

NEW MEN TO DINE AS GUESTS OF INSTITUTE AT SMOKER TONIGHT

DRAMASHOP GIVES "MR. ANTONIO" AS FIRST PRODUCTION

Tarkington Masterpiece Given by Amateur Group for First Time on Record

TRYOUTS GIVEN TUESDAY

Dramashop has announced "Mr. Antonio," by Booth Tarkington, a comedy in three acts, as the first of its two productions for the coming year. So far as can be determined, this is the first time the play has ever been given by an amateur group anywhere. Dramashop has been trying to obtain the rights for the past four years, but until now has been unsuccessful, because Otis Skinner, who bought the play from the author, has refused up until now to release it to anyone. "Mr. Antonio" is considered by many critics to be the best of Tarkington's plays. It was produced some years ago exclusively by Skinner and has probably never been given by any other professional company.

Professor Fuller, coach of the group since its organization and its leading spirit, stated that there are seven major parts, the first three of these being masculine leads. Beside the major parts there are five or six minor ones to be filled. Professor Fuller is particularly anxious to have a number of co-eds try out for the feminine parts, as it has been the policy of the Dramashop to fill all such positions with co-eds rather than men. All freshmen and transfers who have had previous theatrical experience or are in any way interested in dramatics are particularly urged to come out for the try-outs. New material is one of the great desires of the coach.

Tryouts for all parts in the production are to be held next Tuesday afternoon at 4 o'clock in Room 2-178. Candidates will not be given copies of the manuscript until that time. Following the choice of the players, there will be a period of about six weeks of practice in preparation for the actual production. The date of the first presentation has not been definitely settled and will not be announced for some time yet. Aside from the positions on the cast, there are a number of managerships, such as property manager, settings, electrical effects, and so on, which need men. Anyone interested in this type of work should see either Professor Fuller or J. Cobham Noyes.

The Tech Staff Will Rest Until Wednesday

Since there is a holiday on Monday, no issue of THE TECH will appear on that date, the next edition coming out on Wednesday, October 14.

French Architect Now Serving on Course IV Staff

Robert Camelot Takes Place of Professor Carlu for Three Months

Robert Camelot, distinguished French architect and present holder of the Delano and Aldrich scholarship for French architectural scholars in America, will for the next three months serve as visiting professor of design in the department of Architecture at the Institute.

Mr. Camelot will take the place of Prof. Jacques Carlu, who with Mr. Paul Cret of Philadelphia, has been appointed by the French Government as architect for the building which France will erect at the forthcoming Chicago Exposition.

Fifth Holder

Mr. Camelot is a graduate of l'Ecole des Beaux Arts in Paris, and has had the honor of contending for the Grand Prix de Rome. The Delano and Aldrich scholarship, of which he is the fifth holder, was established by members of the New York architectural firm of that name on the occasion of their organization's twenty-fifth anniversary.

The scholarship, whose purpose is to afford one French scholar annually an opportunity for travel in America, is administered by the committee on education of the American Institute of Architects, of which Prof. William Emerson, head of the department of Architecture at Technology, is a member.

OVER 1200 STUDENTS TAKE PHYSICAL EXAMS

Over 1200 physical examinations have been given in the infirmary during the past ten days, according to figures made known yesterday by Dr. George W. Morse. Exactly 496 completes and 746 re-exams totaling 1242, had been given up to date.

JOHNSON O'CONNOR TO TEST APTITUDES OF COURSE XV MEN

After a Survey of Graduates Tests Determined for Freshmen

WILL HELP MEN CHOOSE

At a meeting of first-year men electing Business and Engineering Administration, it was announced that all freshmen in Course XV will take the "Work Sample" tests offered by Prof. Johnson O'Connor, a new member of the staff of the department. Professor O'Connor will give these tests in his laboratory on Beacon Street in Boston in the endeavor of making each man more certain of his abilities in the various fields.

This development has been instituted by the department of Business and Engineering Administration as the result of an extensive survey of graduates of that course. The study showed that graduates most frequently won outstanding later success when their business and engineering training was supplemented by executive ability of a high order. Such men rapidly attained positions of responsibility while other graduates not so well endowed have pursued work of a technical or research nature for which the other courses at Technology would be more fitting.

