

VARSITY TO RACE SYRACUSE FRIDAY ON SENECA RIVER

Oarsmen To Entrain Tonight so
As to Have Thursday
for Practice

VALENTINE IS AT STROKE Crews Put Through Stiff Work- out In Preparation For Syracuse Race

After a sojourn of only three days here the Varsity crew will leave for Syracuse tonight where they will race the Orange on the one and one quarter mile Seneca River course on Friday afternoon. During the last three days the crew has been going through the same routine of practice which was characteristic of Coach Bill Haines' preparation for the Navy. The lineup of the crew has been unchanged since the Navy race with Valentine at stroke, who replaced Greer in this position at the last hour. The crew will not take their own shell as the expense incurred by transporting a shell is very excessive. However, the sweeps and swivels will be taken along.

This shifting from one shell to another has made it rather hard for the crew to get used to any one shell. According to Coach Haines the crew is handicapped a great deal by this as the men have to learn by experience just how to balance a certain boat. "Down on the Severn at Annapolis the crew used a Navy shell and it took several days before the men were comfortable in that shell. Coming home their old shell did not seem the same and for the last few days they have been getting acquainted with their own boat," said Bill Haines. "Now we are going to Syracuse and will race in a shell in which we have only one day to practice in." Despite this handicap the crew made a fine showing at Annapolis against the Middies, the time being es-

(Continued on Page 3)

CLASS NOMINATIONS TO BE IN BY END OF WEEK

Nominations for the various class officers for the three lower classes are due at the Information Office, room 10-100, between 9 o'clock Friday and 12 o'clock Saturday. The nomination papers must be in the standard form approved by the Institute Committee, and be signed by 10 members of the class and by the candidate. The form is given in the T.C.A. handbook.

Besides the usual list of candidates each ballot will also contain an amendment to the Constitution to be voted on by all four classes. "The Chairman of the Walker Memorial Committee shall be an ex-officio member of the Executive Committee of the Institute Committee" is the motion to be voted on. No room has been obtained as a polling place as yet.

MENORAH SOCIETY TO HOLD DANCE TOMORROW

Following the policy of last year, the Technology Menorah Society will hold its annual dance tomorrow evening in the north hall of Walker at 8 o'clock. Music for the informal dancing will be furnished by LeRoy Johnson's four piece orchestra. A surprise in the form of a specialty act being planned by the committee. Tickets may be obtained from any of the officers at \$2.

The annual election of officers will be held Tuesday, May 6. All members will receive cards announcing the time and place.

BIBLE STUDY MEETING COMES TOMORROW

Meetings of the Bible Study Group will begin again tomorrow night after suspension of the meeting during the Junior Week period. The group will meet at the Dormitories in room 404 at 7:30, with Dr. M. S. Bush, the Presbyterian student pastor for Greater Boston, as leader. There will be two more meetings, on May 8 and 15. Everyone is cordially invited.

EX-PRESIDENT NICHOLS DIES WHILE DELIVERING LECTURE—PROFESSOR HOFMAN STRICKEN BY PARALYSIS

PROFESSOR HOFMAN SICK EVER SINCE A FORMER ATTACK

In Charge of Department of
Mining and Metallurgy
For Seven Years

AUTHOR OF MANY BOOKS

Recognized as an Authority on
Subjects of Mining and
Metallurgy

Dr. H. O. Hofman, Professor Emeritus of Mining and Metallurgy and former head of the department, died at his home in Jamaica Plain Monday morning from a paralytic stroke. Professor Hofman had been ailing for some time, an attack similar to the one which caused his death received in 1921 was the cause of his retirement as a member of the faculty of the Institute.

He was born in Heidelberg, Germany on August 13, 1852, and most of his education was gained in German schools and universities. He received his E. M. and Met. E. degrees from the Prussian School of Mines at Clausthal in 1877 and 12 years later received his degree of doctor of philosophy at Ohio University.

Wrote Many Books

For 12 years after his graduation from the School of Mines, Professor Hofman served as a practicing metallurgist. In 1887 he came to the Institute as a private assistant to Professor R. H. Richards and as a special lecturer in metallurgy. He was promoted to Assistant Professor of Mining in 1889 and in 1891 was made an Associate Professor in that subject.

From 1898 to the time of his retirement in 1914 he served as a professor and in 1914, due to the death of Professor Richards, was made head of the department of Mining and Metallurgy. Dr. Hofman was the author of numerous books and treatises on his chosen subject, best known among which are "Metallurgical Chemistry," "Metallurgy of Iron and Steel," "Metallurgy of Lead," "Metallurgy of Copper," and a book entitled "General Metallurgy."

He was very well known in scientific circles and was a member of a large number of societies. He was a member of the American Chemical Society, the American Institute of Metals, the American Institute of Mining and Metallurgical Engineers, the British Institute of Metals and the American Institute of University Professors. The remains will be cremated at the Massachusetts Crematory at Forest Hills this afternoon.



DR. ERNEST FOX NICHOLS

MINER WILL GIVE ALDRED LECTURE

"The Business of Engineering"
Subject of A. H. Rogers'
Talk This Week

Allen H. Rogers '90, a prominent consulting mining engineer, will give the tenth lecture of the Aldred series in room 10-250 Friday at 3 o'clock. He has chosen "The Business of Engineering" as the topic of his address, and has had a wide experience in the engineering profession to draw on.

