

SYRACUSE RACES CREW ON SENECA THIS AFTERNOON

Crew Puts in Two Practices
on River at Longwood
Yesterday

ENGINEERS IN TOP FORM

Syracuse Has Strong Veteran
Eight Coached by Jim
Ten Eynck

After the great showing made against the strong Navy crew at Annapolis last week, and the impressive practices held during their short stay on the Charles, the general consensus of opinion is that Coach Bill Haines' crew has much more than a fighting chance to come through with flying colors when they race the strong Syracuse eight over the one and a quarter mile Seneca River course this afternoon. The strong Naval Academy crew, undefeated for four years, was given some stiff competition over their home course last week and everything points towards a still stronger race today.

Arriving in Syracuse yesterday, the varsity eight was extended every courtesy by the Syracuseans, and after a short time in Syracuse the varsity took an hour's practice on the Seneca. The crew left last night on the 11 o'clock train and at 10 o'clock the men boarded the train to be in bed when the train started. At Utica Valentine of last year's varsity crew and brother of Cedric Valentine '26 met the members of the Technology contingent. On coming into Syracuse the men were met by the Syracuse management and were driven in cars to Longwood where the boat house is situated.

Syracuse Crew Strong

As to the strength of the Syracuse crew, five of last year's varsity that defeated Technology are back and four of last season's Junior varsity make up the rest of the crew. The Orange Junior varsity last year won the regatta at Poughkeepsie. So far this year, Syracuse has not been in any races but it can be depended on that Coach Jim Ten Eynck has developed another fast crew for this season's rowing. Conditions at Syracuse are not very good for the early development of a crew thus

(Continued on Page 3)

THOMSON IN EUROPE TO RECEIVE MEDAL AWARD

Will Be Presented With Lord
Kelvin Science Medal

Professor Elihu Thomson, former Acting-President of the Institute, has sailed from New York for Europe, where he is to receive the Lord Kelvin Medal, leaving on April 26 at 3 o'clock on the steamer Conte Verde for Naples. In addition to receiving the medal, Professor Thomson expects to make a pleasure tour of Europe before returning to this country.

The Lord Kelvin Medal is awarded at three year intervals for distinguished service in science. It is generally considered the highest award an engineer or scientist may attain. The medal is awarded in England, and Professor Thomson is the first American to be so honored.

The exact time of Professor Thomson's return is uncertain, but he will remain abroad at least until August.

FRESHMEN WILL HAVE PRACTICE IN PARADING

Today and next Friday the freshman "army" will be given battalion drill in preparation for the inspection May 14 and 15. The four companies under the command of student officers will pass in review past a stand near the Wind Tunnels, possibly several times. A band from the Boston Coast Defences will be on hand.

The companies will form on the land in back of the buildings between the hangar and Massachusetts Avenue facing toward the wind tunnels. They will march past the reviewing stand in column of squads, preceded by the band, and if time permits will repeat the parade. The final review before the Army officers who are to decide whether Technology is a "Distinguished College" will probably be held on May 15.

Newly Elected General
Manager Of The T. E. N.



B. E. Groenewold '25

DISTRIBUTE SENIOR WEEK TICKETS SOON

Price Set at \$8—Last Minute
Changes Proposed in
Picnic Plans

The Committee in charge of Senior Week has set the price for the blanket ticket for the Senior Week activities at \$8. This sum does not include admission to the Senior Prom however, but the price of admission to ticket holders is \$8 while those who do not hold the tickets will be charged \$10 for admission.

According to G. E. Parker '24, chairman, it will cost \$20.05 for a Senior to attend all of the events during Senior Week, so that if he buys a blanket ticket he will save approximately \$4. These tickets will be ready for distribution within a few weeks.

The committee in charge of the Class Picnic is now considering some last minute changes to be made in the plans for that affair. It was originally planned to hold the picnic at Pemberton and to provide a varied program of amusement there, baseball, water sports, a dinner and music being among the things chosen to entertain the Seniors.

None of this entertainment will be abolished, however, but it has been proposed that the Class hire a private yacht, which has been offered to them for the picnic. If these plans are carried through, the men will be transported to a small island in the bay where they can have more freedom than at Pemberton. It is probable that a steward will be aboard the yacht so that the dinner can be held on board the ship rather than on land, as was originally planned.

Debaters Get Ready To Argue For Metric System At New York City

Technology's debating team is devoting every afternoon to an earnest attempt to prepare itself for an argument with the orators of New York University in New York next Thursday. The debaters will maintain that the Britten-Ladd Bill is an effective means of securing the general adoption of the metric system of weights and measures in this country.

The engineers feel particularly qualified to argue on a scientific subject such as this, and A. M. Kaller '24, captain of the team, is determined to make the most of the opportunity to bring this issue before general attention. The debate will be broadcasted from the Westinghouse radio station WJZ, one of the foremost in the country. To make the debate of as popular a nature as possible, the talks will be short and followed by general discussion from the floor, during which the debaters will endeavor to answer any questions the audience may propound.

The question of the adoption of a universal system of measures often came before the attention of President Stratton during his long term of service is the head of the Bureau of Standards, and he regards it as an issue of the gravest importance. Activities such as this debate, he believes, are very useful in keeping the problem of a gen-

B. E. GROENEWOLD GENERAL MANAGER ELECT OF T. E. N.

Engineering News Announces
Elections for Coming
Season

PETZE BUSINESS MANAGER

All Members of Managing Board
Have Been With Paper
Since First Year

B. E. Groenewold '25 was elected to succeed D. F. Elliot '24 as General Manager of the Tech Engineering News at the recent meeting of the managing board of that organization. Others on the 1924-25 board are: C. L. Petze Jr. '25, Business Manager, M. P. O'Brien '25, Editor, C. A. Harrison '26, Advertising Manager, Scott Emerson '25, Circulation Manager, E. D. Murphy '25, Managing Editor, and J. R. Kimberly '26, Publicity Manager. Elections to the Junior Board of the publication are as follows: Howard Humphrey '26, Associate Editor; D. H. McCulloch '26, Assistant Managing Editor; W. L. Nye '25, Assistant Business Manager; E. E. Kussmaul '25, Assistant Advertising Manager; J. B. Wright '26, Assistant Circulation Manager and J. L. Ostburg '26, Assistant Publicity Manager.