Professor O'Connor, who will conduct a graduate course in the measurement of human aptitudes, has been carrying on investigations in this field for the past ten years in connection with the General Electric Company and several large corporations.

As a Wertheim Fellow, he recently devoted a year to the study of executive aptitudes which involved the testing of one hundred and fifty major executives in American and European establishments. For several years, he has acted as vocational advisor to all the graduates of Worcester Academy, and is at present offering similar counsel to students at the Stevens Institute of Technology in Hoboken.

The marks of these work samples will not be entered on the undergraduate record of the student but will be used after graduation. Professor O'Connor's conferences with the freshmen will take place in his laboratory at 381 Beacon Street and will be solely advisory in nature.

In commenting upon the plan, Prof. Robert C. Eddy, who will act as advisor to the incoming class, said: "The most important decision that a freshman makes is his choice of a course. By this plan our Department offers him the most scientific method available for discovering his latent abilities. The course in Business and Engineering Administration provides a specialized training for the management of technical industries."

"Young men who are not naturally fitted for the shouldering of managerial responsibilities may well be equipped to make very valuable contributions in the fields of science or engineering. Such students should not spend time on management subjects. On the other hand, those who have innate executive ability should be doubly encouraged to proceed with this course of study, when their talents are disclosed by Professor O'Connor's work-samples."

WALKER COMMITTEE COMPETITION BEGINS

Competition for four Sophomore positions on the Walker Memorial Committee will begin Monday, October 12. All men who are interested in the work are requested to meet J. Cobham Noyes '32, at the Committee office in the basement of Walker at 5 o'clock.

Secure Tickets in Main Lobby Any Time Today

Freshmen may obtain tickets for the All-Technology Smoker any time today between the hours of 12 o'clock and 5 o'clock in the Main Lobby. The tickets may also be obtained at the door this evening.

Varsity Booters Will Face Yale in Season's Opener

Team Including Six Veterans Entains for New Haven Saturday Morning

Technology's varsity soccer team meets Yale University at New Haven, tomorrow, in its first official game of the season. The team is pointing for this game and expects to take the Yale team into camp. Sixteen men are making the trip, including Malcolm D. Goldie, the coach, and Manager Walter Duncan. The veterans include Capt. Nicolas Velez '32, Norman D. Schulze '32, Robert H. Hansen '32, Gustave E. Kidde '33, Eric P. Newman '32, and Calvin H. Mohr '33.

All men who are making the trip will meet in the Hangar Gym at 6 o'clock Saturday morning. All men who have not been selected to go may accompany the team provided that they pay their own expenses. The transportation, however, is free for these men. Although Yale is reputed to have a strong team, the Tech varsity is sure to give them stiff opposition.

SENATOR TO SPEAK AT SUPPER MEETING

Catholic Club to Hold Supper in Walker Memorial

In the newly renovated North Hall of Walker Memorial the Technology Catholic Club will hold a supper meeting on Wednesday from 6.30 o'clock until 10.30 o'clock. It is expected that Senator David I. Walsh from Massachusetts will be one of the speakers.

On account of the limited size of the new North Hall the tickets will be restricted to about 150 at 75 cents each. They may be obtained from any officer of the Catholic Club. The drive for members has raised the total to 200. The first dance of the Catholic Club will be held in the Main Hall of Walker Memorial on Friday, October 23.

Professor Tucker Discusses Some Advantages Gained in Course XVII

Some of Recent Improvements in Building Construction are Explained

"Course XVII is the most practical course given at the Institute," said Prof. R. F. Tucker in a recent interview. "The graduates of this course require less orientation when they enter business than those of any other course."

Professor Tucker stated that it was the aim of his department to teach enough about building materials and assembly to fit the graduates for advanced positions in the building industry. The Report of the President contains the following comment on the situation: "For many years, builders have complained that the graduates of our technical schools are of little use to them, because they are not acquainted

TICKETS MAY BE OBTAINED TODAY IN MAIN LOBBY

R. K. O-Keith's and Cocomat Grove Entertainers Will Perform

WILL MAKE TWO AWARDS

Several snappy and well-known groups of entertainers will come from the R.K.O-Keith's circuit and the Cocomat Grove Night Club for the entertainment of guests at the All-Technology Smoker tonight in the Main Hall of Walker Memorial.