Mr. Rogers is a member of an old New England family being a descendant of Peregrine White, one of the Mayflower passengers, and was born in Marshfield, Mass., in 1871. Upon his graduation from Technology in 1890 he went to Arizona with Phelps, Dodge and Company, a mining concern. He remained in the West until 1906 serving with the American Smelting and Re-

(Continued on Page 4)

Notice of Coop Theft Disturbs Manager's Sleep

Amateurs Get Away With Ten
Dollars From Store
After Scare

At about 1 o'clock last Sunday morning A. G. Noyes, manager of the Technology Branch of the Harvard Cooperative Society was awakened to answer a telephone call informing him that the store had just been robbed for the second time this year. According to Mr. Noyes, he immediately dressed and hopped onto his trusty bicycle and dis-regarding all traffic regulations, without even a tail light, he made a bee line for the store. Upon finding that nothing serious had occurred he returned to resume his slumbers. The intruders had only succeeded in absconding with about ten dollars in cash.

The pair entered by the side door, prying back the iron grating on the inside of the door and breaking the padlock which secured the grating. By removing several of the panes of glass in the door they were able to make an entrance. The manager's desk was sacked and a little loose cash that had accumulated from odd sales was taken. Nothing else of value was lost from the desk although it was in a hopelessly disordered condition. An attempt was made to open the merchandise safe wherein the jewelry and drawing instruments are kept at night. It was the failure of this attempt that caused the hurried departure of the thieves. The handles were broken off the safe creating such a disturbance that the intruders were afraid to proceed further. The money safe was also attacked with no results. In making their escape, a pane of glass in a show case near the door was shattered by the pair.

From the appearance of things directly following the robbery, it was evident that the men were quite new at the job. Their tools were of the crudest nature; a long iron pipe was the instrument used to force an entrance and probably in attempting to open the safes.

EXPERIENCED BREAK SOON AFTER BEING CHOSEN PRESIDENT

End Came Unexpectedly During
Lecture at Academy of
Science Meeting

DEATH SURPRISE TO ALL

Inauguration as President of
Technology Took Place
June 8, 1921

Officials at the Institute were greatly shocked yesterday morning when they received the following telegram from President Stratton:

Washington, D. C.
Ex-president Nichols died suddenly this morning while delivering an address before the National Academy of Science. Have flag at half mast.

Dr. Nichols was addressing the National Academy of Science in the building at Potomac Park which President Coolidge dedicated yesterday. He had just turned to a chart illustrating the subject he was discussing when he suddenly slumped to the floor. Mrs. Nichols and several physicians who were in the audience rushed to the platform but he was beyond medical aid. He had a breakdown several years ago and since then has suffered from heart attacks. He is survived by his widow and a daughter.

President Stratton has gone to Washington to attend the dedication ceremonies and it is believed that he was present when Dr. Nichols collapsed. Dean H. P. Talbot '95 said yesterday, "The death of Dr. Nichols was a great surprise to all who knew him for, although he had been in ill health for some time, such a sudden decease was entirely unexpected. The circumstances attending his breakdown indicated that he had worked too hard of late and was completely worn out. I can sincerely express on the part of the Institute the deepest sympathy for Mrs. Nichols and her daughter."

W. M. Ross, General Secretary of the T. C. A., stated, "It was my good fortune to serve under Dr. Nichols for four years as Graduate Secretary of the Dartmouth Christian Association."

(Continued on Page 4)

SOPHOMORE MILITARY MEN BUILD TRENCHES

In order to give the Sophomores in the R. O. T. C. unit some practical experience in warfare construction, those in the Chemical Warfare and Engineer Units will be given an opportunity to engage in the actual work of trench building. Yesterday morning the Engineers were furnished with picks and shovels, which they paraded around, while men from the Chemical Warfare Service Unit did the work of digging. In the words of one of the officers of the Engineer Unit, "The Engineers were performing their proper function of making others work."

For the next three weeks the Engineers will be engaged in this sort of work, on demolitions, erection of sapper jacks, blocks and tackles, and so forth, doing the actual construction work themselves when necessary. The Engineer officers expect that this will help the Sophomores to understand their work next year.

CALENDAR

Thursday, May 1
8:00—Menorah Society dance, north hall.
Friday, May 2
3:00—Dorm dance, main hall.
Saturday, May 3
8:00—Archimedes Society, dinner dance, north hall.
Friday, May 9
8:00—Catholic Club dance, main hall.
6:00—Class of 1905 dinner, Faculty dining room.

Senior Submits Check to Fulfill Moral Obligations to Technology

At the request of the author of the letter printed below, Bursar H. S. Ford made an investigation of the cost to the Corporation of a year's work for a man as against the amount paid by that man to the Institute. The first figure was calculated for each year since 1866, in which year it amounted to approximately \$175, up to the year ending June 1923, for which year the figure was estimated at about \$660. Massachusetts Institute of Technology, Cambridge, Massachusetts.

Dear Sirs:
May 1, 1924.
Current discussion regarding the "Swope Plan" of tuition has opened my eyes to a moral obligation incurred when I accepted an education costing the Institute about \$2200 and paid but \$1200 for it.

