Generator

A Direct Current Dynamo, it is rated at 104 volts, 90 amperes, and 1200 revolutions per minute. This is equivalent to about twelve horsepower. When it is operated now, it is run as a shunt-field motor and is used for driving two generators as a load. The armature of the machine is of the drum-wound type and the field magnet is of the horseshoe variety. The speed of the motor is controlled by a field rheostat.

On Open House days the Edison Motor runs an old Thomson-Houston Generator and a Brush Generator. The former now supplies a lighting load of 110 volts, with its armature having a speed of 1150 revolutions per minute. This armature has a peculiar spherical shape, while its field magnets have tubular cast-iron cores with spherically concave pole-pieces.

Early Lighting Generator

By means of this dynamo a lamp bank and a carbon arc light are made to function. The Brush Generator works a carbon arc only. This machine is one of the first to be generally employed for electric lighting and came into use in 1879.

The innovation of the simultaneous use of shunt and series fields to give a compound, constant voltage generator is credited to Brush. At present, however, the machine in the laboratory is being operated with a series field.

Has Ring Type Armature

A laminated ring type of armature is used. Each coil of the armature is connected in series with the coil opposite, the pair being cut out of the circuit for one-fourth of a revolution, while it is in the neutral portion of the field. Armature resistance and heating loss due to short circuit currents are eliminated by this means.

On exhibition are also two Weston Generators, an old-style Thomson Welding Transformer, and a Crocker-Wheeler Alternator. All instruments in the display have not been mentioned here by any means. The most interesting feature of some of these pieces is their curious construction.

One good thing that has arrived as a result of the depression is the resumption of athletic relations between the Army and the Navy.

As We Like It

The Wilbur

"Alison's House," by Susan Glaspell, winner of last year's Pulitzer prize, started a two-week sojourn in Boston Monday night. It offers some of the best character acting that it has ever been the pleasure of this reviewer to witness; the members of the Civic Repertory Company, of which Eva Le Gallienne is the director, know their business.

The play as a whole, however, is somewhat gloomy. It deals with the breaking-up of the house of a lady poet who died eighteen years previously; she had, it seems, a suppressed love affair, and her sister (Alma Kruger) and brother (Walter Beck) are on the lookout that the world doesn't hear about it. There are the two sons of the brother, one of whom is unhappily married and the other of whom is in Harvard, and a daughter who ran away with a married Harvard professor. There is the old man's female secretary, a faithful servitor and a prying reporter, who turns out to be not so bad.

The brother and sister of the poetess are the best done of the characters. The sister has lived too long alone in the house, and is feeble in body and mind; the emotional stress of breaking up the old home is too much for her, and she passes away en scene. The brother sags under the load of family responsibility. These two characters are superbly done. The erring daughter, who turns up in the midst of the play, is a bit reminiscent of other such characters, but Miss Sondergaard makes the part very much alive.

The rest of the characters are more or less stock; there is the rural comedy relief who buys the house; there is the nagging wife of the older son, who is quite well portrayed, and there is the Harvard boy, who is somewhat overdone.

The climax of the play concerns the discovery of some unpublished poems which tell of the thwarted love affair; the brother wants to burn them, as the sister tried to do before she died; and the rest of the family argue with him. There is much heavy drama.

We believe, however, that any faults to be found with the performance must be laid at the door of Miss Glaspell, and not the actors. The play seems a bit morbid, and is drawn out in spots. There was considerable controversy over awarding it the prize. But be that as it may, it is worth seeing in order to see what a Pulitzer prize play is like, and to see some remarkably fine acting.

C. W. S.

FLANDERS TO SPEAK BEFORE LIBERAL CLUB

(Continued from Page One)

All members of the faculty and of the student body who are interested are cordially invited to be present. Following the address an open forum discussion will take place at which time Mr. Flanders will try to answer any questions which may arise.

MARINE OFFICIAL TO BE N.A.S. SPEAKER

Plans for a banquet on December 10, at which two student papers will be read, and a speaker from the Matson Navigation Company will be present, was discussed by the Naval Architectural Society during its meeting last night.