Tickets will be distributed for the dinner to the freshmen and transfer students today in the Main Lobby of the Institute from 12 till 5 o'clock at the ticket booth; also they will be obtainable at the door. At 6.30 o'clock the turkey dinner will be served for the new men only and at 7 o'clock the doors will be thrown open and the student body in general will be admitted.

Professor Rogers to Speak

Prof. Robert E. Rogers of the English Department will be the feature speaker of the evening. Professor Rogers has been a columnist for the Heart Newspaper chain for the past four months and is well known for his quick and ready wit.

Prof. William C. Green, Jr., another member of the staff of the English Department, will present the cause of the Musical Clubs and the Tech Show. John A. Rockwell '96, a prominent graduate of the Institute, will be the speaker for the competitive sports at the Institute. While a student he was active in the activities about the School.

James R. Killian '26 will give the highlights in the lives of the publications and stress their particular advantages. Mr. Killian is now the Editor of the Technology Review and was, during his Senior year, the Managing Editor of THE TECH.

Will Award Technique Cup

To the man who wins the most points during the Intercollegiate season in track is presented the Technique Cup for his successful work, each year at the All-Technology Smoker. The Schwartz Medal, the award for the best manager, is also to be given. The winners' names will be withheld until the presentation takes place.

Following these talks and entertainment, the new men will have the opportunity of seeing the various activities' offices open. The offices are situated about Walker Memorial, in the basement, and on the third floor. As a final gesture for the evening, the boxing, wrestling and gym teams will give demonstrations in the gymnasium on the third floor.

Enrollment Figures Show Twenty Five Decrease Under 1930

	1930	1931	Change
I Civil Engineering	231	223	- 8
II Mechanical Engineering	362	339	- 23
III Mining Engineering and Metallurgy	101	113	+ 12
IV Architecture	198	163	- 35
IV-A Architectural Engineering	73	54	- 19
V Chemistry	146	156	+ 10
VI Electrical Engineering	521	498	- 23
VII Biology and Public Health	101	100	- 1
VIII Physics	79	124	+ 45
IX General Science	80	77	- 3
X Chemical Engineering	403	402	- 1
XI Sanitary Engineering	13	13	0
XII Geology	18	16	- 2
XIII Naval Architecture	88	111	+ 23
XIV Electro-Chemical Engineering	37	46	+ 9
XV Engineering Administration	345	380	+ 34
XVI Aeronautical Engineering	232	188	- 44
XVII Building Construction	63	68	+ 5
Army Ordnance	10	11	+ 1
Fuel and Gas Engineering	7	9	+ 2
Unclassified	58	50	- 8
Architecture (IV) Fifth Year	0	21	+ 21
Total	3187*	3162*	- 25
Freshman Class	737	630	- 107
Sophomore Class	667	659	- 8
Junior Class	599	618	+ 19
Senior Class	614	623	+ 9
Graduates	512	561	+ 49

*These figures were compiled on the third day of the first term in each case.

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Machine Tool Laboratory is Cause of Much Speculation Among Students

Lab is Called Everything from Model Room to Factory of Technology

Of all the laboratories at Technology, the machine tool laboratory has probably been the cause for the most speculation. This laboratory, located above the hydraulics laboratory, has been thought to be everything from a model room to a private factory. Mr. Arthur B. English, in charge of the laboratory, declares that it is none of these.

Each machine in the hall is similar to a regular machine used in some manufacturing process. Nearly every type of machine that manufactures small articles is found here, and they are studied as their mechanical make-ups and the basic principles upon which they operate.

All Kinds of Machines

The machines are of all kinds: lathes and grinders, welders and planers, to mention a few. There is a device which measures to the ten-millionth of an inch through the use of infra red rays. Almost as accurate are the grinders, which can grind the hardest substance with an error of only one part in ten thousand.

Then there are threaders and screw machines which make screws and other like objects at the rate of 24 a minute. Not the least interesting machine is the one which can turn out 12 gears of the hardest steel a minute.

Presses are also studied. A small, fragile-looking machine in the laboratory is capable of subjecting solids to a pressure of 15 tons per square inch.

Only Cut-Away Model A

Students of automobiles would be interested in this laboratory. In addition to having machines which produce many essential automobile parts, there are various cut-away auto engines, including the only Model A Ford cut-away engine in existence.