Being, fortunately, in a position to do so, I am enclosing a check for \$1052.50, which, I trust, you will accept in repayment of this debt. This

represents the difference between what the average student has cost the Institute and what he has paid during the last four years, with interest figured from July 1 of each year.

This sum is to be invested by the Institute, and in twenty-five years the principal and accrued income is to be turned over as part of the Class of 1924 Endowment Fund or it may at any time be diverted by the Executive Committee to any such uses as they may designate. However, no portion of the principal or accrued income is to be used to pay overdue insurance policy premiums, or for any purpose, which involves paying the debts of another.

I realize that there remains an unmeasurable obligation to those who have made sacrifices so that the high educational standards of the Institute might be available to the greatest number, but this cannot be pecuniarily repaid.

Sincerely,

Member of the Class of 1924.

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of Technology

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News and Editorial—Room 3, Walker Memorial, Telephone, Univ. 7029
Business—Room 302, Walker Memorial, Telephone, Univ. 7415

SUBSCRIPTION PRICE, \$2.50 PER YEAR
Published every Monday, Wednesday and Friday during the college year.
Entered as Second Class Matter at the Boston Post Office

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In Charge of This Issue:

Charles Rich '26

THE Institute did not have the benefit of Dr. Ernest Fox Nichols' leadership for any length of time. The students as a whole knew him not at all. To us and to the world, however, he is known as a great physicist and a great educator, and as such we mourn him.

For many years an educator, he has held the President's chair both here and at Dartmouth College. He is perhaps best known for his experiments on radiation, to which field of science he has largely contributed. A capable man and an energetic one, he died of heart trouble caused by overwork. The death of Dr. Nichols took from the world one of its most useful men, and from science one of its greatest luminaries.

WITH the death of Professor H. O. Hofman Monday, the world of science has lost another of its leaders. After serving at the Institute for over thirty years he was retired two years ago by age limitation. By that time he was head of the Department of Mining and Metallurgy at Technology and was recognized as one of the foremost men in this field in the world. He specialized in lead, but his treatises on lead, copper and zinc are accepted as standards.

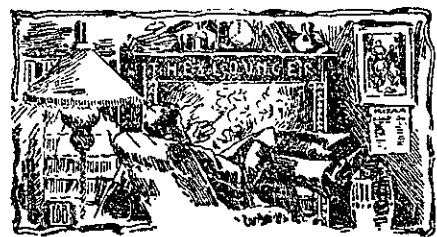
POOR SPIRIT

AT the conclusion of the past Junior Prom the committee found that a great deal of petty thieving had taken place. This is not only morally wrong but it is working a hardship upon the members of the Junior Prom Committee as it is they who must pay the bill in case enough subscriptions are not obtained. It is not exactly known as yet whether the past Prom Committee will have a deficit or not, but it is certain that none of the members of the committee will be able to take out their personal expenses, which is no small item.

Quite a few more meals were served at the dinner than there were subscriptions to pay for them. Stags, who explicitly understood that dinner was not included in their subscription forced their way in and as a result the committee is out on that score. Pretty partners instead of obtaining one favor obtained anywhere from two to three so that when the late arrivals from the show appeared on the scene they were forced to do without.

What is to be the natural result of such actions? Must next year's Prom Committee be forced to issue a "season" ticket containing stubs for everything obtainable? What an impression such action will have upon the "Prom Miss" as to the character of the Technology man! It is a question that should be given careful thought and should be reflected in our future actions if Technology's reputation for "honesty above all things" is to be upheld.

THE TECH takes great pleasure in announcing the election of H. M. Houghton '27 as Assistant Circulation Manager.



Take note of Mr. Messer's communication, received before the sheet had been on the stands half an hour. One of the easiest ways to win an argument is to hand your worthy opponent a stack of dry books and say "Read these and you will agree with me." As far as the Lounge could ascertain the Editor has no idea of doing any such thing. Especially as the worthy Messer defends one type of scientist when another is attacked.

All honor to the true scientist, Mr. Messer. With him we have no fight. It is with the half-baked lads that go off on the slightest provocation (such as you, Mr. Messer) we would contend. No knowledge of science is perhaps all right. A thorough knowledge of your subject is likewise O. K., but the laddie that knows a little, and that not very well, let him hold his tongue. He would learn more and his mates would be bothered less.

When are we going to hear the end of the Prince's equestrian disasters? The Lounge has heard of little else recently. Just one alleged joke after another about the tumblers of the poor Prince of Wales. If H. R. H. insists upon trying to break his royal neck, let him do it in peace! Let him get thrown and enjoy himself, but for goodness sake, find some new subject for cartoons.

In the last week, the Lounge has seen by actual count six lists of the prince's falls, telling of over a dozen in the course of the past two years; four cartoons about the fallen knight (one of them bringing in an atrocious pun about "nightfall"); eight comic strips of the "Why-am-I-like-the-Prince-of-Wales? Because-neither-of-us-can-ride-variety; seven magazine articles expressing deep concern about the Prince's "My kingdom for a horse" attitude; and 21 jokes, ascribed to every one from H. M. the King to President Coolidge. The favorite seemed to be "There goes the Prince off his horse again. He was travelling incognito, too." "Yes, but you can't fool a horse." The Lounge suggests that we give the poor chap a chance, and get some new bone to pick.

