

THE TECH

VOL. XXXII. NO 56

BOSTON, MASS., THURSDAY, DECEMBER 12, 1912

PRICE TWO CENTS

"WAS IST LOS?"



"WAS IST LOS, FRITZ?" "I don't see you drinking beer these days yet."

"Ach, Hermann, I was saving mine pfenning for December 19th. Aint you going—what?"

"Shure I am, for I must find out 'Was Ist Los?' By December 19th, already, I vill haff zwei dollars and fifty cents, so I can take mine Frau und der drei Kindern."

Word was received at the Bull Moose headquarters yesterday that Col. Roosevelt had postponed his trip to the south pole, in order to be in Boston on December 19th. The message was accompanied by a note saying that he was at work on the Mystery and would soon come to the aid of the down-trodden masses and let them know "WAS IST LOS?" otherwise he was fit for the Ananias Club.

A secret conference was held in the mayor's office yesterday, lasting many hours. The only ones admitted were the Chief of Police, Pa Allen, and the janitor of Rogers Building. When interviewed Pa said he had nothing to say, except that they were desperately determined to find out "WAS IST LOS?" December 19th, and that the Public might rest assured that the work of solving the matter was in good hands.

HARVARD PLAY GIVEN.

"The Voice of the People" Is Title of Mr. Carb's Drama.

On Tuesday evening of this week the Harvard Dramatic Club gave its ninth annual production in Cambridge, "The Voice of the People." This three-act play was written by Mr. Carb, a graduate of Harvard and now an instructor in the English department at the Institute.

Mr. H. T. Parker, Harvard '90, Dramatic Editor of the Boston Transcript, compliments Mr. Carb most highly in the following statement: "Throughout, Mr. Carb's play is a drama of life and human nature, present interest, rapid narrative, sharp-set characters, clear and diversified emotion, and stimulating social observation. It is a piece, besides, for excellent acting and the pleasure of the theatre."

He also states in the Transcript for last evening that:

"The merits that the performances of the Harvard Dramatic Club usually attain and the shortcomings that usually beset them stood side by side in its production last evening at Cambridge of 'The Voice of the People,' written by a recent graduate, David Carb, of the Class of 1909."

(Continued on Page 3.)

ENGLISH DEPARTMENT TO HELP THE TECH

Special Section to Be Formed Next Term for Freshmen Working on Paper.

Professor Arlo Bates, as head of the Department of English, has expressed the interest that the department has shown in THE TECH by announcing a provisional modification of the course in English given to the Freshman during the second term. The department feels that if the plan works out successfully this year it can be repeated in following years, so that the interest of the Freshman in one of the greatest of the activities in the Institute may take a form of value both to the department and to the activity. The idea of substituting work on THE TECH for work in the English Department has been broached before, but the great objection has been that no arrangement for supervision of the work was included in the former proposals. It is expected that the Freshmen who come out for the paper will work under the same conditions, from the point of view of the editors, as other candidates who do not come under this ruling, except that they will be relieved of half of the time usually taken by the work in English.

The announcement of this innovation came out as follows: "The English Department has decided to establish next term a special section in first year English (140) for men who are engaged in work on THE TECH. The section will be limited to twenty, and no student will be admitted who has received a mark below P in the first term. Fifteen out of thirty hours will be allowed for work on the paper, and all articles published will, after publication, be gone over by the instructor for criticism. The amount of written work actually done must not be less than thirty-five hundred words, to be made up of copy printed by THE TECH, or of special articles submitted to the instructor. The department reserves the right to refuse to count anything which in workmanship or taste falls below a reasonable standard. Those who wish to join this section should notify the department before the close of the present term."

The section will probably meet in the late afternoon to avoid the conflicts that will be occasioned by the fact that the men are in various courses. The department has not yet

(Continued on Page 4.)

FIRST INDOOR MEET.

Will Be Held in Gym Saturday—Seven Events—All Handicap.