Groenewold, the new general manager has been engaged in scholastic journalism since he was an associate editor of his high school monthly. He has served with the T. E. N. since his freshman year in both editorial and business departments and was advertising manager of Volume IV, so that he is acquainted with all branches of the work. This work has won him a

(Continued on Page 4)

NOMINATIONS MUST BE IN BY TOMORROW NOON

Class Officers Will Be Chosen
Next Wednesday

Nominations for class officers must be in the information office by noon tomorrow, if the nomination is to be considered in the elections coming next Wednesday.

Men are busy through all the classes electioneering for their candidates and a large number of nomination blanks are being circulated. Class officers for the freshman, Sophomore, and Junior classes are to be elected at this time, the Senior class of course having none. President, Secretary, and Treasurer and class representatives to the Institute and Executive Committees will be elected.

The polls will be located in room 4-131 and will be open from 8:30 to 5:30 o'clock.

TRACK TEAM MEETS STRONG PRINCETON COMBINATION IN FIRST DUAL MEET TOMORROW

Delivers Tenth Aldred
Lecture This Afternoon



A. H. Rogers

ROGERS LECTURES TO SENIORS TODAY

Prominent Metallurgist Chooses
As Subject "Business in
Engineering"

An Aldred Lecture on "The Business in Engineering" will be given by A. H. Rogers '90 in room 10-250 at 3 o'clock this afternoon. The lecturer, the tenth to deliver an address in the Aldred series, is a consulting engineer and a member of the Alumni Council.

Mr. Rogers entered the mining engineering profession immediately after obtaining his degree from Technology in 1890. His first position was with Phelps, Dodge and Company in Arizona. In 1893 he became connected with the Boston and Montana Copper Company, leaving this concern in 1894 to go to Mexico with the Guggenheim Smelting Company. He remained in Mexico until 1905, serving the greater part of the time with the American Smelting and Refining Company and its allied firms as mine superintendent and later as general manager.

Member of Many Societies
Mr. Rogers returned to the east in 1905 and after remaining with the American Smelters Securities Company for a year established an independent practice as consulting mining engineer. He served as consultant to the Canada Copper Company, and several other large copper firms during this period. Upon America's entrance to the war, Mr. Rogers became a "dollar a year" man with the United States Bureau of Mines at Washington. Since the close of the war he has been senior member of the firm of Rogers, Mayer, and Ball.

The interest which Mr. Rogers takes in his profession may be judged from his membership in many mining societies. He is a delegate of the American Institute of Mining and Metallurgical Engineers to the American Engineering Council and the National Research Council, and he is also president of the Mining and Metallurgical Society of America. Among the clubs of which he is a member are included the Engineers' Club and the Technology Club.

PROFESSOR HARDY TO ADDRESS MATH CLUB

Professor A. C. Hardy of the Department of Physics will address the M. I. T. Math Club next Tuesday evening in the Faculty and Alumni Room at 8 o'clock on the subject of "Color Measurements." The lecture will be illustrated by lantern slides and several novel experiments will be performed. Members of the faculty and students are invited to be present.

ENGINEERS WILL HAVE HARD MEET FOR THE OPENER

Varsity Will Face One of
Princeton's Strongest
Track Teams

JEPPE SHOULD DO WELL

The Beaver trackmen will meet the strong Princeton varsity tomorrow in the first dual track meet of the season. The Tigers have an especially strong team as they placed second in the National Intercollegiate last year and most of their veterans have returned. Recent developments however have strengthened the Engineers and it is with much improved chances that they heard the Tiger in his lair at 2:30 in the new Palmer Stadium.

Doug Jeppe is counted on to give Princeton trouble in the hundred if he exhibits the same form he did when he cleaned up in the Interclass meet. This versatile sprinter has been going very well lately and Coach Connor counts on him to show his ability in both the 100 yard dash and the 220. Roy Copley is another first string man who may be depended upon to get a couple of thirds or perhaps seconds if the Tigers do not show championship form in these events. Sams of Princeton although he did not place in the Penn Relays last Saturday is looked upon to score heavily in the sprints.

Bailey and Joyce in 440
Bailey and Joyce will be the Engineers' representatives in the 440. Doc Connor will enter Jeppe in this event if the shorter sprints do not tire him too much. Hitzrot will be the foremost contender in this event for Princeton and as he is a veteran of four years' experience, the Engineers will do well if they chalk up some points in this event. Howlett and Bailey will run the half for Technology with the addition of Davidson, if he does not compete in the mile. The ineligibility of

(Continued on Page 3)

INFORMAL DORM DANCE FRIDAY LAST OF YEAR

Musical Clubs Dance Orchestra
Will Furnish Music

An informal Dorm dance is to be held in Walker Memorial next Friday. This will be the last informal Dorm dance of the season, although there will be a Special novelty dance given later this term. The latter dance will be formal, however.

Music will be furnished by the entire Musical Clubs Dance Orchestra, consisting of 13 pieces. Dancing will be from 8 o'clock to 12, with a 20 minute intermission at 10 o'clock. Tickets can be obtained at the Superintendent's office.

The following will be the patronesses: Mrs. R. E. Rogers, Mrs. H. S. Ford, and Mrs. R. S. Williams. The ushers will be M. L. Ash '26, H. R. Ferguson '24, F. E. Manley '24 and R. L. Corey '26.