COMMUNICATIONS

To the Editor of THE TECH:

I have been interested, as most other Tech men probably have, in the plan proposed by Mr. Swope and it seems to me that a little comment would not be out of place.

Mr. Swope is a wise man and has, without doubt, given his plan considerable thought, but it seems to me that the project, if carried out, would have a detrimental rather than a helpful effect upon the Institute. One of my objections to the plan is that it would reduce the number of good men who would come to the Institute each year. If the tuition were advanced to meet the cost of education I believe that if the registration did not fall off at least fifteen hundred to two thousand men would have to borrow money to meet the increased cost. Many men are at present leaving the Institute in debt and an added debt of a thousand dollars more or less would not facilitate matters. If a man starts his life work at twenty-five or thirty dollars a week with a debt of more than a thousand dollars he is indeed handicapped. There is no possible reason to believe that the men best able to meet increased expenses are the best men or the men most worth educating.

The idea of our modern system of education, as I understand it, is to make the more advanced, more highly specialized forms of education more easily accessible to all—to increase the advantages open to rich and poor alike. I think that a much wiser, much more consistent, much more efficient plan, as an educational program rather than one of business, would be to reduce the tuition rather than to increase it and to determine one's fitness to remain at Technology as far as possible by his ability to do the assigned work.

Sincerely,
Stuart John '26.

To the Editor of THE TECH:

I noticed your editorial Monday on "Fatalism and Laziness." I heartily agree with your attitude towards narrow-mindedness. However, don't forget that science is organized common sense, and truth, if there is any anywhere. Moreover, it deals with all phenomena in an absolutely impartial manner. Spencer rightly said that it was our greatest inheritance and that we all should regard it with the most profound respect. You mentioned "progress" in your editorial—I suggest you read Professor J. B. Bury's "The Idea of Progress," and if this makes no impression try Professor J. W. Draper's "Conflict Between Religion and Science."

Hopefully yours,
W. E. Messer '24.

CINCINNATI CAPTAINS ARE TO BE APPOINTED

Captains of athletic teams at the University of Cincinnati will hereafter be appointed by the Athletic Council instead of being elected by their teammates. This ruling is not intended to cast aspersions upon past and present captains, nor does it affect the status of those newly elected. It is intended to do away with fraternity politics in the selection of leaders for the various sports.

This action follows closely a mass meeting of students of Miami University at which the resignation of the basketball captain-elect was demanded on the grounds that he had been chosen because of his fraternity connections, rather than because of athletic ability.

HARVARD LIBERAL CLUB OPPOSES THE R.O.T.C.

The Liberal Club at Harvard has been trying for some time to stir up opposition to the R. O. T. C. Their campaign has aroused considerable interest and curiosity. Last week after a long discussion, a definite agreement was reached by those members who were present at the meeting, about the proposed circulation of a petition advocating the abolition of the Military Science Department. The officers of the club refused to give out any information as to the stand taken last week. A vote of the entire club will be taken on the question before the results are made public. Even if the Liberal Club votes against the Military Science Department, it is extremely unlikely that the R. O. T. C. will be done away with, as the need of an organized reserve army is recognized by all who have the least bit of patriotism in their make-ups.

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INTERESTING PLAY AT ST. JAMES THIS WEEK

"East Side, West Side," a dramatization of New York life, by Leighton Osmon and Henry Hull, is being played by the Boston Stock Company at the St. James Theatre this week. Although the plot is distressingly odd it is refreshed a good deal by a clever bit of comedy which runs throughout the play. It is very well acted and provides an excellent evening's entertainment.

It is the story of the poor but ambitious girl who lives in a tenement in Act I and who marries the young millionaire at the end of the play, there being the usual complications in regard to social standing and the like. A little variation is introduced by the fact that Duncan Van Norman, the millionaire, who is very well portrayed by Walter Gilbert, is averse to any attention on the part of the fair sex and lives according to a very strict code of morals. Ann Mason, in the role of the girl, gives an excellent performance.

Paul Gordon, playing the part of Hendrick Van Dekkar, who is handicapped in his love affairs in that he is unable to speak a word of English, draws most of the laughs in the play. Mrs. Van Norman, portrayed by Anna Layng, takes the part of a very unusual mother, tempting her son to become the least bit wicked, while Ralph Remley, as Skiddy Stillman, gives a very good characterization of a society man.

A BERNARD SHAW PLAY THIS WEEK AT COPLE

Bernard Shaw is always interesting in any form. "The Devil's Disciple" shows him in his lightest and most entertaining mood, and the Copley players do it sufficiently well to give the audience a full measure of his drastic art and satirical humor.

The plot is laid in American Revolutionary times. Richard Dudgeon, man of the world and religious scuffer, breaks puritanical conventions with great glee. The clergyman of the town is to be hanged by the British, and Dudgeon, the devil's disciple, voluntarily takes his place and proves himself a man. The clergyman's wife is involved—the usual triangle. Clever incidents lead to a climax in the gallows yard. The British war department and army are severely criticized, and the New England clergy come in for a good bit of satire.

Hugh C. Buckler playing Richard Dudgeon in a swaggering carefree manner gives the best characterization. Those seeking pure amusement are prone to steer clear of Shaw because of his "heaviness," but genuine diversion, rather than the usual philosophical propaganda, is to be found in "The Devil's Disciple."