Mr. Albert Harris, Chief Inspector for the Matson Lines, was chosen as the main speaker of the evening. Robert Tate '32 and Frederick Walsh '32 are to compile and read papers the same evening. The meeting adjourned after setting November 10 and Room 5-130 as the time and place for the next meeting.

A mathematical fraternity at the University of Alabama is offering cash prizes to the students submitting the best solutions to problems which the fraternity publishes weekly.

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HOTEL STATLER

Participants Are Prohibited Use of Missiles in Stand

Both Classes Plan Huge Mass Meetings to Formulate Final Plans

(Continued from Page One)

photographers to "shoot" the glove fight and they will probably be present again Friday.

Prohibit Missiles

Both classes have been warned against the use of eggs and unnecessary garbage in the stands. Last year practically the entire treasury of the freshman class went to pay for the damages incurred on Field Day. This year attempts will be made to keep the expenses of cleaning up at a minimum.

As was stated in President Compton's notice, any attempt to hold a parade or demonstration off the campus will not be tolerated, and the offenders will be liable to expulsion. Field Day marshals will be stationed on the grounds on the night preceding the fracas as well as the day of battle to prevent undue violence.

Forfeit Contest

The attention of all freshmen as well as Sophomore transfers is called to the fact that if a man from either class who is out for a Field Day team is abducted by members of the other class, the entire contest is forfeited to his class.

Up to a few days ago it had been almost a foregone conclusion that the Sophomores would win by a large margin. Although no definite reasons have been given, it is now felt that the freshmen, as dark horses, will be a decided menace to the hopes of a 13-0 landslide for the Sophomores.

For the past two years the freshmen have easily won the glove fight, but there is every indication that this event will go to the second-year men this year. Sophomores in the dormitories are organizing for the event, and elaborate plans will be formulated at the class meeting. It is believed that the Sophomores bank their hopes more on the strategy which they expect to use than on the numbers which they will have out.

Predict Close Grid Game

The recent defeat of the hitherto undefeated Sophomore football team has given rise to great optimism for the freshmen in this event. One of the closest battles for Field Day football honors ever witnessed is expected. Relay teams have been picked and it is believed that the fast Sophomore team has the edge. The outcome of the crew race defies prediction. Although last year's freshman crew was one of the best ever had, there is a tendency to believe that the present freshmen will prove the most powerful.

FRESHMAN FOOTBALL AGGREGATION READY

Team Is Practising Each Night To Perfect Team Play

Anticipating the big game close at hand Henry E. Worcester, Jr. '32, coach of the freshman football team, is putting his team through harder and longer practice these last few nights before Field Day. The team, captained by Frank Lovering '35, has showed unusual ability in the offense, as was displayed in the game last Thursday against the Eliot Hall team of the Harvard Dormitories.

Combining smashing off-tackle plays and brilliant end runs, the game ended with the score of 19-0 in favor of the freshmen. This victory has instilled in the players a spirit of confidence, so that they intend to enter the fray Friday, against the Sophomores with their minds on an overwhelming victory over their opponents.

Many Able Candidates

Coach Worcester is faced with an unusual problem in selecting his team from the thirty candidates which he has on his squad. The first and second string backfields are equally aggressive and show the same amount of skill in the defence. On the line, although not as noticeable as in the backfield, the ability of the various linemen seems to be alike in both the offense and defense. The average weight of each member of the team is about 155 pounds a man.

The length of the periods will be 10-12 minutes each, with a rest period of 30 minutes between halves. The probable lineup of freshman team is as follows: Brosnahan, l.; Lovering, Capt., l.t.; Fletcher, l.g.; Grouza, c.; Hunt, r.g.; Kennedy, r.t.; Reed, r.e.; Sieminski, q.b.; Peterson, l.h.; Prestwich, r.h.; Cooper, f.b.