Off to one side is the welding department, where iron and brass are welded at a temperature of between 2500 and 3000 degrees Centigrade. Another remarkable piece of apparatus is a little electric device tucked away in the corner, which controls the electrical supply of the whole laboratory.

Many Hand Tools

The machines are so numerous (there are 350 of them) and so varied that they require hand-tools of every description.

At LaSalle College special classes are held in voice culture. Their object is to remove harshness from the voice box.

As automobiles are forbidden on the campus at Smith, the college girls have gone in for bicycles and scooters.

University of Minnesota students beat an Indian war drum during the football game when their team is losing.

STATEMENT OF OWNERSHIP

Statement of the Ownership, Management, Circulation, etc., Required by the Act of Congress of August 24, 1912.

of THE TECH, published tri-weekly except college vacations at Cambridge, Mass., for October 1, 1931, State of Massachusetts, County of Middlesex. Before me, a Notary Public in and for the State and county aforesaid, personally appeared W. H. Barker, 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, to the best of his knowledge and belief, a true statement of the ownership, and management of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912 embodied in Section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the General Manager, Editor, Managing Editor and Business Managers are, General Manager, C. M. Thayer; Editor, A. S. Ellis; Managing Editor, S. R. Fleming; Business Manager, W. H. Barker; all of Cambridge, Mass.

All equipment owned by THE TECH TRUST 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 Street, Boston, Mass.

3. That the known bondholders, mortgages, and other security holders owning or holding one per cent or more of total amount of bonds, mortgages, or other securities are: None.

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5. That the average number of copies of each 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.)

W. H. Barker, Business Manager. Sworn to and subscribed before me this eighth day of October, 1931. William Jackson, Notary Public. (My Commission expires October 31, 1935.)

To supply this need, a very large and complete collection of hand-tools has been assembled. The machines are always kept in perfect repair.

According to Mr. English this laboratory is one of the finest-equipped at the Institute. It represents an investment of about half a million dollars. At no other educational institution in America is there a laboratory of this kind which even approaches the one at Technology for completeness and excellence of equipment.

English as She am Spelt by Ye Innocent Freshman

Dragged out of bed in the middle of the night, stood on a desk surrounded by a group of ferocious Sophomores, and urged in no uncertain terms to lift his voice in song, what can a poor bewildered freshman who failed to attend the unintentional bon mots (Greek for fast ones or boners).

Some of the unwitting Carusos found the going a little tough during their rendering of "Take Me Back to Tech," and resorted to their interpretation of the spelling of "Institute" and "Technology." One thought the final "e" totally unnecessary, and as a budding engineer, striving for efficiency, he left it off altogether, discarding the trifle and leaving "Institut" as the new and preferred spelling. Another, evidently an advocate of the phonetic method, gave "Teknology" in his rendition.

An example of what even a sleepy and grouchy freshman, chastely clad in a pair of pajama trousers can do on the spur of the moment is this snappy rejoinder, wholly unintentional. To an offer to shake hands with one of the Sophomore committee whose pleasant duty it was to bring straying freshmen back to the path of righteousness, he replied as he settled back into his blankets, "Naw, it's too late."

SQUASH TEAM NEEDS MORE CANDIDATES

1931-32 Will Be First Season As Recognized Sport

There is still a great demand for freshmen to turn out for the squash team. This year, for the first time, squash is a recognized sport at Technology. For the last four years, a few undergraduates have played unofficially, paying their own traveling expenses. Now, however, the M.I.T.A.A. has given squash provisional recognition. Team members will receive minor awards and the corresponding letters, and members of the freshman team will receive class numerals.

An Intercollegiate Squash Racquets Association has been organized, and Technology is a recognized member of that body as well as of the Massachusetts Squash Racquets Association. The M.I.T. varsity schedule will offer from ten to twelve games in the "C" and "D" divisions. The freshmen will carry a similar schedule.

Squash racquets is coached at the Institute by Mr. John L. Summers, and has constantly gained in popularity among the faculty and undergraduates here. All those who are interested should go to the squash courts behind the track house and see Mr. Summers.

When a freshman at St. Benedict's College, Atchison, Kansas, meets an upper-classman, he now doffs from his unsophisticated locks an Empress Eugenie hat, resplendent with purple and white plumes, instead of the traditional little green cap. The stranger, dropping into town, must get the impression that Dad's old derby has had a litter of pups.

