

## ADVISORY COUNCIL MAKES AWARDS AT MEETING LAST NIGHT

**Manuel Ruiz '26, Given Straight  
"T"—Other Awards To  
Soccer Team**

### DISCUSS TRAINING RULES

**Manager of Beaver Ball Team  
Announces Tentative  
Schedule**

Fourteen minor sport "T" awards and one straight "T" award were made at the meeting of the Advisory Council on Athletics held at the Engineers Club last night. All of the awards were made to members of the Technology soccer team, the straight "T" going to Manuel Ruiz, star center of the engineer eleven for the past few years. Ruiz is already a wearer of the "T" and the award made last night therefore carries with it a star.

Men awarded the minor sport "T" are A. K. Sun '25, L. A. Arana '27, Carlos Arellano '25, Stanley Cheney '26, Amund Enger '27, W. C. Hsin '25, H. W. Jones '26, Arthur Marques '26, F. C. Martinez '26, J. C. Sacco '27, Carlos Young '26, Manuel Ruiz '26, G. L. Bateman '25 and Manager A. L. Entwistle '26.

### Rules Discussed

The council dealt at considerable length with the question of disciplining members of Technology teams who break training rules. According to Dr. A. W. Rowe '01, secretary of the council, the man who does not train is a plague spot of institute teams and has a demoralizing effect on the members of the team who are doing their best to keep physically fit.

It was emphasized by the council that disciplinary rules were already in force and that it was not their desire to change these regulations, their intention being merely to establish suitable machinery for the enforcement of these regulations. The captains and managers will hereafter be held respon-

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## P. E. ALGER DISCUSSES A. C. CURRENT MOTORS

**Will Deliver Lecture Today on  
"Effects of Harmonics"**

In his lecture yesterday on the subject "Development of low current starting Current Motors," given in room 4-231 at 4 o'clock, P. L. Alger of the General Electric Co. gave a historical sketch of the development of low-current high-torque motors from high current high-torque motors. These motors are built from practically standard parts. Alger explained the need of low starting current A. C. motors and the advantages of the new types. The development of the theory of the rectangular squirrel cage type was shown.

Mr. Alger will give another lecture today in room 4-231 at 4 o'clock on the subject "The Effect of Harmonics in the Operation of Induction Motors." The lecture will include a discussion of the origin of harmonic fields in A. C. motors, their classification, and illustrations of their effects. Two or three General Electric Co. engineers will be present to take part in the discussion.

The next lectures in this series will be given by Dr. S. Dushman on "Recent Aspects of Bohr's Theory" on February 17 and 18.

## M. E. SOCIETY TO SHOW UNUSUAL MOVIE TODAY

"The Making of Continental Motors," will be the subject of today's moving picture in the series being given by the Mechanical Engineering Society. It will be given in room 5-330 at 4 o'clock this afternoon, and will be open to everyone at the Institute.

The picture is in four reels, and will therefore last the whole hour. It shows the working of the internal combustion engine, and also the operation of the Continental Motors plant. The picture was originally secured for the use of the Automotive Engineering course, but as it was not available at the time it was wanted it was given to the Mechanical Engineering Society to show.

## MILITARY BALL WILL BE HELD FEBRUARY 20

Arrangements have been completed for the annual Technology Military Ball to be held in the main hall of Walker on February 20. The dance will be a uniform affair and all students enrolled in the Advanced R. O. T. C. course at the Institute, and Army and Navy officials both at Technology and the Army Base and the Navy Yard are invited to attend. Admission is \$2 per couple and tickets may be obtained from members of Scabbard and Blade and at the Military Science Department headquarters.

According to the present plans, such decorations as may be permitted will be made by the committee in charge. The date chosen was considered appropriate for the occasion, being between Lincoln's and Washington's birthdays. Music will be furnished by Hackett's Orchestra.

## TECHNIQUE PUSHES SIGNUP CAMPAIGN

**Year Book Sells One-third of  
Quota in the First Two  
Days of Drive**

Technique has sold one-third of its quota of 2000 signups in the first two days of the drive. The managing board wishes to correct the impression that some Institute men have that the year book is still a Junior publication as it is in some schools; it is an activity in which all classes participate.