SEEDED PLAYERS ADVANCE IN PLAY

First Four of Ranking Players Win Without Too Much Difficulty

Technology's fall tennis tournament has been progressing so that it has advanced to the quarter-finals. Seeded men have come through with victories to put themselves in this round. All four of the first rank in the seedings turned in expected wins, with appearances to the effect that they will all enter into the semi-finals.

Dick Hanley, seeded No. 4, on account of reliable comparative data, won over Hugh Fenlon in easy style to the extent of 6-0, 6-2. In the same half bracket, H. F. Ross, ranking player of the tournament, was pushed a bit harder to pull out a victory over E. V. Coons, 6-4, 6-3.

Captain Feustel Wins

The other two of the first seeded players came in with victories. Tommy Regan, seeded second, won his match easily. Capt. Fred Feustel managed to hold his opponent to two sets.

Other of the stronger players advanced to the quarter-final round. Jim Eder, of last season's frosh squad, won over Jim Seligman, also of the yearling team, in two love sets. Charley Feuchter eliminated A. Greenberg 6-3, 6-3.

Several of the quarter-final matches should prove of interest. The match between Jim Eder and Dick Hanley will probably have the most tennis in it. Another of the matches, Regan-Feuchter, should have plenty of tennis displayed, since both have won matches by easy margins.

Membership Drive Has Been Opened By Corporation XV

Stock Speculation Contest Is Interesting Feature of the Group

Efforts are now being made to build up the organization of students interested in the administration and management phase of engineering. Though this society appeals particularly to Business Administration students, men from all courses are invited to join.

This year's program calls for at least one meeting a month, supplemented by several inspection trips to local plants. At midyear, a four-day industrial trip will be arranged as usual, the itinerary to include visits to the more interesting factories in several New England cities such as Springfield, New Haven, and Bridgeport. The trip will end in New York, where those making the trip may proceed to their own enjoyment.

Speculation Contest

Another well-known drawing card of the organization is the annual stock speculation contest, in which each man is given a hypothetical sum of money to invest as he deems best. Each contestant may change his investment a number of times. The man whose account shows the greatest increase at the end of the allotted time wins a prize of a share of stock of market value of \$10.

The officers of the present organization include: Charles W. Isselhardt '32, president; Roy C. Hauesler '32, secretary, and James W. Vicary '33, treasurer.

Intercollegiates

Students at the University of North Carolina are forbidden to bum rides in Chapel Hill. Also from Carolina comes the news that a student who measures exactly thirty-six inches has set out to prove that physical height has nothing to do with intellectual depth.

The Dickinson College Athletic Association has received its first contribution to the "Conscience Fund." The gift is a fifty-cent piece, sent by a man in Wilkes-Barre, Pa., "for sneaking in to see a football game."

A professor at Northwestern has advised the coeds to take up pipe smoking instead of cigarettes, if they want to get the most enjoyment out of smoking.

Princeton, Yale, Harvard, and Pennsylvania have organized lightweight football teams and scheduled games for them. The pound limit is 150.

Dean Soccer Team Defeats Freshmen By Score of 4-0

Yearlings Hold Prep Men To One Goal In Second Half of Game

Tech's freshman soccer team lost to Dean Academy in a hard, fast game at the Coop Field last Saturday by the score of 6-0. In the first half, three goals were caged by McKenna, Dean's stellar center forward, and all during a short period of time. The play was equally good on both teams, with the freshmen forcing the fight to their opponents time and again.

During the second period the ball was in Dean's zone most of the time. At least six opportunities for the freshmen to score were missed when the center forward, and the inside left missed perfect passes from the wings. Dean scored its only goal in the second period when their center forward, and their inside right carried the ball the whole length of the field, drew the backs out, and took a shot. Humphreys, the inside right, scored. Ballard and Crann played well for the freshmen, and Forster did a good job of spoiling Dean's corner kicks. The game was played in two thirty-minute periods, and was refereed by Hart.