J. R. K.

Play Directory

COLONIAL: "The Caddie Girl." The Filene Musical comedy. Good. This week only.
COPLEY: "The Devil's Disciple." Reviewed in this issue.
HOLLIS: "The Changelings." Comedy.
PLYMOUTH: "The Rabbit's Foot." Very amusing comedy of present-day society.
ST. JAMES: "East Side, West Side." Reviewed in this issue.
SELWYN: "The Heart of Paddy Whack." Canoeing Olcott. Last week.
SHUBERT: Chauve Souris. New bill but same show.
WILBUR: "The Gingham Girl." Musical comedy. Last week.

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CREW LEAVES TODAY FOR SYRACUSE

ENGINEER TENNIS TEAM WILL MEET BOSTON COLLEGE

Oakley Courts This Afternoon To Be Scene of Second Match of Season

WEI HELPS CAPT. TRESSEL

Today the Engineer tennis team will meet Boston College for their second match of the season. The game is scheduled to start at two o'clock, and will be played on the Oakley outdoor tennis courts. Captain Tressel plans to run the same team against B. C. that defeated B. U. so decisively last week Tuesday; and as Boston College was defeated rather badly by Boston University last year, the Institute racquetters are looking forward to an easy game.

Probable Lineup
After the B. U. game which turned out so successfully the Beaver team is in fine condition to meet the B. C. players. Just who will make up the team is still uncertain; however, Captain Tressel and Russell are sure to play. Dunn has been showing up well in the eliminations held during the past week, and will probably play third man. In the B. U. match he played third and easily disposed of his opponent. Harris it is expected will play fourth, for in the eliminations he played Broadhurst to a 6-1, 6-0 defeat thus placing himself fourth on the list; although Broadhurst played well in the doubles with B. U. he has been slipping fast this last week during the elimination contest, being beaten by Eddy just recently and now holds seventh place. Harris has shown marked improvement over his playing in the B. U. game, and if he continues in his present form he will greatly strengthen the team in this afternoon's match.

Wei Assists Team
W. L. Wei '18, former captain of the Institute team, has been helping Tressel and Russell during the past weeks, and has been a great aid to them because of the valuable experience he has to draw from. Wei came over with the China Davis Cup team and took the intercollegiate championship honors in both singles and doubles. He captained the Institute tennis team in 1918, and that year they rated second. His assistance in coaching has greatly strengthened the team, and it is considered very fortunate that he is able to assist them.

CRIMSON DEFEATS BEAVERS IN GOLF

Matches at Woodland Golf Club Prove Disastrous for Technology

In the second match of the season yesterday afternoon the Harvard golfers completely subdued the Beaver team by a 6-0 score. The playing on both sides was not as brilliant as it might have been but in all probability this was due more to lack of practice than to any faults on the part of the players themselves.

Harvard, it must be admitted, had the better team but not by much. The scores in some cases were quite a bit against the team but it can be truthfully said that each hole was hard fought for and there were no easy wins during the whole afternoon on either side.

Clough did the best playing on the whole even though he did not win by quite as high a score as Mates, while Larkin was unquestionably the Beavers' star man. Massey did mighty well and lost by the smallest score in the whole match. He played against Pearson and lost 3 and 2. Mates beat Head by 8 and 7 but principally because Head weakened at the last few holes in the same way that he did against Brown. At the beginning he was going strong and it certainly looked as if he had the bout all sewed up as his very own, but on the return holes he weakened perceptibly and lost almost every hole.

Larkin lost to King by 4 and 2 in what was probably the most interesting match of the meet. Both did some pretty good playing and played fairly evenly throughout the afternoon. On most holes it was a toss up until the last stroke and if there had been any kind of a gallery it would certainly have kept them on their feet the whole time. Clough beat Fitch 4 and 2 but although the game was well played and Clough did some very good work both men made quite a number of fizzes.

In the foursomes there was better playing in general but even at that the Engineers were beaten pretty badly. Head and Massey lost 6 and 5 while Fitch and Larkin lost 5 and 3. The next meet will not be for some time so that the men will have an opportunity to practice up. It is to be hoped that they will avail themselves of the chance for that is certainly the one they need.

CREWS LEAVE TO RACE SYRACUSE ON SENECA

(Continued from Page 1)

pecially good over the Henley distance of one and 5-16 miles.

At present from yesterday afternoon's seatings the crew going to Syracuse will be made up of the following men: No. 1, Hamblet; No. 2, Sayre; No. 3, Horle; No. 4, Latham; No. 5, Herckmans; No. 6, Coleman; No. 7, Eaton; stroke, Valentine; coxswain, Reid. G. S. Stoddard '26, assistant manager of crew will accompany the crew, also Pat Manning. The substitute to be taken along has not yet been selected by Coach Haines.

CLASS BASEBALL TEAMS ARE EVEN

Seniors Fresh From Victory to Play Frosh This Afternoon

This afternoon the Senior warriors will meet the frosh in what from all prospects will be a rip snorter of a ball game. Last Friday the Seniors redeemed the humiliating defeat handed them by the Juniors when they trounced the Sophomores soundly, winning by the record score of 22 to 8. In as much as the Sophs beat the freshmen, who in their turn defeated the Senior-conquering Juniors, it will be the deciding game of the series in forecasting the champion.