CALENDAR

- Friday, May 2
8:00—Dorm dance, main hall.
- Saturday, May 3
8:00—Archimedes Society, dinner dance, north hall.
- Tuesday, May 8
8:00—Math Club Meeting, Faculty and Alumni room, Walker.
- Friday, May 9
6:00—Class of 1905 dinner, Faculty dining room.
- 8:00—Catholic Club dance, main hall.
- Saturday, May 10
3:00—Walker Memorial Committee tea dance.
- 8:00—Hexalpha dance, north hall.
- 8:00—Runkle Dormitory dance, faculty dining room.
- Tuesday, May 13
6:30—Class of 1908 dinner, faculty dining room.
- Wednesday, May 14
6:00—M.I.T.A.A. banquet, main hall.
- Thursday, May 15
8:00—Scabbard and Blade military ball, main hall.
- Saturday, May 17
5:30—Radio Society banquet, north hall.

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BLUE LAWS

WE have two questions to ask. The first will be easy to answer, but the second, alas, must remain a conundrum. When, if ever, does the undergraduate have any spare time? For a few, an afternoon or so a week hangs heavy on their hands. A very few have evenings (other than Saturday) to spend in entertainment. But for the most of us Sunday is the only day in which there is any freedom from the pressure of Institute affairs.

Sunday is free—yes. But what can you do on Sunday? We all feel the need of outdoor recreation, but the only outdoor diversion open to us on Sunday is a hike through the Fenway or, if we own a car, a drive in the country with the dust of countless other cars in our eyes. We have looked to the Institute for diversion. We have cast long glances on Institute tennis courts and baseball diamonds, but (and here is the second question) what can you do around the Institute on Sunday?

We have tennis courts here, of a fashion, and are promised new ones for our use. But what good are the courts to most of us? Few are able to make use of them on week-days, and Sundays, the only time when we are free to enjoy ourselves, we find them barred to our use. Technology is not a church school. Religious convictions at the Institute range all the way from Puritanism to atheism. Two hundred years ago we would have been surprised if we were allowed to enjoy ourselves on Sunday. Fortunately this is 1924. Let us remind the powers that be that the students look upon Sunday as a day of relaxation and recreation. If the Institute has means of recreation to offer, let it be available when it is most wanted—Sundays.

DR. SWOPE AGAIN

WE are indebted to Mr. John for his communication of last issue on Dr. Swope's plan to increase the tuition. To his conclusions we must agree. Some of us would not be handicapped by an increase in tuition amounting to 300 dollars a year, but most of us would. Such an increase would mean a change in the class of students drawn to Technology. Now we are made up of men, almost regardless of means, who desire and are mentally equipped for a career in a scientific or engineering field. It is the aim of the Institute to draw such a class of men. Few would wish to leave college with a burden of debt on their shoulders. If such a debt were required, it would mean the defeating of the purpose of Technology. It could not but follow that means would become a prerequisite of admission as well as ability and natural bent. Is that what we desire?

We disapprove of his plan, but Dr. Swope has touched on a condition at Technology and given what he had to offer as a solution. He has felt the need here of new dormitories, new buildings, better equipped laboratories, a more highly paid instructing staff, and so on down the list. These require money. Dr. Swope would make the students self-supporting and use the income thus released for improvements. Evidently he does not regard the change in student personnel as seriously as we do. He did offer a solution. It was unacceptable to us; let us then search for another one.

YOUR SCHOOL

If you want to work in the kind of a school
 Like the kind of a school you'd like,
 You needn't ship your clothes in a grip
 And start on a long, long hike.
 You'll only find what you left behind
 For there's nothing that's really new.
 It's knock at yourself when you knock
 your school,
 It isn't your school—it's you.
 Real schools aren't made by men afraid,
 Lest somebody else goes ahead,
 When everyone works and no one
 shirks
 You can raise a school from the dead.
 And if while you make your personal
 stake
 Your neighbor can make one too,
 Your school will be what you want to
 see.
 It isn't your school—it's you.
 —Black Hills Engineer.

Play Directory

COLONIAL: "The Caddie Girl." Filene Musical comedy. Last three performances.
 COPLEY: "The Devil's Disciple." Shaw in light and entertaining mood.
 HOLLIS: "The Changelings." Good comedy.
 PLYMOUTH: "The Rabbit's Foot." Laughable comedy, with a thought back of it.
 ST. JAMES: "East Side, West Side." Antique plot relieved by good acting.
 SELWYN: "The Heart of Paddy Whack." Last three times.
 SHUBERT: Chauve Souris. Much the same as before, in spite of interesting new pieces.
 WILBUR: "The Gingham Girl." Musical comedy. Last three performances.

What Occupies the Minds of the Undergraduates in Our Great Colleges

By Harry R. Wellman

Courtesy Dartmouth Alumni Magazine

(Continued from previous issue)

He hates labels and he hates cant. He bluffs about his good deeds. He will fight rather than answer the impertinent question, "Are you a Christian?" If normal he will probably look you in the eye and tell you, "None of your business." And it isn't, either; it's his business and it's so terribly important to him that he resents your good intentional bungling. During my five years back in Hanover, I've seen more real, honest religious convictions than I thought could exist in a college community anywhere. It's under the surface to be sure, but it's there.

Movies
 Perhaps movies come next, it is hard to determine definitely because everyone likes to go to the movies once in a while. Most of us who were here in the pre-movie days, regard the movies as a real menace. Take comfort. The management informs us that there are only about 400 regular attendants. Considering a resident population of over 2000, this isn't quite up to the normal percentage of attendance in our own suburb! Much as we may regret the failure of the great outdoors to attract these 400, there is at least one comforting thought; since the management of the movies is now in the hands of the Village Improvement Society, the support of the 400 has taken concrete shape in the form of a new sidewalk from Main Street to the bridge—which makes easier the way of the returning pilgrims. So, if we cannot improve this weak-minded 400, we can

make their wasted time improve the community at large!