Next Games

Remaining games to be played by the freshmen are Exeter, Andover, and Harvard freshmen. They go to Exeter Saturday. As a result of votes cast last Saturday, Ballard and Bemis are tied for the captaincy of the team.

The lineup:

- | | |
|-----------------------|---------------------|
| <i>Technology</i> | <i>Dean Academy</i> |
| Van Pattensteiger, p. | G. Sutliff |
| Orton, r.f. | r.f., Jones |
| Mather, l.f. | l.f., San Souci |
| Forster, l.h.b. | l.h.b., Lewis |
| Bemis, c.h.b. | c.h.b., Harvey |
| Crann, r.h.b. | r.h.b., Bartells |
| Ballard, r.w. | r.w., Gerarder |
| Lowry, i.r. | i.r., Humphreys |
| Snow, c.f. | c.f., McKenna |
| Hamilton, i.l. | i.l., Ferri |
| McFadyen, l.w. | l.w., James |

CHESS CLUB OPENS SEASON ON FRIDAY

Wells Will Be First Opponents In Scheduled Match

Chess will be started at Technology on Friday when the Chess Club goes to Wells to engage in the first scheduled chess match. This will be the first of a long list of matches. This year's club is unusual in that it includes two members of the Faculty among its members, Professor Phillip Franklin, who has long been a chess enthusiast, has been elected honorary president, and Professor Manuel S. Vallarta has been chosen honorary vice-president.

Complete reorganization of the chess team has taken place. It is no longer called a chess team, but sports the more formal name of chess club. The reason for this change is that a chess club is more representative of the various elements of chess and that it is more consistent with the nature of the game. Irving I. Schell '33 is the president of the reorganized club, and Frank W. Speir '32, who has for several years done much to foster chess in Technology, is the vice-president. It is the desire of the chess club to give the opportunity to participate in all matches to all who wish to tryout for it. There will be no definite picked men for any particular match. All members who are qualified will be allowed to participate.

Represented in League

Technology will be, as of formerly, represented in the Metropolitan Chess League. The teams for each match will be announced on the day of the match and will consist of five members.

Members who have so far been chosen to represent Technology in coming chess matches are as follows:

- Professor Phillip Franklin
- Irving I. Schell '33
- Moses Gelinus '32
- William P. Montgomery '32
- Nathan Rosen, G.
- Frank W. Speir '32
- Joseph P. Fahey '32
- Charles H. Marvin '32
- Herbert M. Ratzkovsky, Jr. '33

Following is the complete schedule of matches this season:

- | | | |
|---------|-----------------------|---------------|
| Oct. 30 | Wells vs. Tech. | At Wells |
| Nov. 13 | Tech. vs. Y. M. C. A. | At Technology |
| Nov. 27 | Technology vs. Wells | At Technology |
| Dec. 4 | Tech. vs. Harvard | At Technology |
| Dec. 11 | Tech. vs. Independent | At Technology |
| Dec. 18 | Boylston vs. Tech. | At Boylston |
| Jan. 8 | Tech. vs. Bay State | At Technology |
| Jan. 15 | City Club vs. Tech. | At City Club |
| Feb. 19 | Harvard vs. Tech. | At Harvard |
| Feb. 26 | Tech. vs. Independent | At Technology |
| Mar. 4 | Tech. vs. Boylston | At Technology |
| Mar. 11 | Tech. vs. Bay State | At Technology |
| Mar. 18 | City Club vs. Tech. | At City Club |

HOCKEY MEETING PLANNED MONDAY

Mass Meeting Starts Ice Season Coach Stewart Will Speak

One of Technology's major winter sports, ice hockey, starts the new season with a mass meeting next Monday afternoon. The meeting is scheduled for 5 o'clock in Room 1-190. As speakers for the meeting there will be Coach Bill Stewart and Capt. Tommy Regan.

Coach Stewart, monitor of the skaters, has had the coaching position here for a good many years. It might be noticed that he is also head of the New England Referees' Association.