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OUR FLOUTED BANNER

LAZY moments occupy a considerable portion of every man's time. The general public seems to register no complaint against the moving picture, the world series, and the funny paper. There are times when we all pause in our mad course toward self-perfection to indulge in easy-going whileaways. Yet, on the other hand, the man who makes an extra show of ambition receives more than his share of ridicule. Technology's brown bag, a tradition as strong as the stars and bars, must ride storm after storm of derision, but pushes forward in spite of its battle-scars.

Are we therefore to assume that in the end Technology offers a snug harbor to those rare individuals who were born with, and will in all probability die with, textbooks in their hands? Our better judgment can conceive of no other answer. Arising out of such a state is the never-ceasing plea to draw these men into the struggles common to their fellow men, and to push them into the happy march toward an education founded on the principles for the unification of mankind. We might just as well beg Paul Revere to re-enact his famous excursion. We still see our brown-bag in the corridors, a dirty, overstuffed, loosely-strapped object borne by an individual who appears as though he, too, may burst any moment.

True enough, the brown bag has become the herald of the typical Technology student, the man who at the expense of his own individuality, throws himself with admirable fervor into the thoughts and viewpoints of the scientists, and emerges a perfect textbook, a human encyclopedia of things physical and material, and with no more appreciation for ethics and the ecstasies of the arts than a moron. Such is our peculiar status, but why continue impassioned censure that meets no positive reaction?

THE PASSING SHOW

TECH SHOW, that once great undergraduate activity and proverbially the "hardy perennial," now finds itself facing difficulties in the meeting of which is endangered its continued functioning. Financial difficulties, however, would seem to the casual observer a rather misleading excuse for the disbanding of an organization which at one time ranked highly among the Institute's more popular social functions. Obviously, the time has come for this organization to stand forth with a gentlemanly gesture and to admit that under present conditions the Show cannot go on.

The day for this type of entertainment has long passed. In spite of the fact that at several educational institutions attempts are made toward student musical comedy, and that in the main such productions enjoy a measure of success, Technology no longer seems to be amused at the spectacle of hulky frames draped in finest silk. At one time as the culmination of the social extravaganza of Junior Week in which the proper atmosphere was carefully created for original music and home talent, Tech Show usually received more of an ovation than was expected. At present, not only is the proper enthusiasm lacking in the student body, but the members of the Show itself have given in to producing a half-hearted and poorly constructed revue, entirely devoid of taste and finesse.

There are, therefore, more reasons for demanding that Tech Show lower its curtain than the apparently unpreventable careening of its accounts into the red. While there may be talent in the student body which might compose and produce a show that does not border on absurdity, with the Show in its present state there is no attraction to draw any great amount of such talent into its membership. The result of such a state is portrayed in the steadily declining quality of Tech Show productions in the last few years.

Through the Budget Committee, in its audit and subsequent report on the 1930 Balance Sheet for Tech Show, the Show might well be brought to a sudden end. The arguments against its continuance are put forward with a view to disbanding a function that can no longer properly contribute even a transient benefit to its members or to the student body at large.

Advertisement for Webster's Collegiate dictionary, recommended by the English Department of Massachusetts Institute of Technology. Includes image of the dictionary and text describing its features.

ALL FIRST ROUND MATCHES MUST BE PLAYED OFF TODAY

Less Than Half of First Round Matches Have Been Finished

LIMIT IS FIVE O'CLOCK

As the first round of the Fall Tennis Tournament draws to a close, we find that less than half the scheduled matches have been played. According to the rules of the tournament, all matches should be played by 5 o'clock this afternoon. Those men who are entered and have not played their matches should get busy. If they do not play off their matches, they will be defaulted.

The fact that there are more entered in the tournament this year than in former years would seem to indicate that the prospects for the team should be better. In fact, Coach Summers says that Tech should have a fair team this year. The veterans who have returned are Capt. F. Feustel, T. W. Regan, and H. F. Ross. Frank Dame and Jones were Nos. 1 and 2 on last year's squad. Two members of last year's frosh team who are back are L. Lammers and J. Eder. These five men will probably form the nucleus of the team, although there are many other good men out.