Men
 Finally, the greatest impetus to all undergraduates thinking has come from men. Outstanding men in the faculty who make the interests of the men, their interests. Men who "have time" to talk to undergraduates outside of the class room. Men who mean something on the Campus and in the world at large. These men have developed and are daily developing undergraduate thinking. There are groups who carry curriculum interests outside the class room into the homes of instructors, outdoors even, to the cabins, on long hikes and into the various tea houses. Perhaps this group system with its own selected leader, is the natural outcome of a larger College. Anyway, it's here and it is performing a very real service.

These men are not "gods" to the undergraduate. They are human, understandable friends. And being friends, they occupy much of the thought of the undergraduate. In fact, some of the leaders become in effect, "The College" as far as the particular student is concerned. This is as it should be. As an alumnus, I am proud of our present undergraduates. They have passed through a very trying period of our national development. They are normal, sane and inquisitive. Their accomplishments will be greater than our accomplishments because their opportunities are greater. Again as an alumnus, it is gratifying indeed to watch the development of real leadership in faculty and administration and to find the undergraduates worthy of this effort. The situation is not perfect. Italy still lies beyond the Alps but every now and then we do get a glimpse of the spires in the Eternal City.

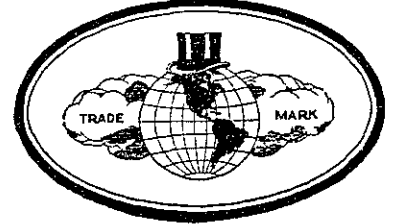


The season for dirty politics is now at hand. Tammany Hall in its palmiest days had nothing on the Institute while nominations are keeping our greedy politicians busy. The Lounger at lunch the other day overheard a conversation something like this: "I'll carry around a couple on nomination blanks for you if you will help me make Institute Committee. And, say, how about helping Ed, here; he's a frat brother of mine, you know." This business of signing nominations for more or less unknown does not help put the best men in office. Pick a man you know and in whom you have confidence. Back him as hard as you can. Be sure of your candidates for the class offices. May the best come out on, top not those with the biggest drag.

The Lounger was greatly amused, yesterday, by the child-like glee which the R. O. T. C. Sophomores set off minor explosions in back of the Institute buildings. The members of the Engineer unit, usually so staid and dignified, ran around, touching off fuses and detonating caps with all the reckless abandon of a kid with his first firecracker on the fourth of July. They thought nothing of blowing up sections of iron pipe, even when some of the pieces went hurling through the midst of the Coast Artillery gun crews. Not to be outdone, the Chemical Warfare outfit staged a little demonstration of their own. Bombs were sent off, just back of the Coop, making the poor manager think that thieves were again trying to blow his safe. The Lounger pities Mr. Noyes, worried as he has been recently by burglars, suddenly bombarded by the dainty little toys heaved about the country by a Stokes mortar. It is rumored that one venturesome Engineer absconded with a half pound stick of T. N. T. The Lounger, in fear and trembling, is considering leaving town until it is returned. He hopes that it will be used on the Harvard Bridge. Sounds too good to be true, but let's hope for the best.

TECHNOLOGY REVIEW ON SALE YESTERDAY

With a representation of President Stratton's residence gracing the front cover of the Technology Review, that publication was placed on sale yesterday. The May number contains an extensive article on the Naval Architecture Museum exhibit of marine prints with copious illustrations from the prints themselves. Although the undergraduate section has been omitted from the issue, a picture of the personnel of the Combined Musical Clubs has been printed in recognition of the close of that organization's activities for the year. The Swope Plan for increasing the tuition here at Technology is also discussed in this number.



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"The Old House with the Young Spirit"

TREMONT STREET, AT BROMFIELD

CREW HAS GOOD CHANCE TO WIN

RESULT OF RACE WILL DETERMINE ENGINEERS' COLLEGIATE STANDING

VARSITY CREW RACES FAST SYRACUSE EIGHT

(Continued from Page 1)

making it impossible for an eight to reach a high point of efficiency early. Due to the fact that all the big rowing events come late in the season it is unlikely that Ten Eyck has brought his crew to the peak so early in the season.

Must Use Borrowed Shell

Because of the expense of shipping their own shell all the way to Syracuse the varsity will not row in its own shell, and a lot depends on getting used to the strange shell. Every shell has some inherent crankiness that can be found out and corrected for only by constant use by the men. Last year Syracuse loaned the oarsmen a fine Ward shell that the men liked very much, and they are giving them the same boat for today's race. If the men can get accustomed so that everyone will feel comfortable in the strange boat, a good showing will result.

During the last few days on the Charles the crew went through three fine practices. In the last of these held Wednesday afternoon every thing was working smoothly, when they raced the first 150 in an informal race from the Cottage Farm bridge to the float at the Union Boat Club. The varsity showed great power in the race and quickly pulled away from the other crews, and rowing at a slow stroke varying from twenty-five to twenty-eight for the entire distance. At the finish they were in lead of the first frosh by about two lengths of open water while the other crews trailed the frosh.

Coming up the river after the race Bill Haines had the crew practice racing starts of twenty strokes each with the second varsity. The crew showed

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Frosh To Meet Strong Andover Team Tomorrow

The frosh trackmen race Andover's crack team tomorrow in the second start of the outdoor season. Andover has an exceptionally strong team and last week defeated the Harvard frosh by a large score. The Beaver frosh count on Jack Wiebe in the dashes as well as in the broad jump and the javelin. In these last two events he constitutes the freshmen's strongest threat has recently broken the records in both of these.

Bill Kauzman should score in the 220 if not in the 100; also in the broad jump. Coach Warren is undecided whether he will put Mercer in the quarter or the half but he ought to place in whichever event he goes in. Gaylord will run in the mile.

Special to THE TECH

Syracuse, N.Y., May 1, 1924.