Regan Is Captain

Tommy Regan, one of the four of the survivors of the lettermen last year, is captain of the squad. Regan is an aggressive forward with plenty of punch and a fairly accurate eye for the goal.

Schedules made out for both the varsity and freshmen teams show that there is plenty of play forthcoming for players. Twelve games have already been arranged for the varsity squad, including Harvard for an opener, with Dartmouth, Princeton Williams and others following. The yearling schedule includes for the most part, the stronger Prep schools of New England.

Practice Starts Soon

Practice for the squad is planned for about two weeks hence, in order to give some of the frosh a bit of time to practise together as a unit before the games start. A certain amount of equipment is forthcoming for the men who turn out early.

A freshman at St. Xavier College petitioned the Registrar to institute a course in bricklaying—an art in which he was particularly interested.

The statue of "The Christian Student," at Princeton has been treated to a coat of bright orange paint. The vandals have not been apprehended.

Pledges to a prominent social fraternity at the University of New Mexico had to ride about the campus on donkeys the week before their reception into the organization.

The finances of several thousand men students of the University of Texas were expected to be stabilized with the announcement that co-eds had declared a moratorium on taxes for university dances.

SOPHS ARE FAVORED TO WIN RELAY RACE

(Continued from Page One)

tremely close to Greenlaw, and there will be a hot race among the men on this team for the best time in the race.

If the track is fast, there seems to be no reason why the relay race shouldn't be one of the fastest ever run for Field Day. Incidentally, the race is expected to be run between the halves of the football game between the classes, an interval of thirty minutes.

Lineups Given

Lineups for the teams are as follows: *Freshman Team:* Greenlaw, Keefe, Sharpe, Holley, Rich, Lytle, Nelson, Bartlett, Godinez, Fox, Gleason, Horton, Beckwith, and Cettomai; *Sophomore Team:* Bell, Ball, Clark, Doten, Emond, Holladay, Lockhart, Rimbach, Schwarz, Wrigley, Sousa, Timmerman, Fentress, and Allan.

Very much better is the exhibit of students' art work in the Art Exhibition of the New York State Fair. Nearly every department of the College of Fine Arts of Syracuse University is reported as represented.

One of Colgate University's most popular Faculty members is a psychology professor who compelled his students to take a nap in class so that he could determine the most efficient tone for an alarm clock bell.

Ghandi feels that he would be a social curiosity if he visited in our United States. Maybe he's right. Do you think that we could possibly understand a statesman who keeps silent one day of every week?

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OFFICIAL BULLETINS

OF GENERAL INTEREST

Physics and Physical Chemistry Massachusetts Institute of Technology
 Thursday, October 29, 3.00 p.m., Room 8-319
 Physical Chemistry Conference. "The Direct Measurement of the Energy Function of Gases." Dr. S. C. Collins.

Thursday, October 29, 4.00 p.m., Room 4-231

Physics Colloquium:
 1. "Some Problems in X-Ray Diffraction by Crystals." Dr. B. E. Warren.
 2. "Recent Advances in the Field of Optics." Dr. A. C. Hardy.

CALENDAR

Wednesday, October 28

- 5.00 p.m. — Photo Society meeting in Room 5-130.
- 5.00 p.m. — Freshman rally in Room 10-250.
- 5.00 p.m. — Tech Boat Club meeting in West Lounge.
- 6.00 p.m. — Civil Engineering Society dinner meeting in Grill Room.
- 6.00 p.m. — T. C. A. drive dinner in North Hall.
- 6.00 p.m. — Alpha Phi Delta meeting in East Lounge.
- 6.15 p.m. — Alpha Chi Sigma dinner meeting in Faculty Dining Room.
- 7.00 p.m. — Armenian Club bridge in West Lounge.
- 7.30 p.m. — Sleepy Hollow Boys orchestra rehearsal on East Balcony.