Monday the frosh elected Cap Crandall as captain of the baseball team. Crandall has had plenty of experience at the game being on the Somerville and Williston Academy teams. He plays at first base and last year was picked for this position on the mythical nine. Of late the frosh have played some snappy ball and are going at a high clip under the tutelage of Luke Bannon who played ball at New Hampshire.

Fitzgerald to Pitch

Bill Walterskirchen, the Senior captain took the team through an hour's fielding and batting practice on the diamond yesterday. Fitzgerald, last year's star pitcher, is scheduled to start against the frosh batsmen. He is a hurler of a great deal of experience, pitching on the semi-pro teams of East Cambridge and Reading during last summer. A good chance to see whether the frosh are the sluggers they are touted to be will be available at today's game. In the game with the Juniors the frosh solved Ingram's delivery in the last half of the seventh inning for eight hits, thus slugging their way to victory.

In the series for the cup, the teams are all tied, each team having lost one game and won one. In one game a team may be going in top form and the next playing the lowest form of sandlot baseball. Against the Juniors the Seniors played like a lot of farmers but in last Friday's game presented a powerful scoring and fielding combination. Several of the onlookers remarked that this game was the best played of the season. However, today's game is expected to show some fine ball-playing.

Tonight the varsity crew leaves for Syracuse where it will meet its second big test of the season Friday afternoon. Not over optimistic forecasts are being made by Coach Bill Haines or by any members of the crew, but Capt. Eaton's men showed what they were capable of doing at the Navy and the Orange oarsmen will have no easy task on their hands Friday.

Track Team Leaves for Princeton Tomorrow

The varsity track men leave tomorrow night for the first meet of the season which is with Princeton Saturday. Going by the Fall River line, they will reach New York Friday morning and Princeton by noon. Coach Connor will put the Engineers through a workout in the afternoon. The following men will make the trip:

Capt. Ambach	Hoxie
Bailey	Jeppe
Ballentine	Joyce
Blodgett	McArdle
Chen	Phelps
Copley	McLean
Davidson	Rooney
Drew	Sanford
Fife	Symonds
Fort	Rogers or
Gerrard	Makepeace
Greene	Coach Connor
Hooper	Trainer Johnson
Howlett	Ex-mgr. Northrop

TWO RECORDS ARE BROKEN BY FROSH IN SCHOOL MEET

Wiebe Clears Old Mark By 3" —Glantzberg Makes Record Shot Put Heave

ARLINGTON MEET LIVELY

Yesterday the frosh added a second to their list of victims when they doubled Arlington High's score to the tune of 51 to 21. Fred Glantzberg shaded the freshman record when he put the shot over 43 feet while Jack Wiebe cleared the old mark of 20 feet 1 inch by a fourth of a foot. Arlington High has always had a strong local team and this year they are champions of the Suburban League, so it can easily be seen that the frosh were right on their toes to win by such a decisive score.

Kauzman ran a beautiful race in the hundred and never appeared to be pushed, but his time on a soggy track and into a wind was very good. Steinbrenner pushed him the whole way but evidently was not in his best form as he only got second. In the 220 Kauzman again led the field in the time of 23.3 with his teammate Bud Cole in third place. Thomas romped away with the quarter as Mercer did not run.

Frosh Win Mile Handily

Arlington has always had good distance men so every one expected to see them sweep the mile, however, Joe Gaylord placed first with Dinan second in a very fast race. Fred Glantzberg brought home first in the shot with a record breaking heave and second place in this event went to Willcutt. On his last try Jack Wiebe broke the freshman record in the broad jump and Wiebel was just beaten out of second place by a scant inch. Bob Dexter was again absent but Tracy knocked down first at the height of five feet. The other events were not held because of the smallness of the Arlington team, but those men placing are to go to Andover next Saturday.

Summary:

100 yard dash: Kauzman (T), first; Steinbrenner (T), second; Babbett (A), third. Time, 10.4.
220 yard—Kauzman (T), first; Babbett (A), second; Cole (T), third. Time, 23.3.
440 yard—Thomas (T), first; Hardy (A), second; Marsters (A), third. Time, 56.1.
Half mile—Mercer (T), first; Perkins (A), second; Walsh (A), third. Time, 2:14.
Mile run—Gaylord (T), first; Dinan (T), second; Walsh (A), third. Time, 4:53.4.
Broad Jump—Wiebe (T), first, 20 ft. 4 in.; Marsters (A), second, 18 ft. 6.5 in.; Wiebel (T), third, 18 ft. 5 in.
High Jump—Tie, Tackirly (T), Rice (A), 5 ft.; Revell (A), third, 4 ft. 10 in.
12 lb Shot—Glantzberg (T), first, 43 ft. 7 in.; Willcutt (T), second, 41 ft. 5.5 in.; third; Marsters (A), 37 ft. 11 in.

Class Crews Are Practicing Hard For Cup Regatta

Crews Are Rapidly Rounding into Form Under Tutelage Of Coaches

As the day of the Richards Cup race approaches, the activities of the various Institute class crews are increasing rapidly. Inasmuch as the third Varsity and third 150-pound crews have been discontinued, the men composing these two combinations have become valuable additions to the crews of their respective classes. These men, together with the 40-odd candidates that presented themselves to Assistant Manager Moore before the Spring recess, are now boated and going through daily workouts on the Charles. The coaching of the freshman class crew, which is the regular freshman competitive crew, continues in the hands of A. W. Stevens, freshman coach last Field Day, while the men of the other three classes are in charge of Professor Dellenbaugh and Ralph May of the Union Boat Club.