No signups will be sold after one o'clock Saturday at the present price of one dollar. The cost advances to two dollars after that time. The number of departments in the book depends to a large extent upon the number of subscriptions received, and it is upon the success of this campaign that the inclusion of some special features depends. It is the opinion of the Technique staff that the quota set for the number of signups is a small percentage of the number of Technology students as compared with the quotas set at other schools. The display in the show window of the Technology Branch will be continued for the remainder of the week.

Only about two-thirds of the "Wandering Greeks" at the Institute have registered in the book placed in the main lobby for that purpose. Technique asks that all who have not done so sign up at once so that the "Wandering Greek" section may be completed.

## MR. COPITHORNE AGAIN GIVING HIS READINGS

M. R. Copithorne, of the Department of English, will resume his reading for Technology men in the library of Walker, tomorrow evening at 6:45 o'clock. The readings, which are to be held on the four succeeding Thursdays, as well as tomorrow evening, will be from the prose and verse of modern men of English letters.

These readings will be in memory of William Eastman, Jr., '18. Mr. Copithorne did not give any readings last year, the last being held the year before. Tomorrow night the reading will be from the works of Sir J. M. Barrie and will last about an hour.

## PROFESSOR WHITEHEAD SPEAKS ON "SCIENCE AND CIVILIZATION"

Professor A. N. Whitehead, F. R. S., spoke on "Science and Modern Civilization" at Rogers building last Monday night, in the first of a new series of Lowell Lectures on "Science and the Modern World." The lectures will be held on Mondays and Thursdays.

During the 16th century, according to the lecturer, there occurred the beginning of a new "mentality," a new outlook on life, and this new mentality was of more importance than the new technology, since "there can be no larger science unless there is a widespread faith that there is a universal law running through all nature."

Modern science, declared Professor Whitehead, began in Europe but has spread over the entire world. The West can give to the East the scientific attitude of mind, and more and more is science being diffused from country to country. And although the study of

## DEPARTMENT HEAD GIVES TOMORROW'S TALK TO FRESHMEN

**Some Graduates Whose Records  
Are the Highest Fail  
To Make Good**

### PERSONALITY NECESSARY

**"Activities and Work in Shops  
Develops the Ability To  
Get Along"**

Tomorrow's freshman lecture will be given by Professor E. F. Miller '86, head of the mechanical engineering department. "Some of the best men don't make good," he said, "because they are not good mixers, do not know how to sell their services, and antagonize the men under them. For this reason, only one out of a 100 prospective employers asks for a man's record. They want to know what his classmates thought of him, if he was popular, and whether he would be the kind of man that would fit into their organization."

The lecture will treat of the fields covered by the engineering profession, and how they all tie together. The mechanical engineer can't go very far without having to call in the electrical and chemical engineers, and the same with the others. The student must have the fundamentals of all the allied branches in order to be a success. The average graduate can and often does shift from the branch he has studied into another line. Professor D. C. Jackson, of the electrical engineering department, graduated a civil engineer.

### Activities Are Valuable

The chances of getting a job will be discussed. Already a number of Seniors have their positions waiting for them; by June 90 percent will be employed, and unless business conditions are very slack, the remaining graduates will all be placed before the end of the summer. Professor Miller remarked, "It sometimes happens that a firm will have Seniors write them a business letter, from which they judge the man." He told how one conceited Senior kept himself from being employed by boasting at such great length on his great ability.

On being asked what were the best ways to become a good mixer, and lose such conceit, Professor Miller said, "Activities, and getting out during the summer and working in shops. If a man doesn't fit, the workmen will make life unpleasant for him until he does."

When asked if a man working his way through school was at a disadvantage, he said, "No, employers sometimes specify that they want just such a man. In the old days men came to Technology for what they could get out of it, but now there are some here who have been sent by their parents because they think that the reputation of the Institute will guarantee success. I have heard mothers say, 'I'm sure Willie will make an electrical engineer because he is always rigging up bells around the house.' Now the boy might make a good electrician or wireman, but he might not make an electrical engineer. An employer is sure that the students who work their way through are here to make the most out of it."