The rules and the regulations of the tournament as made out by Coach Summers and Manager Babcock are as follows:

- (1) All first round matches must be played by 5 p.m., October 12.
- (2) Second round matches must be played by 5 p.m., October 15.
- (3) Third round matches must be played by 5 p.m., October 19.
- (4) Fourth round matches must be played by 5 p.m., October 19.

This year's tournament is to be run off in as little time as possible, and is not going to be the long-drawn-out affair that it has been in the past.

Following are the results of first round matches which have been played to date. E. N. Poor beat D. Corson 6-1, 6-2; A. C. Darcey beat R. M. McCrae 6-2, 6-0, R. H. Winter 6-2, 6-4; C. J. Williams beat P. C. Greuter 7-5, 6-1; W. R. Houk beat L. B. Simon 6-2, 8-6; D. R. Cutler beat Brockman 6-4, 6-2; E. Higgins beat B. Wilbur 6-3, 6-4; C. Marvin beat R. Ripin 6-0, 6-0; J. Wetsfall beat A. Conn 6-0, 6-2; No. 3 F. Feustel beat P. Wetherill 6-1, 6-2; No. 4 R. Hanley beat S. Britton 6-2, 6-0; N. Hansen beat A. Reed 6-4, 6-4; A. Hayden beat G. Rich 6-1, 6-2; S. Spragens won his matches 6-0, 6-0; W. M. Jones beat T. C. Johnson 6-4, 6-4; C. Lytle beat W. McKay 6-0, 6-1; J. Platt beat B. Lapedus 6-4, 4-6, 7-5; F. Koerner beat E. C. Taylor 6-2, 6-1; A. Uhrmicher beat W. Potter 6-1, 6-2 and No. 1 H. F. Ross beat F. Vaughan 6-0, 6-1.

CLASS CREWS HOLD REGULAR PRACTICE

Anticipation of Field Day Race Is Basis of High Spirits

Ever since the beginning of school this year the freshmen and Sophomore crew candidates have been practising ardently for the forthcoming race on Field Day, October 30. Two shells have been out regularly under the guidance of Asst. Coach Dunning and Richard H. Valentine '33.

This year's Sophomore crew consists mostly of men from the 150-pound freshman crew of last year which had a very successful season. The freshman crew, which for the most part learned the rudiments of the art of stroking and feathering under the watchful eye of Coach Bill Laines at the freshman Camp, seems to be picking up quite well. As a result of the opportunity to get the general feel of rowing in a shell which was afforded all new men before college opened this fall, there is always been an abundance of enthusiastic candidates at the boathouse during regular practices. This year, as in all previous Field Day races, the two crews will row the measured mile with high spirit predominating, each hoping to score the first points towards winning the laurels the day.

Five hundred thousand dollars which he left in his original will bequeathed to Yale University, will go to Lehigh University instead, under a codicil discovered in the will of the late Dr. Charles W. MacFarlane, economist and engineer, who died in May.

SPORTS DESK

Saturday brings the first event of this year's track season, when Oscar Hedlund takes his men out on the cinders and puts them through the paces of a six-event handicap meet. Men will be judged on the basis of their past performances, and in the cases of new men, their first week's work will be the standard. There are a few entries now, and it is strongly urged that everyone gets out to start the season off.

Charlie Hall, to judge ability by ambition, will run away with the score. He has entered five of the six events, and has everyone scared. If all the other men who have been practising the last week or two would show the same energy, the meet would be one fast and furious affair.

There are to be three field events and three track events, to give all the new candidates a chance to get lined up on the different divisions. Shot, discus, and high jump will be run off under the direction of Field Coach Bob Bowie, and Oscar Hedlund will superintend a 75-yard dash, a 150-yard dash, and a 600-yard run.

Among the freshmen who have shown up so far, there is a good number who have signified their intentions of competing in the field events, many of whom have excellent high and prep school records. In the javelin, Johnson of Andover, and Dixon of Westminster have made enviable throws in school, and have shown the early signs of more to come.

In the pole vault, there are three known capacities in Burnett of Westerly, Curtis, and Harold Dixon. The hammer has numbered among its candidates Willard Crout from Milwaukee and Prestwich from Mercersburg. Crout's older brother, who graduated from the Institute in 1930, set some remarkable marks in the hammer throw, and it is to be hoped that his brother will carry on the tradition.