Men boarded train at ten and were all in bed when train started at eleven. All met Valentine of last year's varsity and brother of this year's stroke in Utica. Were met and driven to Longwood in cars by Syracuse management. Hour practice held in morning on Seneca River. Fair but windy. Every courtesy has been extended by Syracuse. Staying at Yates Hotel. Syracuse line up: Wise, captain, bow; 2, Rogers; 3, Lapham; 4, Stratton; 5, Phifer; 6, Baltens; 7, Perger; Howard, stroke; Mang, cox. They have strong crew, five of last year's varsity and four of last year's junior varsity which won at Poughkeepsie.

Signed,
Guy S. Frisbie, Assistant Manager of Crew.

DARTMOUTH TEAM TO PLAY BEAVERS

Green Have Strong Tennis Team —Osgood Is a Match for Captain Tressel

Fresh from their victory over B. C., the Engineer tennis team is scheduled to meet Dartmouth at 10 o'clock tomorrow on the Oakley Country Courts for their third match of the season. So far the Beaver team has made out very successfully, winning from Boston University by a score of 5-1, and from Boston College by 6-0. It is expected that tomorrow's game will prove to be a severe test of the Engineer's skill.

After the two games with the Boston teams which were really in the nature of practice games the Institute team is in good condition to meet the Green tennis men. Probably the same team that played against Boston College last Wednesday will represent the Beavers tomorrow on the Oakley Courts; Captain Tressel plans to run a four man team which will probably consist of Russell, Dunn and Harris. Russell and Tressel played exceptionally well in both the Boston University and Boston College games, Russell winning by love sets in the latter game, and was not won by a love set; the first set went off easily with a 6-1 win.

ENGINEER TENNIS DEFEATS EAGLES IN SECOND MATCH

Beavers Completely Whitewash Boston College Taking 7 Love Sets

RUSSELL WINS ALL GAMES

Winning Second Meet of Season Puts Technology Team In Fine Shape

In the second match of the season the Engineer tennis team completely whitewashed Boston College, on the outdoor courts of Oakley Country Club in Watertown, last Wednesday afternoon. The Beavers easily took both the singles and doubles with a total of 7 love sets out of 12 played, making a final score of 6-0.

Due to the fact that Wednesday's game was the first of the season for Boston College, Boston College was outplayed at almost every serve. The Engineers on the other hand played a strong and consistent game from start to finish. In the opening match Captain Tressel easily disposed of Captain Barry of Boston College, starting off with a love set and finishing by allowing his opponent only one game. Joe Russell was matched against Phil Dillon of Boston College, and by hard and fast playing was able to hold Dillon down to two love sets. Dunn, number three on the varsity team, was not to be outdone in the grab for love sets, winning his sets by 6-3 and 6-0. In the fourth game Harris came up against O'Neil, and defeated him as easily as the others had their opponents.

Win Doubles With Ease

In the doubles Capt. Tressel and Russell were paired against Capt. Barry and Molina of the Eagles, and easily won, knocking down two love sets in the process. Peck and Broadhurst were matched against Dillon and O'Neil of Boston College, meeting the only serious opposition the whole match af-

(Continued on Page 4)

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FIRST TRACK CONTEST WILL BE TOUGH TEST

(Continued from Page 1)

Unless comes as a setback to the team as he won the half in the Interclass meet and is one of the Beaver's best middle distance men. Sam Conger, one of the most prominent of collegiate distance men will represent Princeton and his teammate Leh can also be regarded as a formidable contender for a place.

Symonds in the Mile

Little Gif Symonds will be the Engineers' best bet in the mile and in addition Coach Connor will have Davidson and Fife to count on. Gif has been doing great work all year and he won the Interclass mile by a handy margin. Hooper who brought down second in this meet may run in this instead of the eight furlong. Princeton lays her hopes on H. D. Betts who has been coming along for some time and is expected to deliver the goods tomorrow. Bill Rooney will represent the Institute trackmen in the two mile, together with Fife and perhaps Davidson. The chances in this event underwent a serious drop when Frank Fricker, the Engineer's star distance runner infected his foot, which may keep him out all season.

Captain Ambach in Hurdles

The Beaver's hopes in both hurdle races are centered in Captain Russ Ambach and Emmons Blodgett. The latter has recently perfected a new method of clearing the rights and Doc Connor expects him to show up well tomorrow. Princeton's timber topper supreme is G. L. Scattergood, who although a newcomer in track, won third place in the Intercollegiate highs at Penn last week.

Major Sanford has been pole vaulting around the 12 foot mark and has been closely followed by Chen. Fort represents the hope of Technology in the high jump with McClean a close second and perhaps Don McArdle. Dexter, winner of the Interclass meet is unavailable but Fort is able to perform just as well or better. Ballentine and McClean are entered in the broad jump and can be regarded as contenders for place.

Shot Put Is Weak

Although the shot put is very weak Doc Connor has filled a gap by developing a good man in Greene who will be in all probability a sure placer in the meets before the end of the year. The Princeton man in this event, R. G. Hills who won the National Intercolle-

giates last year, is one of the best weight men in college circles and is a certain winner. Drew and Greene are entered in the hammer and as the former has been doing very well he can be regarded as a likely man. The loss of the freshman star Glantzberg who cannot compete is very keenly felt in all the weight events, and especially in the discus.

It would seem that in just those events that the varsity team is weak in the frosh excel. Doc would give a lot to have some additional men in the weights.

FROSH TRAMPLE SENIORS 6 TO 2

Fitzgerald Not in Form While Rhinehart Flings Like Major-Leaguer

Fitzgerald, the widely-heralded Senior hurler failed to turn back the cohorts of the ambitious freshman team when the frosh broke through his delivery in the fifth inning to score five runs and win the game 6 to 2. This places Luke Bannon's frosh in the lead of the league with the Seniors at the bottom, and the Sophs and Juniors tied for second place. Due to the cold Fitzgerald was unable to get into his old form and although he only allowed four hits, errors on the part of the Senior infield and five walks succeeded in losing the game for him.