## Executive Who Talks To Seniors Tomorrow



C. F. Kettering

## COURSE III FOUNDER SPEAKS TO MINERS

**Professor R. H. Richards, '68  
Sketches Early Development  
of Technology**

Professor R. H. Richards '68, former head of the Department of Mining and Metallurgy, spoke to the Mining Engineering Society last evening at their meeting held in the West Lounge of Walker. He spoke about the development of the Mining Department from the time of its inception in 1871.

During the '60's, President Rogers got the Institute well started and when he retired in the '70's the younger men came forward and took part in the development. In 1871, President Runkle accompanied by fifteen students and professors, made a trip across the country on which five western mining states were visited. A mining machinery manufacturer gave apparatus for the new laboratories, and two students were left in the west to study the milling of gold and silver.

On the return to Boston, Professor Richards was put in charge of the mining and metallurgy laboratories. He described the difficulties he encountered in getting the course into operation.

In 1873 Professor Richards was called upon by the Faculty to reorganize the courses at Technology which then numbered six, his committee being the one which decided that the number of hours of preparation as well as the number of hours of exercises should be fixed.

When he was secretary of the Faculty in 1878, he introduced the use of

(Continued on page 4)

## T.C.A. OBTAINED JOBS FOR MANY LAST MONTH

According to the report of the A. C. A. employment bureau for January, thirty-nine students were furnished with temporary jobs of a few hours duration, paid at the rate of 50 cents per hour. These jobs included washing windows, cleaning halls and general labor. Eleven students were furnished with permanent positions for the remainder of the year these jobs included minding the furnace and tending a poodle dog. Twenty-five of the permanent positions were held over from December.

The average amount earned by the students during the month was \$18.50, indicating that men holding permanent part time positions, most of whom were actually in need of all they could make, are making a satisfactory wage.

Bible study groups will continue to meet Fridays, but any students unable to be present Friday, but who would like to study the Bible are urged to leave their names with W. M. Ross in the T. C. A. office. If enough students report to the T. C. A. office a class will be started under the direction of G. A. Drew '25. Another section for Chinese students only under the charge of N. C. Hill '26 will be formed if enough of these students leave their names at the T. C. A. office.

The classes will meet in the following rooms: D. A. Shepard's class in the committee room in Walker; D. H. Keck's class in room 10-275; H. Brownings' class in 10-267.

## C. F. KETTERING WILL GIVE FIFTH ALDRED LECTURE

**Talks To Seniors and Graduates  
Tomorrow in Room 10-250  
At 4 O'clock**

### INVENTOR AND EXECUTIVE

**Heads General Motors Research  
Corporation and Delco  
Company**

C. F. Kettering, president and general manager of the General Motors Research Corporation, will deliver the fifth Aldred Lecture of this year's series in room 10-250 tomorrow afternoon at 4 o'clock. In order that Seniors and Graduate students, who are invited to attend, may do so without missing any of their work, classes for these men will be suspended at the hour of the lecture.

Although no definite subject has been announced, the speaker will probably give an engineer's viewpoint of the automobile industry, presenting his material in a non-technical way. It is possible, too, that he will include some of the impressions gained by him in his recent trip to Europe. In accord with the original purpose of the Aldred Lecture series, it is expected that some information will be given to the men regarding the present needs of industry and future prospects for the graduate of an engineering school.

Mr. Kettering is a graduate of the electrical and mechanical engineering courses at Ohio State University. Shortly after his graduation he entered the employ of the Star Telephone Company at Dayton, Ohio, later joining the electrical department of the Cash Register Company. He is the inventor of the starting, lighting, and ignition device for automobiles now known as the "Delco System." He also invented, perfected, and put on the market the "Delco-Light" for lighting farmhouses.

In 1914, Mr. Kettering was an organizer of the Dayton Metal Products Company. Aside from his being the head of the General Motors Research Corporation, he is also president of the Dayton Engineering Laboratories Com-

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## NOMINATIONS MUST BE IN BY NEXT SATURDAY

**Senior Week Elections Will Be  
Held Week From Today**

Nominations for the election of the Senior Week Committee and the Senior Class Day Marshals which is to be held a week from today, on February 11, are due in the Information Office between the hours of nine o'clock next Friday and one Saturday.