Crout is also entered in the Shot, along with R. C. Madden of Gardiner and F. B. Lovering from Exeter. In the high jump there are three men out at work now for the first-year men, Carr, George Bartlett, and Fox. Bartlett has done some nice jumping at Newton High during the last few springs, and with the added impetus of a full training year, he should shape up well.

In the broad jump, the men have a unique mark to shoot at. Last year's frosh, headed by Walter Wrigley, revised the Institute records for freshman broad-jumping, and brought the mark well up into the Intercollegiate territory. If Sam S. Fox, D. A. Williams, or Paul Germond is able to increase further this record, they will have a great deal of jumping to do.

Greenlaw of Andover, H. H. Prestwich, and Oscar Weidemann are the candidates for the discus, and they have been out at the field often, getting into trim. Considering everything, Coach Bowie says that he is pleased with the showing to date. When Physical Training gets started, of course, there will be a new throng at the gates of the track house.

Basket ball is operating without a coach this early in the season, but if P. T. McCarthy would drop around at the gym almost any afternoon now, he would be surprised at the number of men at work. Many of them are coming regularly, and have gotten into remarkable form already. This shows what the enjoyment of a game does for a person.

Coach Jay Ricks, the wrestling mentor is in regular attendance at the gym afternoons now, and is training about twenty-five of the varsity men. A few freshmen have come out for a workout or two, but there are none reporting every night as yet.

Since the fall term started, the promised volley-ball courts behind the dormitories have been completed, as well as the courts (?) for badminton.

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CROSS-COUNTRY MEN WORK OUT ON CINDERS

TECH BOAT CLUB ENTERS BOATS IN BOSTON REGATTA

Senior and Sophomore Shells Compete With Other Boat Clubs

CREWS OUT IN MORNINGS

Columbus Day the Technology crews will have their first taste of competition, rowing as the Tech Boat Club, in a Boston regatta. Senior and Sophomore crews will enter into competition with crews from other Boston clubs, including one Harvard crew.

The eight-oared shell race, the big feature of the regatta, is only one of numerous races, which include single and double scows, four-oared shells, and others. Prizes for the winners are given by the City of Boston. The regatta is sponsored by the Union Boat Club.

Varsity men comprise the majority of the men rowing as the Senior boat. This will be the strong representative of the Tech Boat Club. The Club, by the way, is an organization for undergraduates to promote interest in rowing here at the Institute.

Morning practices the past two days have given the varsity plenty of chance and daylight to practice. Wednesday morning the early rowing started for both the freshmen and varsity.

Last season's varsity and junior varsity shells have combined forces to make for a complete crew in the regatta. John Lawrence, captain of crew for this season, will row in his usual place of No. 2. The whole crew is as follows: Trimble, Lawrence, Pleasants, Hapgood, Torbit, Regan, Glenn, and Valentine. Dunlap is the cox for the shell.

As a Sophomore crew, various members of last year's frosh crew have been picked. Men on this crew are Jordan, Lidoff, Moomaw, Joel, Reiss, Murphy, Sprigen, and Woodbury. Woodhall has been chosen as coxswain.

Six freshman boats have been putting out on the Charles these fall mornings, along with the regular three varsity shells.

Four of these boats are heavy, with two light fifty shells, and a conglomeration of both light and heavy men in the barge.

Varsity men have been working out in the regular light shells, while the freshmen are still practising in lapstreak barges. Then the old barge has been put into action again to accommodate the overflow of the first-year men from the six boats. About seventy men have been out consistently.

FROSH SOCCER TEAM PLAYS QUINCY HIGH

Technology's freshman soccer team will meet Quincy High School tomorrow, at 2 p.m., in an informal game at the Coop Field. This will be more or less of a practice game with those varsity men who do not go to Yale participating also. Quincy High School is reputed to have a good team and is expected to put up a good battle. The scrimmage should help to toughen the men and get them in trim for their hard schedule.

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CALENDAR

Friday, October 9

6.30 p.m.— All-Technology smoker and dinner in North Hall.

Saturday, October 10

2.30 p.m.— Handicap cross-country run at Technology.
2.30 p.m.— Freshman soccer with Tufts at Technology.

Tuesday, October 13

5.00 p.m.— Banjo Club rehearsal in East Lounge.
6.00 p.m.— Instrumental Club rehearsal in East Lounge.