Saturday afternoon, at 3 o'clock, in the Gym, comes the first of a series of weekly handicap meets to be held throughout the indoor season.

The events will be as follows: Pole vault, running high jump, 30-yard dash, 260-yard run, 720-yard run, 1350-yard run and shot-put.

The entries will be handicapped on past performances, the benefit of the doubt being given to the long mark men. Further particulars will be given in THE TECH on Saturday morning.

CO-OPERATION WITH HARVARD SUGGESTED

Pres. Maclaurin Explains How Duplication of Advanced Work Could Be Avoided.

In his annual report to the corporation, President Maclaurin makes it very plain that there can in the future be no rational talk about a merger with Harvard. He says, "There can be no thought of the Institute's dependence," and also states that it is now strong enough to stand alone or to enter, if it wishes, into relations of co-operation in educational effort. He makes the broad fundamental principles of co-operation, especially that with Harvard, so clear that no one can unintentionally mistake them or distort them into merger arguments.

Part of the text of Dr. Maclaurin's report in this matter follows:

"Another problem that lies before us is the kind and the limits of the co-operation that should be encouraged with other educational institu-



PRESIDENT MACLAURIN.

tions, and particularly with Harvard University. There has been much friendly co-operation between Harvard and Technology, especially in the last few years, and now that the Institute is going to Cambridge, within a few minutes' journey from Harvard square, the opportunities for such co-operation will be greatly increased. How far in this direction is it expedient to go? Fortunately, this is a question that it should be possible to consider calmly and to discuss patiently, now that there can be no thought of the Institute's dependence and no doubt in the minds of any of us that Technology is strong enough either to enter safely into alliances or to stand absolutely alone."

"The duty of co-operation in educational effort wherever such co-operation is practicable has been most forcibly expressed by the Secretary of your Corporation, Mr. James P. Mun-

(Continued on Page 2.)

TECHNOLOGY SUFFERS A DEFEAT AT HOCKEY

B. A. A. Seven Wins by 7 to 1 Score—Technology Lacking in Team Work.

Technology was beaten by the B. A. A. seven at the Arena last night by a score of 7 to 1. The game was by no means as one-sided as the score might indicate. Many times Tech threatened the B. A. A. goal, but the good defence of that team prevented any scoring. Our team was not developed to any great extent, and the individual work fell on Foote and Eichorn, who carried the puck the length of the Arena several times. The lack of practice showed itself clearly on our team, both as regards team work and shooting. The playing was at most times slow and frequented with many tumbles.

B. A. A. got a quick start, and before many had realize it had secured a goal. Tech could not seem to get started during the first of the first period, and her opponents caged four goals. Fletcher finally got the puck, and by clever individual work caged Tech's only goal one second before time was called.

The second period opened in a way similar to the first, the faster B. A. A. men keeping the rubber in Tech's territory. Ranney, however, came back to his usual form, and let only one shot get past him, Hicks scoring that after six minutes' play. Eichorn here carried the puck down the ice several times, but owing to lack of support was unable to score.

The latter half of the game proved to be the most interesting. Stucklen played a good individual game, getting quite a number of shots at the goal. The B. A. A. men, however, got the puck when near their own goal, and by faster skating got away from the Tech forwards. Here Osgood caged another goal for the B. A. A. team, but only after hard work.

Tech came back strong in the last period and speeded the game up. The playing was much harder and as a result some of the men were put off the ice. Tech threatened the B. A. A. goal many times, but the shooting was not up to the standard. After six minutes of playing two of the B. A. A. players broke away, and by fast skating and a clever pass Hicks scored again. The period passed without further score, the play being

(Continued on Page 3.)

Major F. H. Briggs has again been recognized by the N. E. A. A. U. as an authority on track athletics. He has been appointed to the committee on track and field championships.

THE WEATHER.

Forecast for Boston and vicinity: Fair and colder today, with moderately westerly winds.