Twenty-five members are to be elected for the Senior Week Committee and three to the position of marshal, the work of the latter being separated from that of the committee. Nomination papers for candidates for marshal must have the signatures of 25 sponsors, but those of the candidates for the committee, only 5 signatures. The nomination papers must be in the following form: "We, the undersigned members of the Class of 1925, do hereby nominate..... for..... of our class." The signatures of the sponsors must follow, with a statement signed by the nominee himself to the effect that he accepts the nomination.

It is possible for a man to be a candidate both for marshal and for a position on the committee. In such a case, he must submit nomination papers for each position. The chairman of the Senior Week committee will be selected by the committeemen themselves after their election.

## CALENDAR

Wednesday, February 4  
1:00—Pistol Club classes, room 10-271.  
4:00—Mechanical Engineering movie, room 5-330.  
7:30—Tech show orchestra rehearsal, north hall, Walker.  
Thursday, February 5  
11:00—Freshman lecture, room 10-250.  
4:00—Aldred lecture, room 10-250.  
8:00—Electrical Society meeting, room 5-330.  
Friday, February 6  
3:00—Automotive Engineering Society meeting, room 10-267.  
8:30—Dorm dance.



# FAST COMPETITION IN K. OF C. MEET SATURDAY

## Engineer Relay Runners To Meet Brown—Frosh Team Will Compete with Harvard

### Same Teams Will Run as in the B.A.A. Games Saturday—Wiebe Promising Entrant In the Forty Yard Dash

Now that the B.A.A. games are past history Coaches Hedlund and Connors and their Technology track team have settled down to a week of intensive training in preparation for the Knights of Columbus track meet which will be held on Saturday evening in Mechanics Hall, Boston. These games will bring together some of the crack track athletes of the country and will furnish interesting competition for the engineer team.

In general the same squad of engineers will run for Technology as represented the Institute in the B. A. A. games last week. Three engineers will run in the special invitation meet which promises to bring together some of the fastest men that the colleges have to offer. Jack Weibe, Shiapp and "Spud" Miller are entered by Technology in this event.

**Bailey Entered in 600**  
Greatly impressed by the showing which Weibe made in the sprints in the B. A. A. games, Coach Os Hedlund is expecting great things from the cardinal and gray flier. Weibe's showing last Saturday was little short of phenomenal. Not for a long time has a Technology sprinter faced the starter in the 40 yard finals at the B. A. A. After he had run a sensational heat against Lor-

en Murchison and Norton of Yale, he stacked up in the finals against Frank Hussey, the Stuyvesant High schoolboy who has been leading some of the best sprinters in the country to the tape.

Miller and Shiapp, the other Technology entries in this event are freshman sprinters of which a great deal is expected. Arnold Bailey who came off with third place in the 1000 yard run at the B. A. A. games Saturday, is entered in the 600 yard contest and should give a creditable account of himself in this event.

**Relay Runs Brown**  
"Hank" Steinbrenner, a Sophomore, is entered in the 45 yard high hurdles and is another of the engineer track men who is expected to come through. Steinbrenner, as a freshman, broke the yearling records in both the high and the low hurdles—marks which had stood for a number of years without revision.

Saturday night the varsity mile relay stacks up against Brown University. The Providence institution is reputed to have an exceptionally strong team this year and one that promises to give the engineers a stiff tussle. The showing made by the runners at the B. A. A. games gives the favor to the home team.

**Kauzman Replaces Jeppe**  
In all of the meets this season, Technology's relay runners have shown a marked lack of training in baton-passing and in the meet with the Harvard team Saturday several yards were lost on this account. In view of the fact that the crimson runners won by a few yards only, the loss thus made was especially unfortunate.

Captain Leness, Glenn Bateman Kauzman and Howlett will be ready to start for Technology when the mile relay event is announced next Saturday. Captain Leness will in all probability run in anchor position his reputation as last man being further enhanced recently by his showing in the games last week. Cutting down a lead of 30 yards to one of five or ten in a 440 yard run is no mean accomplishment.