SOCCER

All men who are making the trip to New Haven for the game with Yale, Saturday, will meet at the Hangar Gym at 6 o'clock that morning. As the Gym will not be open at that early hour, it will be necessary for the men to get their uniforms from the lockers Friday afternoon.

LAST CALL FOR FIELD DAY TEAMS

Candidates for Sophomore and freshman football teams should report for practice at Tech Field at 5 o'clock any afternoon. Men who play on the winning team will get their class numerals. This should be an added incentive for more men to report.

SOPH AND FROSH RELAY TEAMS

There is still a lack of Sophomores and freshmen for both relay teams. Anyone who intends to try out for the teams must report at once, otherwise he will not be allowed to compete in the Field Day race. Members of the winning team will be awarded class numerals.

BASKET BALL SUBSTITUTION

Those freshmen who wish to substitute basket ball for Physical Training must sign up in H. P. McCarthy's office before October 23. Freshman candidates for the position of manager are needed.

TECH PHOTO SOCIETY

The Photographic Society will meet today at 5 o'clock in Room 5-130. The meeting is open to all students who are interested in photography. New members are requested to submit for constructive criticism any work they have done.

FRESHMAN P.T. SUBSTITUTION

Freshmen wishing to substitute track for P.T. must sign up in H. P. McCarthy's office any morning before noon, October 23. Physical fitness cards must be presented. Roll cards must be turned in at track house.

Harvard University had a registration of 7905 students on the first day of the current school year. This sets a new record for registration.

Scientists at Perkins Observatory at Ohio Wesleyan University hope that before the solar eclipse visits this part of the country next year they will have ready for use the mammoth 69-inch mirror, the third largest in the world, now being installed in the observatory.

Graduates Affected by Depression Says Locke

"Although the present business depression has decreased the college graduates' chances of obtaining a position, I believe that the graduates of Technology have not been affected to so great a degree as have those of other colleges," said Col. Frank J. Locke, head of the Personnel Department, in a recent interview.

Colonel Locke said that the inquiries received are now for men with research ability or highly specialized training rather than for engineers for regular routine work.

The fact that there are 49 more graduate students now at the Institute than there were last year substantiates Colonel Locke's belief that some of those graduates who were unable to obtain positions have returned to the Institute for further study.

DISCUSSES BUILDING CONSTRUCTION WORK

(Continued from Page One)

Answering a question as to what was the best material for dwelling construction, Professor Tucker remarked that nothing more suitable or economical than wood had been found. Various other materials are more durable, but they are all too expensive. In Professor Tucker's opinion, there is much to be done, not only in developing new and better building materials, but also in finding better methods of construction. As an example of the need for better construction, he cited the

question of windows. As he sees it, the ordinary wood sash window is entirely unsatisfactory, since it does not provide sufficient ventilation in proportion to space used and also because it is mechanically very imperfect. The casement window is better in regard to ventilation, but is even more troublesome mechanically than the ordinary window. None of the present types of window are entirely satisfactory, and much might be done in an effort toward improvement.

When asked along what lines he expected materials to be improved, Professor Tucker asked his questioner to hand him a piece of concrete lying on the desk. Observing this reporter's surprise at the lightness of the material, Professor Tucker explained that this type of concrete, called "aircrete," was made by blowing air through concrete before it had set. He said that when several stories were to be added to a building in New York, already completed, the engineers in charge found that by using aircrete they could add seven stories, instead of the expected two. "There is room for much improvement in building practice," Professor Tucker stated. "We hope soon to have facilities for research work in methods and materials of building construction."

Famous Engineer to Talk on Canal Today

Mr. Henry Goldmark, Builder of Lock Gate Speaks in Room 5-330

Students of the Institute will have an opportunity to hear Mr. Henry Goldmark, the distinguished civil engineer and builder of the lock gates of the Panama Canal, this afternoon at 3 o'clock in Room 5-330. The Deeper Waterways Commission, with which Mr. Goldmark is connected and which is holding a dinner today at the Hotel Statler, has recently been discussing the question of the widening of the

Cape Cod Canal. It is felt that this lecture will be of extreme value to students in the Mechanical Engineering, Civil Engineering, and Naval Architecture courses. Mr. Goldmark will lecture on the design and construction of the Panama Canal lock gates.

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