CALENDAR.

Friday, December 13, 1912.
8.15—David Carb's "The Voice of the People"—Brattle Hall.
Saturday, December 14, 1912.
2.15—Handicap Meet—Gym.
8.15—David Carb's "The Voice of the People"—Jordan Hall.

Biological Society Trip---4.02 p. m. Back Bay Station

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THURSDAY, DECEMBER 12, 1912

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There appears in another part of this issue an article, the purport of which doubtless means more to THE TECH than anything which has happened in the history of the paper, namely, the decision of the Faculty to establish a special English section which will contain only men who are working on THE TECH, and require only one-half as many hours in class. We feel most grateful to the English department for their co-operation, and sincerely hope that the experiment will work out most satisfactorily to them.

We feel that this is another step which ties us more closely to the Institute as a whole, and one which will mean much in the future. It will show the new men very definitely that the English department is recognizing the value of work on such an activity and are giving it their support, a fact which should accordingly result in a better attitude and feeling among the incoming classes toward all activities.

We can only express again our gratitude to the men who have brought about this new condition, and urge them to let their criticism extend to all departments of THE TECH with the greatest possible freedom.

JUNIOR STATISTICS.

Owing to the fact that many men did not receive statistic blanks by mail, a limited number have been left at the Cage. It is desired by those in charge that all Juniors fill out blanks and turn them in by Saturday, December 14th.

MEXICAN MINING CONDITIONS DISCUSSED

Mr. Schumacher Gave Interesting Talk Before Miners Last Night.

Yesterday evening, at 8 o'clock, the Mining Engineering Society had a well attended meeting in one of the smaller rooms in the Union. After the regular business had been transacted a motion was carried to the effect that the Sophomores of Course III be elected members. This will affect four men. Following this President Lehmaier introduced Mr. P. W. Schumacher, superintendent of the American Smelting and Refining Company of Santa Barbara, Mexico. Mr. Schumacher is a Tech man, of the Class of '04. After his graduation he spent a year as assistant under Professor Richards. Then he went to Mexico, where he has had a varied career of considerable experience in the mining industry. Consequently, he was most capable in speaking to the members of the society, and his talk was of much interest.

Mr. Schumacher told how mining was carried on successfully in Mexico under conditions characteristic of that country. The Mexicans still continue to use the primitive methods of their ancestors, and it is only with very much difficulty that modern methods are taught them. By calling in American miners of experience scientific methods have been introduced and the success of this combination of primitive and modern ways has been due to extreme patience, untiring energy and study on the part of the engineers. This is only one of the many problems which a young mining engineer encounters and which he must solve.

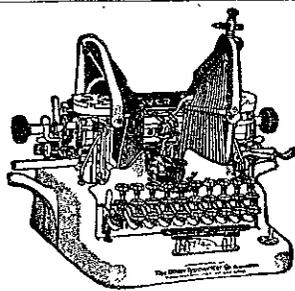
Mr. Schumacher then discussed in detail the actual mining of the ore and this part of his talk was exceedingly interesting. He gave the men an excellent idea of what mining was like and they received many good pointers. Mr. Schumacher also gave a very interesting account of some of his experiences during the revolution. The members of the society gave him a unanimous vote of thanks.

Before the meeting adjourned it was decided to send some flowers to Professor Richards, head of Course III, who is quite ill. An operation will be performed, but it is hoped that it is nothing of a very serious nature.

PRESIDENT'S ADDRESS.

(Continued from Page 1, Col. 3.)
roe. It would be wise," he said, "for the Institute to enlist all the higher educational force of the Commonwealth in working out some plan through which, jointly, they may help Massachusetts to solve those perplexing problems of commercial growth and of industrial education which today confront her. Incidentally such partnership would be of immense benefit to education itself, which suffers in few ways so much as through lack of co-operation among those colleges, universities and schools of applied science which not only should be laboring together for the common good, not only should be avoiding by mutual agreement those duplications of resources and of effort that keep them all painfully poor, but also should be devising some plan by which students may be transferred from one to another without loss of time and effort, and may be brought thereby under those varied stimuli of environment and teaching so beneficial to ambitious youth."