**Catholic Relay Interesting**  
Along with the varsity, the freshman baton passers will meet the Harvard yearlings in a race which promises to be as full of thrills as will the varsity engagement. Technology has a better balanced team than has the crimson as evidenced by the showing made in the Harvard Relays a few weeks back but Captain O'Neil, the Exeter flyer, will constitute a stiff opponent who will be hard to beat. The freshman team will be chosen from Kirwin, Meagher, Bennett, Churchill and Swartz.

One of the most interesting outside engagements of the meet will be the one mile relay meet for the Cardinal O'Connell trophy between Georgetown, Boston College and Holy Cross. Numerous other engagements will furnish an evening as full of thrills as the recent attraction at the B. A. A. meet when Nurmi paced the boards.

Dormitory bowling teams were fairly evenly matched Monday night when six dorms came together for the weekly, bowling matches in Walker Monday night. Runkle took the measure of Crafts 3 to 1. Nichols defeated Ware 3 to 1 and Atkinson and '93 tied at two a piece. Chase of '93 bowled the highest single string with 109.

## WRESTLERS HAVE BRIGHT OUTLOOK MENTOR ASSERTS

### Coach Carlson Believes Team Capable of Winning New Englands

## MANY MEN ARE VETERANS

Technology now has one of the best and fastest wrestling teams it has ever produced. In the opinion of Coach Carlson, Technology has a well balanced team and should stand an excellent chance for the intercollegiate championship of New England. Of course injuries will cripple any team but at present time the men have come through the meets without any hurts and are in the pink of condition.

The New England intercollegiate championship belongs at Tech and strenuous efforts will be made to insure its staying where it belongs. At present there are three teams entered for the event. These are Harvard, Brown, and Technology. Dartmouth used to be in the league but the sledging got too hard for the Green and they were forced to drop out. In the three years the league has been going Tech has won it twice. Brown was the lucky one that wrestled it away on one occasion.

**Will Meet Army**  
While prospects are bright this year the future is not crowned by any dim aurora. Most of the men on the team are Seniors and that means that there are going to be some vacant berths next winter. The men who want positions on that team next year do not want to wait until that time, for if they do their chances are not going to be at all bright. They want to come out now and get the benefit and experience of a great coach and better wrestlers.

While the varsity and West Point are going to be fighting it out Saturday on the banks of the Hudson Technology is not going to be left without any wrestling to behold. The Beaver seconds are taking on the Harvard seconds and the freshmen are grappling with Andover. The seconds are talking about what they are going to do to Harvard so that it should be an interesting afternoon. The Andover team that the freshmen stack up against is coached by Coach Carlson, so that the fireworks should scintillate. With equal coaching the meet should be a sheer test of merit. The freshmen will have to show all their fight and aggressiveness and determination to be on top when the dust cloud is rolled up and put away by Mike Hoar.

Saturday's meet according to the coach, was not a real test for the varsity. The team was not pushed and did not have to work as hard as they might. The team would have wrestled much better if they had been up against a real struggle. Tufts men were no weaklings, however. They showed plenty of fight and never stopped trying. They were fast on their feet and aggressive but they did not know what to do. When the Engineers tackle West Point they will be meeting a foe worthy of their best efforts.

## WENTWORTH NEXT FOE OF FRESHMAN QUINTET

The freshman basketball team will meet Wentworth Institute freshmen in Walker gym tonight at 7.15. Wentworth has a fast team, but the Tech freshman victory over B. U. Saturday gives the yearlings an even chance to win. The team has improved greatly in its last couple of games, and a fast contest may be expected. Coach Luke Bannon has been sending his squad through fast workouts this week in preparation for the game. Mock, who has been doing the bulk of the scoring for the frosh will start at center. He has displayed a very keen eye for the basket, and should be dangerous to Wentworth. Ross has been effective on the defense, and will play a guard position. The rest of the line up will be Miller, Bianchi, and Estes.