Thursday, October 29

- 4.00 p.m. — Liberal Club meeting in Room 1-190.
- 5.00 p.m. — Sophomore rally in Room 10-250.
- 5.00 p.m. — Banjo Club rehearsal in East Lounge.
- 5.00 p.m. — Institute Committee meeting in West Lounge.
- 6.00 p.m. — Instrumental Club rehearsal in East Lounge.

Friday, October 30

- 6.00 p.m. — Field Day banquet in North Hall.
- 9.00 p.m. — Dormitory dance in Main Hall.

NOTICES

PHOTO SOCIETY

The Photographic Society will meet this afternoon at 5 o'clock in Room 5-130. This meeting replaces the usual Friday hour for this week only.

PI DELTA EPSILON

The publication to be discussed at the next meeting, in East Lounge, Walker, at 5 o'clock, Tuesday, November 3, will be THE TECH, instead of the T. E. N. Plans for a Founders' Day banquet will also be discussed per schedule.

Infirmiry List

Dastas, Luis '35
 Fraser, Miss Lottie

Brooks Hospital

Cahill, Thomas '34

Civilization May Collapse Unless New Aims Had

Educational System Must Give People New Social Aim Says Educator

America has the greatest educational system in history, but unless it supplies a new social aim in today's economic struggle our civilization may collapse, Dr. John Dewey, philosopher and teacher, said in a nation-wide radio address Sunday night, October 25.

Dr. Dewey said education as a key to personal success had lost its meaning with the passing of frontiers and open conquest of a continent. Today, he said, it must cultivate social direction in a machine age where there is no longer unbounded opportunity to the individual.

We Face Many Problems

After reviewing popular education as the cornerstone on which the republic was built and citing the unending need for its adjustment to social orders, the veteran professor of philosophy at Columbia University, and author of many university texts, said:

"The sense of unsolved social problems is all about us. There are problems of crime, of regard for law, of capital, of labor, of unemployment, of stability and security, of family life, of war and peace, of international relations and cooperation — all on a larger scale than the world has seen before. Unless education prepares future citizens to deal effectively with these great questions, our civilization may collapse."

"Invention rather than custom determines the course of events. Our mechanical devices and processes have got far ahead of our capacity to plan and to enjoy — ahead of our minds in short."

SEATINGS FOR FIELD DAY CREWS IN DOUBT

Start Race from Boat House Finish at Technology

Freshman and Sophomore crews, though the seatings at this late date are not certain, are putting in much serious practice every morning before the majority of students have crawled out from under the covers. Since there are no more issues of this paper until Field Day, it will be impossible to publish the crew lineups before the race.

As the crew race is one of the most important events, all men are urged to be present to cheer the crews on to victory. The start is set for 7.45 o'clock, at a point just below the boat house. Taking a general course downstream the crews will row one mile to a finish line which is approximately in front of Technology.

M. I. T. MENORAH WILL MEET WITH SIMMONS

At a meeting of the executive committee of the M. I. T. Menorah Society, on Friday, arrangements were concluded for a joint meeting with the Simmons Chapter of the Menorah Society. The meeting is to be held on Thursday evening, November 5, at 8 o'clock, in the North Hall of the Walker Memorial Building.

Practical experience in motion picture work will be given students at Southern California through the courtesy of a wealthy oil man. Through his financial backing, a club will be formed which will produce two short films and one feature film during the course of the college year.

Three students at Louisiana College for Women shaved their heads completely bare because they had too many dates.

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Courses in aeronautics are now being offered by more than sixty colleges and universities throughout the country.

At the University of Oregon it was discovered that less than two-fifths of the 1931 graduating class was made up of students who had entered the university four years before.

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O. M. D. is this Old Man Depression people are talking about. When you fellows plan a weekend in New York you can forget all about the old boy at the new Hotel Empire.

Rates are from \$2 for one, \$2.50 for two. Quality accommodations, close to everything you want to see in New York.

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Jean Harlow



Jean Harlow first set the screen ablaze in "Hell's Angels," the great air film, and she almost stole the show from a fleet of fifty planes. See her "Goldie," a Fox film and Columbia's "Platinum Blonde."

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