Men on the ineligible crew will join their class crews as soon as that outfit has completed its spring schedule of one race. Just when this race is to come off seems to be a matter of some doubt, and it is even possible that the second freshman crew may be given the race, which is with Lynn Classical.

The line ups that have been rowing together for the past few days are by no means finally decided, and are subject to changes at any time before the

racers. The combinations that went out yesterday were as follows:

Senior Crew: Bow, Creveling; 2, Kelly; 3, Rosenwald; 4, Kennett; 5, Carlson; 6, McCarty; 7, Reed; stroke, Brill.
Junior Crew: Bow, Pardo; 2, Collins; 3, Ward; 4, Gilbert; 5, Werner; 6, Kirsch; 7, Uman; stroke, Goldman.
Sophomore Crew: Bow, Green; 2, Perry; 3, Norton; 4, Vosper; 5, Drane; 6, Biehle; 7, Robinson; stroke, Petzold.
Freshman Crew: Bow, Buckley; 2, Williams; 3, Osborne; 4, Moineau; 5, Hammond; 6, Johnson; 7, Harvey; stroke, Eaton.

To Race Stone

At the boathouse every afternoon, the crews are practising for the fast approaching races in which they will match themselves against the oarsmen of the surrounding schools. The first frosh crew drew first blood of the season when they easily won over the Huntington eight, while Stone defeated the second freshman. Saturday the first frosh are posted to race Stone along with the first 150 pound crew.

This race ought to be a thriller as Stone is rated above the Huntington aggregation, and therefore ought to provide more competition than the latter crew. In the race with Huntington the frosh easily pulled away from their opponents and as soon as the fifteenth stroke, the Engineers gained a commanding lead. During the rest of the race they were not pushed very hard and kept ahead of their rivals.

With the 150 pound crew in the race also, a fine contest is a certainty as this crew, once rated the snappiest crew at the boathouse, has lost very little if any of its former prestige. In an informal race a short time ago they finished ahead of the frosh by about a half a length. This race will give Coach Stevens the inside dope on the strength of his crew and will provide a forecast as to how the frosh will show up in the race with Harvard frosh on the following Saturday.

The line-ups: 1, Copeland; 2, Emery; 3, Lammert; 4, Derby; 5, Blanford; 6, Collins; 7, Kales; 8, Tappan, and coxswain, Cohen. On the 150 pound crew: 1, Grove; 2, Rousseau; 3, Hall; 4, Butler; 5, Flexington; 6, Geis; 7, Davis; 8, Kaufman, and coxswain, Thomas.

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RESERVE OFFICERS TO HEAR MUSICAL CLUBS

Last Performance of Year To Be Given at Copley Plaza

In a concert to be given for the Federal Reserve Officers Society at the Copley-Plaza Hotel tomorrow evening at 8 o'clock the Combined Musical Clubs will make their last appearance this season. The program will be similar to that rendered at the Spring Concert with one or two slight changes. There will be a dance following, for which music will be furnished by the Clubs' Dance Orchestra. The management of the clubs wishes to make it clear that any Technology men wishing to attend the affair may do so by paying admission at the door on the evening of the performance.

The musical clubs gave a similar concert last year before the Federal Reserve officers, who requested that the clubs perform again this year.

MINING ENGINEER TO GIVE LECTURE FRIDAY

(Continued from Page 1)

fining Company and allied concerns and with other mining companies both in the United States and Mexico.

Is Alumni Council Member

Since 1906 Mr. Rogers has been practicing his profession independently and has been consulting expert of several copper firms. He is now senior member of Rogers, Mayer, and Ball, consulting mining engineers. During the war Mr. Rogers was a "dollar a year" man and served with the Bureau of Mines for the duration of the war.

Mr. Rogers has always kept in close touch with the Institute since his graduation and is a member of the Alumni Council. He has displayed much interest in societies connected with his profession, being president of the Mining and Metallurgical Society of America, and a member and former official of the American Institute of Mining and Metallurgical Engineers. Among the clubs of which Mr. Rogers is a member is the Technology Club. He is a resident of Brookline.

Notices and Announcements

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

OFFICIAL

LECTURES ON COURSES

Wed., Apr. 30th, V, Chemistry, Room 4-276, Prof. Keyes.
Thurs., May 1st, VI, Electrical Eng., Room 16-275, Prof. Jackson.
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.

UNDERGRADUATE

MENORAH SOCIETY

An informal dance will be given by the Menorah Society in the north hall of Walker tomorrow. Tickets may be obtained from any of the officers at \$2 a couple.

DORM DANCE

There will be an informal Dorm Dance, Friday, May 2. 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.

TECHNIQUE

Books given out at the office all this week. Time 12-2 and 4-5:30. Books sold to those not having signups, \$4.

T. C. A.

The T. C. A. has received 5 copies of the article "The Place of Religion in Modern Scientific Civilization," by the late Charles P. Steinmetz. These articles may be obtained by those desiring them at the T. C. A. reading table.

MUSICAL CLUBS CONCERT

Federal Reserve Concert at Copley Plaza at 7:45, tomorrow evening. Last concert. Everyone be there.