## Freshman Swimming Team Drops Meet To Brookline High Last Night 44-27

Technology's freshman swimming team went down to defeat last night before the strong Brookline High swimmers, 44 to 27. Although the engineers took five first places in the meet, the string of seconds and third places amassed by the high school was sufficient to carry them over the top.

Grover again starred for the engineer yearlings by taking first place in two events, the fifty yard dash and in the hundred yard event. The shorter event was close but in the hundred, the Tech swimmer had it all his own way from the start. The time in this event was 1 minute, 2 2-5 seconds, a mark which Grover might have lowered in faster competition.

Johnson of Technology took the breaststroke in an impressive manner and was followed to the finish line by two Brookline swimmers. Brown made an impressive showing for the engineers by coming through with first place in the dives.

50 Yard Dash—Won by Grover, M. I. T.; second, Daly, Brookline; third, Phillips, Brookline. Time: 27 2-5 sec.

Dive—Won by Brown, M. I. T.; second, Mackey, Brookline; third, Lynch, Brookline.

80 Yard Backstroke—Won by Hennessey, Brookline; second, Lewis, Brookline; third, Kelsey, M. I. T. Time: 1 min., 1 sec.  
200 Yard Swim—Won by Ford, Brookline; second, Morrissen, Brookline; third, Ullman, M. I. T. Time: 2 min., 34 sec.  
Plunge—Won by Hartshorn, M. I. T., 55 ft., 6 in.; second, Jollif, Brookline, 47 ft., 6 in.; third, Jollif, Brookline, 47 ft.  
100 Yard Dash—Won by Grover, M. I. T.; second, Jones, Brookline; third, Mullins, Brookline. Time: 1 min., 2 2-5 sec.  
80 Yard Breaststroke—Won by Johnson, M. I. T.; second, Brown, Brookline; third, Rea, Brookline. Time: 1 min., 9 4-5 sec.  
Relay—Won by Brookline (Lewis, McGillan, Daly and Duren); second, M. I. T. (Brown, Kelsey, Ullman and Grover). Time: 2 min., 2 3-5 sec.

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TICKETS \$3.00 A COUPLE  
ON SALE MAIN LOBBY 12-2  
NOVELTIES REFRESHMENTS  
Music by the Nightingales

### ARMORY NOT AVAILABLE FOR TECHNOLOGY CIRCUS

Committee Will Meet Friday To Discuss Further Plans

It will be impossible to obtain the Commonwealth Armory on Massachusetts Avenue for the proposed Technology Circus, according to member of the committee in charge of arrangements. The committee will meet Friday afternoon to discuss further plans. H. C. Hoar '25, general manager of the Musical Clubs, is now chairman of the committee.

Arrangements had already been made by the officials in charge of the Armory to rent the hall to someone else at the time that the Circus was planned for. Unless the committee can find another suitable building, it may be necessary to use the Hangar Gym in spite of the many objections to its use.

Several suggestions have been made by students as to a location for the circus. Besides the Hangar Gym and the Walker Gym, it has been suggested that the Circus be held in the main lobby, the booths being placed around the balcony.

### ALDRED LECTURE IS BY KETTERING TOMORROW

(Continued from Page 1)

pany and "The Delco" Domestic Building Company, and vice president of the Delco Lighting Company and Smith Gas Engine Company. In addition he is a director of the Moraine Development Company and the Flexible Side Car Company, trustee of Ohio State University and Antioch College, and founder of the Moraine Park School at Dayton.

Tomorrow's lecturer is a member of the Society of Automotive Engineers American Society of Engineers, American Institute of Electrical Engineers the National Gas Engine Association, and the Aero Club of America.

With most of the sports holding their events away from home over the coming week end, the hangar will be just about as deserted as the streets of Edinborough on tag day. The week following, however, the devotees of sports at Technology will again have a chance to see their favorite teams perform in the hangar gym.