"Unfortunately, the phrase 'duplication of effort,' has often been so misapplied to cases where there is no real duplication in the sense that is implied as to divert men's attention from cases that really call for a remedy. There is no regrettable duplication where different men or machines are employed in two institu-



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tions, even although they do exactly similar work, provided they are employed to their full capacity. Unfortunately, in a properly equipped school of applied science a great deal of costly machinery must be installed that is used only occasionally, and, especially in the higher branches, only by small numbers of students. The duplication of such machinery in neighboring institutions imposes a heavy financial burden on the community that furnishes it, and no reasonable effort should be spared to avoid it. A few examples may give definiteness to these general statements. The Institute is planning to build and equip the most complete mining and metallurgical laboratories in existence. It would cost Harvard, and therefore the community, hundreds of thousands of dollars to duplicate these, and yet all the students of mining and metallurgy at Harvard could easily be accommodated in the Institute's new laboratories without detriment to the Technology students. On the other hand, it would cost Technology hundreds of thousands of dollars to duplicate the University Museum whose great collection of minerals, fossils, etc., might be open to the Senior students at Technology without any overcrowding of, or interference with the work of the regular students at Harvard.

"More serious than any duplication of machines is the loss that falls upon the community by excluding advanced students of each institution from the benefit of coming under the influence of the pioneers of science in the other institution, men whose character and attainments make any suggestion of 'duplication' absurd. For years, the advanced students of Geology at this Institute have been stimulated by Professor Daly's skill and enthusiasm as a teacher as well as by his scientific achievements. Now that he has gone to Harvard, it is regrettable that such students should be cut off from his influence, especially in view of the fact that the advanced students of Harvard and Technology together would not be too many for a man of

his capacity to deal with effectively. Indeed, in such cases, there is a loss rather than a gain in efficiency, merely from the educational standpoint where the number of students is unduly small. I have already referred to the distinction of Professor Lindgren, who now occupies the William Barton Rogers Professorship of Geology. Harvard is not likely to attempt the impossible task of 'duplicating' such a man, but it would be a great advantage to the advanced students of that University if they could come within the range of his influence as a teacher.

"With regard to any scheme that might be proposed to meet the actual conditions at Harvard and Technology, I shall content myself here with laying down three propositions: (1) No extensive co-operation can be maintained with any satisfaction to either party and consequently with any chance of permanence unless the idea of competition between the institutions is eliminated. (2) The scheme to be worth much consideration must be broad enough to throw open the resources of both institutions (in equipment and in men) to at least some of the students of the other. (3) The obvious way to cooperate is in the treatment of the graduate students, leaving the greater part of Technology entirely alone. I do not suggest any scheme of co-operation for I should think of committing myself to any such scheme until I had discussed the matter carefully with members of the Faculty and had the benefit of their criticism and suggestions."

The prosperity of the Institute was noted only briefly by President Maclaurin for the succession of fortunate events is already well known. The problem of the site has been solved and the land purchased, the price paid being \$775,000. Of this \$500,000 came from T. Coleman duPont and the remainder from twenty public-spirited citizens, the majority of them, like Mr. DuPont, being members of the Corporation. Then there

(Continued on Page 3, Col. 3.)

CIVIL SOCIETY DINES TONIGHT AT UNION

Mr. R. E. Backenhuss of the United States Navy to Be Speaker of Evening.

Tonight, at 6.30 o'clock, the Civil Engineering Society will hold its first dinner of the year in the Union. The officers of the society say the dinner is to be a very interesting one, for they have secured as the speaker of the evening Mr. R. E. Backenhuss, a graduate of the Institute.