M. E. SOCIETY

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

CLASS OFFICERS ELECTIONS

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

MUSICAL CLUBS

General Meeting of the Combined Musical Clubs in room 1-250 next Friday at 5.

Mob, Cheated Out Of Movies, Hears Jazz

It was an anxious crowd that gathered in room 5-330 Monday afternoon. They assembled there with the chief idea of seeing about 7,000 feet of moving pictures of the Victorian Railway in Australia. The film was not shown; the main reason being that no operator could be obtained to run the machine. As a result the somewhat angry mob demanded that a member of the audience step out and play the piano. After finally learning that no operator could possibly be obtained the pianist concluded his syncopated melodies and the crowd dispersed.

FRESHMEN HEAR TALKS BY HEADS OF COURSES

On Monday, Professor Emerson of the Department of Architecture gave a lecture in the Commons Room at Rogers on Course IV, and Professor Dewey, of the Department of Economics gave a lecture in room 3-270 on Course XV, continuing the series of Course Lectures being given by the heads of the various courses in order to assist the freshmen to decide about the choice of a course. These lectures are to continue until May 14, and will include lectures on all the courses.

Professor Emerson explained the courses in Architecture and Architectural Engineering, and explained the sort of work a graduate of each of those courses would be fitted for. Professor Dewey's talk explained the difference between the administrative course and a scientific course as chiefly a difference between dealing with men and dealing with facts. Professor Dewey distributed the Institute's booklet explaining Course XV.

The next lecture in the series will be given in room 4-270 tonight by Professor Keyes, on Course V Chemistry. A complete schedule of the lectures may be found in the Notice Column.

INSTITUTE SHOCKED AT DEATH OF DR. NICHOLS

(Continued from Page 1)

During that period I found him at all times tremendously interested in and at all times an active supporter of everything that had to do with the development of the highest type of undergraduate manhood."

Dr. Nichols was elected President of the Institute by the Corporation on March 30, 1921. His inauguration took place in Walker Memorial on June 8 of the same year at exercises presided over by Elihu Thomson who had been acting president of the Institute. On account of ill health, however, Dr. Nichols was forced to resign before he actively assumed the duties of President. On November 3 he resigned his position in a letter sent to the corporation. F. P. Fish, chairman of the executive committee in his reply stated, "The situation set out in your letter is clearly controlling and the committee had no alternative except to accept your resignation, subject to confirmation by the corporation. As appears by vote of the committee your resignation is to take effect January 4, 1922, with leave of absence until that date."

Ernest Fox Nichols was born in Leavenworth, Kansas, on June 1, 1869. He attended Kansas Agricultural College receiving his Bachelor of Science degree in 1888. In 1891 and 1892 he was a fellow at Cornell receiving an M.S. degree in 1893 and Sc.D. degree in 1897.

President at Dartmouth

He immediately entered the teaching field as an Assistant Professor of Chemistry at Kansas Agricultural College, his Alma Mater. From Kansas he went to Colgate where he was a Professor of Physics, and from there to Dartmouth where he held the same position. Columbia University next secured his services for its Physics Department.

For seven years, from 1909 to 1916, he was President of Dartmouth College. He left here to become Professor of Physics at Yale from which position he resigned in 1920 to be Director of Pure Science at the Nela Research Laboratory. He remained in this capacity until he was elected President of Technology in March, 1921. His inauguration took place on June 8 of the same year. On account of ill health he was forced to resign. He then resumed his old position as head of the General Electric Company's Research Laboratory at Nela Park, Ohio.

Receives Rumford Medal

Dr. Nichols had an honorary Sc. D. degree conferred on him by Dartmouth in 1903, and LL. D. degree by Wesleyan in 1909, Colgate in 1909, Clark in 1909, University of Vermont in 1911, Pittsburgh in 1912, Dennison in 1914 and Dartmouth in 1916.

He received the Rumford medal of the American Academy of Arts and Sciences in 1905. His name appears in the rolls of the following societies:

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National Academy of Sciences, American Philosophic Society, American Physical Society, American Astronomical Society, and the Washington Academy of Science. He is a fellow of the American Society of Arts and Sciences and was vice-president of the American Astronomical Society in 1905.

Besides being a worker in science he has contributed much to scientific literature. He was a collaborator of the Astrophysical Journal, and was editor of the Physical Review from 1913 until 1916. He was on the Bureau of Naval Ordnance during the war and also on the National Research Council.

Perhaps his greatest fame accrues to him from his physics experimental work and especially in the fields of radiation and pressure of light. By a new form of radiometer he first discovered and measured the quantity of heat reaching the earth from several planets and fixed stars. The sensitiveness of this radiometer may be judged from the fact that it is able to detect the heat of a candle at a distance of 16 miles.

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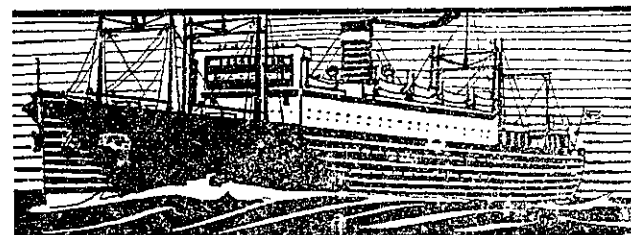
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