In the first inning Crandell after getting a walk brought in the first frosh run on Rhinehart's triple. Following this score the innings up to the fourth were uneventful, both teams going down before the drops and curves of the pitchers. Rhinehart pitched superb ball for the frosh allowing only three hits and no walks. In the fourth two hits coupled with an error brought in two runs for the Seniors, Walterskirchen and Giles scoring.

It was in the fifth bracket that the frosh started a rally. Johnson hit safely, Berkeley walked, Hibbert got hit by a pitched ball and Crandell walked thus scoring Johnson. Dyer got a beautiful three bagger over by building 2 thus scoring Berkeley, Hibbert and Crandell. Giles hit Dyer in. The remainder of the game did not see any scoring the frosh inning 6 to 2.

ENGINEER CREWS ROW TOMORROW IN HOME CONTEST

Junior Varsity, Freshman Crews and Two 150-lb. Boats in Three Races

UNION BOAT CLUB TO RACE

The Charles River will be the scene of three crew races between the Technology crews and several school crews tomorrow afternoon, most important of which is the contest between the Junior Varsity and the Union Boat Club. In the first race, scheduled for one o'clock the first freshman and first 150 pound crew will take on over the Henley distance the strong Stone School crew which defeated the second frosh decisively last Saturday. At three, the second freshman and the second 150 pounders will race over the mile course the Lynn Classical boat. This race will be followed by the contest with the Union Boat Club over the one and five-sixteenths mile course which bids fair to equal the first race in snappy competition.

(Continued on Page 4)

Opening Games Of Fraternity League Played

This week saw the opening of the interfraternity baseball league. A great deal of interest was shown at the initial games of the league and the spirit of competition between the fraternities is keen. A few of the contests have been postponed, and it is the wish of the supervising manager that those teams whose games have not been played off according to schedule communicate with him at their earliest convenience in order that the series may not be unduly delayed.

The results thus far are as follows:
Monday: Sigma Chi (8)—Phi Kappa Sigma (2).
Tuesday—Kappa Sigma (18)—Theta Chi (5).
Alpha Tau Omega (5)—Beta Theta Pi (1).
Wednesday: Delta Kappa Epsilon (10)—Theta Delta Chi (3).

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CHEMISTS TO ELECT OFFICERS THURSDAY

Smoker Planned for the Evening of Election Day—Three Men to Speak

The annual election of officers for the Technology Chemical Society will be held next Thursday, May 8. The ballot box will be located opposite Dr. F. G. Keyes' office in building 4 and will be open from 9 until 4 o'clock. A president, vice president, secretary and several other lesser officers will be elected at this time.

The society will hold a smoker on the evening of the same day in north hall, Walker. Captain A. H. Waitt will speak on the "Chemical Warfare Unit in the United States Army." A talk will also be given by Professor J. W. M. Bunker on the subject of "Experiments in Nutrition." In addition an exhibition of glass blowing will be given by G. A. Bautze.

Captain Waitt, who was in the United States Chemical Warfare Service, has been recently transferred to the First Corps Area and is now working on the mobilization of industries which manufacture materials used by the service. Professor Bunker of the department of Biology and Public Health at the Institute, will tell about rat and guinea pig experiments, and the effects of various diets on the general weight, health, and beauty of the animal.

With the coming of the warm spring days the tennis courts are again beginning to be recognizable as such. Praise be to Eddie Pung. Apparently a finer grade of gravel is being used so that now one will be able to make a better guess as to which way the ball will bounce, if it does.

True Identity Of Ten Trusties Is Revealed

In a letter received Wednesday by THE TECH, the identity of the Ten Trusties was finally revealed. The Tennis Committee, which is an unofficial committee which was organized for the purpose of furthering tennis at the Institute and which is composed of M. L. Tressel G, and several other students, has admitted that they are the ones who have kept the undergraduate body guessing about the Beaver for the past month.

In an interview, Tressel reiterated his belief that the Beaver is now resting somewhere on the bottom of the Charles River. He further believes that a demand should be made by the student body that the Junior Class restore the Mascot for he thinks that public opinion is interested enough to warrant this action.

PLANS FOR INSIGNIA AWARD DINNER MADE

The annual insignia award banquet given by the M. I. T. A. A. will be on Wednesday, May 14, at 6:30 o'clock in the Main Hall. President Stratton will be there and will give a short address on the presentation of the awards. All shingles, class numerals and the Interhouse Relay Cup will be given at that time. The "T" charms to new members of the Varsity club will also be given out.

Although the affair will be a regular banquet the crew and track team will have their training tables there. The orchestra will play during dinner and everything will be over by nine o'clock so as not to interfere with the men in training.

Demonstration In Shell Protection Is Given By Chemists

Stokes Mortar Fired in Vacant Lot in Rear of the Coop Store

Sophomore students in the Chemical Warfare Section of the R. O. T. C. were treated to an exhibition of shell projection as used in chemical warfare yesterday morning, when Captain Thomas Phillips of the Military Science department had a Stokes mortar erected in the field in back of the Coop store, and shot off a few shells.

The base of the mortar rested in a depression dug in the ground, while the barrel was elevated to the desired angle by supporting it by a bipod arrangement. The shells are fired by dropping them down the barrel and concussion with a firing pin at the bottom fires a cartridge and ejects the shell by the force of the pressure created.

Field Dug Up By Shells

A large can about 70 yards away was used as a target. The first shells although loaded with emite had no fuse so that there was no explosion on impact. With the third shell the target was struck squarely. It was necessary to clear the field of all persons but it was found rather difficult to convince the colored driver of a team that it was no place for him, but the sight of a shell shooting a hundred yards high and landing directly in his path convinced him.

A shell with a fuse cap was then fired and the explosion made when it hit the ground sent out a great shower of hot iron fragments and a considerable amount of noise. For some reason this shell went a little further than was expected and landed rather near a house.

ELECT MANAGERS FOR TECH ENGINEERING NEWS

(Continued from Page 1)

place as a member of the Pi Delta Epsilon journalistic fraternity. He has confined his athletic activities to his freshman year when he was a member of the freshman boxing team.