Mr. Backenhuss, who is at present a civil-engineer in the United States Navy, has seen a good deal of foreign service, and has in fact recently returned from the Philippine Islands to his present station at the Charlestown Navy Yard. Besides telling those present at the dinner of the strictly engineering features of his numerous experiences, he will also give an interesting description of the character and customs of some of the foreign nations through which he has traveled.

The officers of the society have arranged that the dinner will start at the stated time so that the time taken to attend the dinner will not interfere with study hours. The dinner is not restricted to members of the society, but anyone who wishes to hear an interesting speaker is cordially invited to attend.

HOCKEY GAME.

(Continued from Page 1, Col. 4.) pretty even on both sides during this period.

The lineup was as follows:

Technology. B. A. A. Eichorn, p.g, Canterbury Ranney, g.D. H. Foster Stucklen, c. p.c. p. N. Foster Fletcher, r. w.r. w. Hornblower Hurbutt, r. c.r. c. Clifford Foote, l. c.l. c. Hicks MacLoud, l. w.l. w. Lesley
Referees: S. S. Foster, Stucklen.
Substitutes: Storke for MacLoud, Osgood for Hornblower, Rettney for N. Foster.

HARVARD PLAY GIVEN.

(Continued from Page 1, Col. 1.)

"The chosen play, in its mixture of virtues and faults, of achievement, promise and failure, was at one with the performance it received. Mr. Carb is not a student playwright in the narrow sense of the word. Since he left the college, one of his plays has been tried by Miss George and his name and his work are not unknown in managerial offices. For the commercial stage, though not in the sinister sense of the word, Mr. Carb obviously intended 'The Voice of the People.'"

"The palpable shortcomings of Mr. Carb's play are faults of procedure rather than faults of design or idea. The last thing that he has sought to do is to write a 'literary' play. On the one side, his piece—to use blunt words—is frankly a 'commercial proposition,' intended for the regular theatre and to be in no sense unusual there. On the other side, it is intended to reflect life as life goes here and now, according to the premises and the conditions the play unfolds, and to bear at least an idea or two about a better way with existence."

The play is peculiar as a college play, in that college life does not enter into it. It is a drama of present-day life in poor surroundings, during a closely contested election. The scene is laid in a tenement ward of a large American city and is a struggle between several nondescript characters under the surveillance of a boss who rules with an iron hand.

Radcliffe girls and Harvard men make up the cast, which is under the direction of Francis Powell. Performances will also be given on the 13th and 14th of this month.

FIRST TRIP OF THE BIOLOGICALS TODAY

Inspection of Brewery to Be Followed by Talk On Tuberculosis.

Today is a red-letter day for the Biological Society. A most unique trip will be taken by its members—a trip which has been the subject of much speculation among the Biologists for some days past. Of course it had been generally understood that an excursion to a brewery had been arranged, but President Tolman looked wise and yet said nothing. The complete arrangements, as noted in the Wednesday issue of THE TECH, came as a pleasant surprise to the members.

The party will leave the Back Bay station at 4.02 P. M., for Mr. Reuter's brewery. It is to be especially noted that everybody who is interested is most cordially invited to be present, whether they belong to the society or not. The party will take the train for Roxbury, and this fare will be the only expense to which the members will be put. After the inspection of the brewery a complimentary dinner will be given by Mr. Reuter to the members of the society. A further treat during the evening will be furnished in the way of a speech on a subject most interesting to Biological men. Dr. Cleveland Floyd will speak after the dinner on "Tuberculosis and the Famous Pneumo-Thorax Treatment." The talk will be all the more interesting as Dr. Cleveland will illustrate it with his apparatus.

PRESIDENT'S ADDRESS.