### Dorm Sports

The Adventurers defeated Runkle 21 to 14 in a hard fought basketball game in the Walker Gym last night.

|             |                           |
|-------------|---------------------------|
| ADVENTURERS | RUNKLE                    |
| Hsin, I.f.  | r.g., Earl (Talbot)       |
| Chang, r.f. | l.g., Wills (Parton)      |
| Shih, c.    | c. Woolfenden (Charfield) |
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### ATHLETIC AWARD MADE BY ADVISORY COUNCIL

(Continued from Page 1)

sible for the physical fitness of the members of their teams and any violations of training rules are to be reported to the M. I. T. A. A.

If the breach is sufficiently serious and the Athletic Association deems it advisable the violator may be dropped from competitive athletics.

Men who violate training rules at Technology are decidedly in the minority, Dr. Rowe pointed out, but the men who do so are numerous enough to constitute a serious danger and a real handicap to the successful fulfillment of the athletic program here.

A. J. Tacy '27, manager of the Beaver baseball team which will compete as an unofficial Technology aggregation during the coming season, announced that a tentative program has already been arranged. Games have been obtained with Tufts, Providence College and St. John's College of Brooklyn. Numerous letters have been sent to other colleges, Tacy said, replies to which have not as yet been received.

The game with St. John's College will be played on the day of the technique rush at home so that the management expects a large turnout for the contest. The Advisory Council warned against the possibility of deviating from the amateur rule by playing teams which cannot strictly conform to amateur eligibility regulations. It is the desire of the council to maintain the same high level of sportsmanship in baseball as is now maintained in other branches of sport at Technology.

Formal recognition of the freshman fencing team was made by the council. According to Manager Edgar O'Neil '26, the freshman team will meet a number of colleges during the coming season so that they should develop as a productive source of new men for the varsity team next season.

### PROF. RICHARDS GIVES MINING SOCIETY TALK

(Continued from Page 1)

the petition by means of which the students might get help from the Faculty. The present system of keeping scholastic records relating to a student upon one single sheet was introduced by Professor Richards.

The fact that more new departments were added to the Institute under President Runkle was the subject of comment by Professor Richards. The inauguration of President Walker began another rapid growth, the corporation was reorganized and all departments were strengthened.

## Dr. Emerson Says College Students Are Far Below Possible Physical Efficiency

Dr. W. R. P. Emerson, nutrition expert, writing for "The Dartmouth," states that a third or more of the men who are in college are found by physical-growth examinations to be very much below par and are so used to this condition that they do not realize how easily they can bring themselves to a very high state of efficiency.

"The things that knock a man out," says Dr. Emerson, "are in the most cases physical defects; especially obstructions to breathing, lack of personal control, over-fatigue, faulty food habits, and improper food and health habits." Another factor which is found to be harmful to the student's health is worry. This is called one of the personal control or mental hygiene problems, and is usually solved by the program used for accomplishing physical fitness at Dartmouth.

"Some men get an idea that the present campaign at Dartmouth and the Massachusetts Institute of Technology has in mind some scheme for coddling fellows and making life easier for them. This is about as far from the truth as

it well can be. The need we are meeting is to make it possible to get much more out of life than can be accomplished when one is slumping and meeting special demands made upon him by working 'on his nerve,' which always means falling still farther away from the normal conditions when the spurt of energy has passed."

Dartmouth has already started three physical fitness classes and the results show an average gain of six and three-quarters pounds per man. The progress of the men in the class is measured by what is expected of an average boy of 16 in the same amount of time, and on this basis they are making six and seven times this standard every week.

The weight charts show a sagging here and there in the weight line. "All that is needed is to consult the college calendar and these times of retardation are found to coincide exactly with the week-ends on which one of the exciting games occurred or the time of the hour exams," states Dr. Emerson.

### "THREE LIVE GHOSTS" REAPPEAR AT COPLEY

"Three Live Ghosts" proved so popular when it was revived at the Copley a few weeks ago that they are giving it again this week. The story is so familiar that most everybody is familiar with it by now.

However, this is the idea. The action concerns three soldiers who have been reported dead by the Englishment government. One is a London cockney, another is a man wanted in America, and the third is a half insane victim of shell shock. The shellshocked man goes out at night, steals a baby carriage with a baby in it, and half a million dollars' worth of jewels. Scotland Yard comes after the American and the cockney's mother meets them at the door wearing the jewels that were stolen.