Petze Has Varied Record

For a record of all-round activity with the T. E. N., that of C. L. Petze almost equals that of the general manager-elect. His services have been as assistant advertising manager, circulation manager, and assistant business manager. He has also been active as treasurer of the T. C. A. and as a member of the cabinet of that organization.

O'Brien, just as all the men on the new managing board, has been with the publications since his freshman year and has served as personnel editor. His journalistic work has not been entirely confined to the T. E. N. since he has been an associate editor of Voo Doo. C. A. Harrison is promoted to the position of advertising manager from that of an assistant in that department which he held during the past year.

Scott Emerson, the new circulation manager, was Business Assistant while the Managing Editor-elect, E. D. Murphy, was formerly a News Editor. The latter is a member of the Institute Rifle Team and was captain of that organization last year. J. R. Kimberly, who will serve as Publicity Manager, was on the Tech Night Committee.

The following men have been elected to the Editorial Division: E. L. Perry '26, R. H. Maser '26, F. G. Cunningham '25, and F. S. Lutz '27, while the appointments to the Business Division are R. F. Terill '26, Samuel Sagermaster '27, C. P. McHugh '26, and E. A. Church '27.

AMOSKEAG PLANT WILL BE VISITED BY CIVILS

Long Delayed Trip To Be Held Tomorrow Afternoon

Tomorrow the Civil Engineering Society will make its long planned trip to Manchester, New Hampshire. The main object of the journey is to visit the huge hydro-electric station of the Amaskeag plant. The dam on the Merrimac River is another objective of their visit.

Both the power station and the dam are immense in size, and of modern construction. The plant is divided into three units and the dam, 7700 feet in length, has a tunnel through it where transmission wires run to the mills of the company on the opposite side of the Merrimac.

Those members of the society who are to make the trip will sign up on the bulletin board in front of Professor Spofford's office at once. The nominations for officers of the society are also to be made this week. It is required that they be made in the regular form made out by the Institute Committee, and turned over to an officer of the society before 5 o'clock on Monday. A list of the officers to be chosen will be posted on the bulletin

VARSITY CREW RACES FAST SYRACUSE EIGHT

(Continued from Page 3)

great power and gained a lead on the other crew at every start. At one time after the allotted number of strokes they led the junior eight by a half length. The crew seating are: Bow, Hamblet; 2, Sayre; 3, Horle; 4, Latham; 5, Herckmans; 6, Coleman; 7, Eaton, captain; Valentine, stroke, and Reid coxswain.

Coach Ten Eynck of Syracuse will start the race and will also referee. Ten Eynck has a national reputation for producing fine crews. On the Seneca River yesterday Coach Bill Haines gave the crews two good work-outs, the weather was windy but the skies were clear. At the Navy, the crew was bothered with a little wind all the week, but on the day of the race the water was exceptionally smooth and was in an ideal condition for racing. The wind was blowing a little off the quarter which did not inconvenience the oarsmen greatly. With a fair day for the race, Technology may expect the crew to give a fine account of themselves and to but duplicate the time at Annapolis will probably mean a victory.

DARTMOUTH TENNIS TEAM WILL PLAY ENGINEERS

(Continued from Page 3)

Tressel did almost as well losing only two games out of four sets. Dunn showed up well in both games and rates third man on the team. Harris played rather poorly in the Boston University game, but did so much better in Wednesday's match that he will probably play fourth man tomorrow.

Dartmouth Team Is Strong

Captain Osgood is the only veteran back on the Dartmouth team, but as the Green's had a strong freshman team last year it is expected they will prove to be one of the strongest opponents the Beavers have to face. Last year Dartmouth defeated Technology by a score of 6 to 0; Tressel being defeated by Osgood, and Russell lost to the Captain by scores of 6-4 and 8-6. In the doubles Russell and Tressel were defeated only after a hotly contested match with Osgood and the Dartmouth Captain, losing by scores of 1-6, 6-3, and 9-7. Osgood is a player of exceptional ability and will furnish the center of resistance of the Dartmouth team, but he is backed up by a strong team that will keep the Engineers on their toes from start to finish.

Tomorrow's match is bound to prove one of the most interesting of the season and it will be hotly contested throughout.

CREWS RACE TOMORROW IN BIG HOME CONTEST

(Continued from Page 3)

On his return from Annapolis, Coach Haines' expressed some dissatisfaction at the way the yearling crew was going, especially the starboard side. The frosh have improved greatly since then and Wednesday night literally "went wild" as the men on the other crews expressed it when they ran away from the second varsity and 150 in an informal race, beating the former by a length and a half and the latter by about four lengths. They trailed the varsity by about three lengths in the same race which was over the distance from Cottage Farm Bridge to the Union Boat Club.

This showing bids for a good race against Stone tomorrow, as the frosh are going strong. Almost opposite to the advance of the frosh, the second varsity and first 150 have been going poorly. The first 150 have been the victims of many changes in the seating of the crew. The shift from the waters of the Severn to the Charles seems to have a bad effect on the Junior Varsity. As soon as they get accustomed to the Charles they are expected to show their old form. On Thursday they showed some fine improvement over the day before.

Hammond, powerful No. 5 man on the second frosh, has been out with an infected hand, and his absence is sorely felt by the boat. In case he is not in condition to row the race, Captain Eaton will row on the starboard side and Williams will stroke the boat.

The lineups are: First frosh: Bow, Copeland; 2, Emery; 3, Lammet; 4, Derby; 5, Blanford; 6, Collins; 7, Kales; Stroke, Captain Tappan; Cohen, cox. Second frosh: Bow, Capt. Eaton; 2, Buckley; 3, Osborne; 4, Moineau; 5, Hammond; 6, Johnson; 7, Harvey; Williams, stroke; Case, cox. First 150: Bow, Grove; 2, Rosseau; 3, Hall; 4, Butler; 5, Flaxington; 6, Lane; 7, Davis; Kaufman, stroke; Thomas, cox. Second varsity: Bow, Lauria; 2, Geis; 3, Perra; 4, Underwood; 5, Stapleton; 6, Murdock; 7, Peterson; stroke, Greer, cox, Houghton.