(Continued from Page 2.)

has been the great gift of "Mr. Smith," which shows a great man at his best. "ready to make a noble use of his wealth and anxious to do a great thing quietly and without fuss." On this account there was received in June a check for a million dollars, forestalling by this amount such expenditures as must soon be incurred. Not long afterwards the death of Mr. Pratt revealed the fact that he had made provision in his will for the endowment of the Institute's department of Naval Architecture and Marine Engineering. The validity of the will is being disputed, but if it be upheld, the amount to be transferred to Technology is \$750,000, of which already nearly \$700,000 is in the hands of the executors.

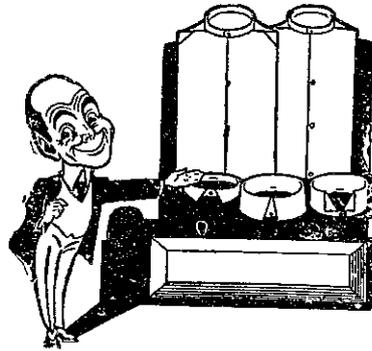
Three other gifts were noted by the President, \$40,000 for the summer camp in engineering, \$50,000 for the establishment of the Samuel Cabot fund for research in industrial chemistry, and the Dering library, the gift of Theodore N. Vail. President MacLaurin brings to attention the fact that of the gifts to the Institute within eighteen months, considerably more than three million dollars has come from outside of Massachusetts.

1914 CLASS PICTURES.

This Noon Last Time to Place Orders With Men in Union.

Orders have been received for thirty-four of the Junior class pictures. It is hoped that many more will hand in their orders at once, as it will be impossible to obtain them after today.

The cost of these pictures is one dollar, and fifty cents will be required as a deposit on them when ordered. Today, for the last time, there will be someone in the Union from 1.30 to 2 o'clock, to take orders. This is absolutely the last chance to obtain these pictures, as the orders must be filed with the photographer this afternoon. Also it should be understood that there are four different pictures, and in ordering it should be specified which of the four is desired.



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REV. GIFFORD SPEAKS.

Tech men are indeed fortunate in again having the opportunity of hearing the speaker whom the T. C. A. has secured for today. He is Rev. T. O. Gifford, who won so many friends here at Tech after his lectures of last year. He has a splendid way of handling epigrams, which makes his talks all the more interesting. His last year's speech on "The City Without a Church" showed what a remarkable speaker he really is, and if today's talk on "Understanding the Times" is only "nearly as good" as those of last year they will surely be worth hearing.

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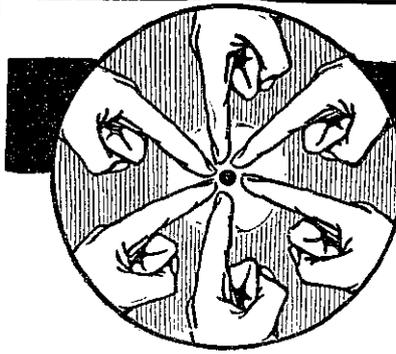
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Mr. Schumacher Gave Interesting Talk Before Miners Last Night.

Yesterday evening, at 8 o'clock, the Mining Engineering Society had a well attended meeting in one of the smaller rooms in the Union. After the regular business had been transacted a motion was carried to the effect that the Sophomores of Course III be elected members. This will affect four men. Following this President Lehmaier introduced Mr. P. W. Schumacher, superintendent of the American Smelting and Refining Company of Santa Barbara, Mexico. Mr. Schumacher is a Tech man, of the Class of '04. After his graduation he spent a year as assistant under Professor Richards. Then he went to Mexico, where he has had a varied career of considerable experience in the mining industry. Consequently, he was most capable in speaking to the members of the society, and his talk was of much interest.

Mr. Schumacher told how mining was carried on successfully in Mexico under conditions characteristic to that country. The Mexicans still continue to use the primitive methods of their ancestors, and it is only with very much difficulty that modern methods are taught them. By calling in American miners of experience scientific methods have been introduced and the success of this combination of primitive and modern ways has been due to extreme patience, untiring energy and study on the part of the engineers. This is only one of the many problems which a young mining engineer encounters and which he must solve.