E. E. Clive, as "Jimmy Gubbins," the cockney, gave another one of the characterizations for which he is becoming noted. His act was one of the bright spots of the play. May Ediss was equally effective as "Mrs. Gubbins," Jimmy's mother. The rest of the cast seemed to overplay the English accent, if anything. W. L. S.

### INSTITUTE CHESS TEAM LOSES TO BOSTON CLUB

Technology's Chess Team was defeated Saturday night by the Boston Chess Club, the latter team scoring 3 1/2 to the Institute players' 2 1/2. P. Franklin, a member of the instructing staff, M. L. Libman '26, and G. W. Breck '26 scored for the Technology team. One of the players on the opposing team, W. W. Adams '23, played board 1 for the Institute chess-players in 1922 when they won the Intercollegiate tournament.

The M. I. T. Chess Club is a member of the Metropolitan Chess League, composed of seven local chess teams. Plans are under way for a match by the radio between the Technology club and some other member of the Intercollegiate association.

At the annual business meeting of the club, held before last Saturday's game, L. F. Beach '26 and G. W. Breck '26, were elected president and secretary-treasurer respectively for this year.

### Notices and Announcements

#### OFFICIAL

##### ELECTRICAL LECTURES

Under the auspices of the departments of Physics and Electrical Engineering, P. L. Alger of the General Electrical Co., of Schenectady, N. Y., will give a lecture today at 4 in room 4-231.

##### CHEMICAL WARFARE UNIT

There will be a meeting of the members of the advanced Chemical Warfare Unit at 11 on Saturday, February 7, in Room 3-305. All members of Unit to be present.

##### ALDRED LECTURE

C. F. Kettering, president of the General Motors Research Corporation of Dayton, Ohio, will speak tomorrow at 4 in room 10-250. Members of the Faculty, graduates and Seniors are invited.

##### UNDERGRADUATE

###### DORMITORY DANCE

A formal dance will be held Friday Feb. 6 at 8.30 in the Walker Memorial. Tickets are \$3.00 per couple.

###### PISTOL CLUB

Instruction will be given today, 1 to 2 in room 1-271. The same instruction will be given at all of these classes.

###### AUTOMOTIVE ENGINEERING SOCIETY MEETING

A meeting will be held Friday February 6 at 3 in room 10-267. All interested are invited to attend.

#### MECHANICAL ENGINEERING SOCIETY MOVIE

A movie will be shown today on "Continental Motors," at 4 in room 5-330.

##### FRESHMAN LECTURE

Professor E. F. Miller, head of the Mechanical Engineering department will speak on the subject "Engineering," at the next lecture tomorrow at 11 in room 10-250.

##### TECH SHOW ORCHESTRA REHEARSAL

There will be a rehearsal today at 7.30 North Hall, Walker.

##### ELECTRICAL SOCIETY MEETING

F. W. Peek, Jr., high voltage expert for the General Electrical Company will address the Electrical Engineering Society on the subject of "Lightning" tomorrow night at 8 o'clock in room 5-330. All invited.

##### WANDERING GREEKS

Wandering Greeks, please make your presence at the Institute known by signing the book placed in the main lobby near the Cashier's Office if you have not already done so.

##### SOPHOMORE HOP

The sophomore class will hold a formal dance the evening of February 12, in Walker. Bert Lowe's orchestra will furnish the music.

##### WALKER MEMORIAL COMMITTEE

Competition for freshman members will start Monday February 9. Report at the Committee office Monday, between 12 and 2.

##### BIBLE STUDY CLASSES

All men desiring to attend T. C. A. discussion groups and who were not present at last week's classes will leave name at T. C. A., and a special class will be arranged.

##### T.C.A. INSTALLS SHARPENERS

Realizing the need of students having sharpened pencils as well as sharpened pens the T. C. A. has added two pencil sharpeners to the itinerary of the office. Everyone is invited to use these machines at all times with no expense.

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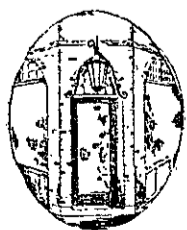
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