Probably if it were not for the expense that the men of the baseball team are put to for uniforms, shoes, etc., there would be a lot more coming out than there are at the present time. It is also somewhat of a detriment to prospective members of the golf team that they may pay green fees for their practices.

ORDNANCE ASSOCIATION ELECTS NEW OFFICERS

Olympic Games Also Discussed At Last Smoker Meeting

H. N. Sachs '25 was elected President of the Army Ordnance Association for 1924-25 at a smoker-meeting of the society held recently. The Association constitution was also accepted at the same meeting and, with the exception of First Vice-President, officers were chosen for the coming year. Captain G. M. Wells, second Vice President, E. W. Eager Jr. '25, Secretary Treasurer, and G. C. Cline '25, member of the executive committee of the Combined Professional Societies were the other officers chosen.

After the business meeting Major Sers of the Ordnance Department at the Watertown Arsenal spoke to the gathering on the Olympic Games. Major Sers will probably represent the United States in the pentathlon and fencing events at the games this year. He told of his experiences in past Olympics, mentioning among other things the excellent sportsmanship of the Americans. He also spoke of the poor housing and track conditions experienced at previous games.

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Notices and Announcements

All notices for this column should be in by the morning of the day preceding the issue.

OFFICIAL

LECTURES ON COURSES

Fri., May 2nd, VII, Biology, Room 10-275, Prof. Prescott.
Mon., May 5th, VIII, Physics, Room 4-231, Prof. Norton.
Tues., May 6th, III & XII, Mining and Geology, Room 4-345, Prof. Lindgren.
Wed., May 7th, X, Chem. Engineering, Room 4-270, Prof. Lewis.
Thurs., May 8th, XIII, Naval Archt., Room 3-270, Prof. Jack.
Fri., May 9th, XIV, Electrochemistry, Room 4-231, Prof. Goodwin.
Wed., May 14th, IX, General Science, Room 4-270, Prof. C. L. E. Moore.
All talks are given at 5 P.M. and are open to all freshmen.

THESIS INSTRUCTIONS

All material to be blue printed for use in theses, when typewriter is used, should be written with carbon paper at back of sheet in order to have letters stand out clearly.

"THE WORLD'S STRUGGLE FOR OIL"

Correction of Previous Notice
The date of exhibition of this moving picture has been changed to Friday, May 9, 4-5:30 P. M. in room 5-330.

ALDRED LECTURE

The tenth lecture in the Aldred Series will be given on Friday, May 2, at 3 P. M. in room 10-250 by Mr. Allen H. Rogers, Mining Engineer. Subject: The Business in Engineering.

These lectures are open only to Fourth Year and Graduate students and to members of the Instructing Staff. Exercises in Fourth Year and Graduate subjects will be omitted on Friday, May 2 from 3 to 4 P. M. These exercises will be made up later as arranged by the individual instructors.

UNDERGRADUATE

DORM DANCE

There will be an informal Dorm Dance, tonight. Music will be furnished by the entire Musical Clubs Dance Orchestra. Tickets are \$2 a couple and will be on sale this week in the main lobby from 12 to 2, or they may be secured from the Dorm. Supt.

CHEMICAL SOCIETY

Smoker in north hall Thursday at 7:45. Captain Waitt and Professor Bunker will speak and there will be an exhibition of glass blowing. Everyone welcome.

M. E. SOCIETY

Mechanical Engineering Society elections of officers for 1924-1925 will be held in room 3-460 today from 9 to 5.

OUTING CLUB

A meeting of all members of the Outing Club will be held Monday, May 5 at 5:15 in Walker. Elections will be held at this time.

CLASS OFFICERS ELECTIONS

Nominations for Class Officers must be filed at the Information Office between 9 today and 12 tomorrow.

MUSICAL CLUBS

General Meeting of the Combined Musical Clubs in room 10-250 today at 5.

MATH CLUB

Prof. Hardy of the Physics Department will speak on "Solar Measurement" at the next meeting of the Math Club in the faculty and alumni room, Tuesday, May 6.

TECHNOLOGY DAMES

The Harvard Dames will be the guests of the Technology Dames at the meeting to be held in the Emma Rogers room, Monday, May 5. A program of readings by Mrs. Webster, dancing by Mrs. Pieb. and vocal numbers, will be followed by tea.

DARTMOUTH CLUB

The final dinner of the year will be in the Walker grill, Monday, May 5, at 5:30. All members are urged to be present for the election of officers and discussion.

CHORAL SOCIETY

There will be a meeting of the Choral Society in room 5-330, this afternoon at 5 o'clock. Meet at Evans Memorial Hospital, 80 East Concord Street, at 3:30 o'clock next Sunday afternoon.

COMPANY A CORPORALS

Corporals of Company A, R. O. T. C. (Engineers) may obtain warrants by seeing Lieutenant Levy in room 3-310.

RADIO BANQUET

The annual banquet of the M. I. T. Radio Society for New England amateurs will be held May 17, in north hall, at 6:30. Tickets may be obtained at \$2.50 each from the officers of the society and from the officers of the Commonwealth Radio Association.

CORPORATION XV BANQUET

Tickets for the annual banquet on May 7 at Hotel Westminster may be obtained from any members of the committee or from Miss Barnard in room 1-181. Special entertainment and speakers Tickets \$2.25.

M. E. LUNCHEON

Any member of the M. E. Society who desires to attend the buffet luncheon at 6 see any officer of the society before Saturday.

A. S. M. E. MEETING

All members of the A. S. M. E. are invited to attend a lecture to be given by Mr. Moulthrop on "New Edison Station at Weymouth" in the chemical laboratory of Tufts College on May 15 at 8.