Mr. Schumacher then discussed in detail the actual mining of the ore and this part of his talk was exceedingly interesting. He gave the men an excellent idea of what mining was like and they received many good pointers. Mr. Schumacher also gave a very interesting account of some of his experiences during the revolution. The members of the society gave him a unanimous vote of thanks.

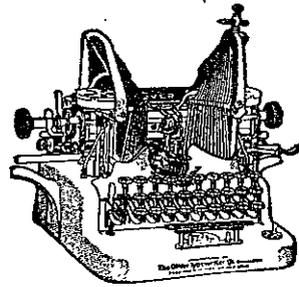
Before the meeting adjourned it was decided to send some flowers to Professor Richards, head of Course III, who is quite ill. An operation will be performed, but it is hoped that it is nothing of a very serious nature.

PRESIDENT'S ADDRESS.

(Continued from Page 1, Col. 3.)

roe. It would be wise," he said, "for the Institute to enlist all the higher educational force of the Commonwealth in working out some plan through which, jointly, they may help Massachusetts to solve those perplexing problems of commercial growth and of industrial education which today confront her. Incidentally such partnership would be of immense benefit to education itself, which suffers in few ways so much as through lack of co-operation among those colleges, universities and schools of applied science which not only should be laboring together for the common good, not only should be avoiding by mutual agreement those duplications of resources and of effort that keep them all painfully poor, but also should be devising some plan by which students may be transferred from one to another without loss of time and effort, and may be brought thereby under those varied stimuli of environment and teaching so beneficial to ambitious youth."

"Unfortunately, the phrase 'duplication of effort,' has often been so misapplied to cases where there is no real duplication in the sense that is implied as to divert men's attention from cases that really call for a remedy. There is no regrettable duplication where different men or machines are employed in two institu-



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tions, even although they do exactly similar work, provided they are employed to their full capacity. Unfortunately, in a properly equipped school of applied science a great deal of costly machinery must be installed that is used only occasionally, and, especially in the higher branches, only by small numbers of students. The duplication of such machinery in neighboring institutions imposes a heavy financial burden on the community that furnishes it, and no reasonable effort should be spared to avoid it. A few examples may give definiteness to these general statements. The Institute is planning to build and equip the most complete mining and metallurgical laboratories in existence. It would cost Harvard, and therefore the community, hundreds of thousands of dollars to duplicate these, and yet all the students of mining and metallurgy at Harvard could easily be accommodated in the Institute's new laboratories without detriment to the Technology students. On the other hand, it would cost Technology hundreds of thousands of dollars to duplicate the University Museum whose great collection of minerals, fossils, etc., might be open to the Senior students at Technology without any overcrowding of, or interference with the work of the regular students at Harvard.

"More serious than any duplication of machines is the loss that falls upon the community by excluding advanced students of each institution from the benefit of coming under the influence of the pioneers of science in the other institution, men whose character and attainments make any suggestion of 'duplication' absurd. For years, the advanced students of Geology at this Institute have been stimulated by Professor Daly's skill and enthusiasm as a teacher as well as by his scientific achievements. Now that he has gone to Harvard, it is regrettable that such students should be cut off from his influence, especially in view of the fact that the advanced students of Harvard and Technology together would not be too many for a man of

his capacity to deal with effectively. Indeed, in such cases, there is a loss rather than a gain in efficiency, merely from the educational standpoint where the number of students is unduly small. I have already referred to the distinction of Professor Lindgren, who now occupies the William Barton Rogers Professorship of Geology. Harvard is not likely to attempt the impossible task of 'duplicating' such a man, but it would be a great advantage to the advanced students of that University if they could come within the range of his influence as a teacher.

"With regard to any scheme that might be proposed to meet the actual conditions at Harvard and Technology, I shall content myself here with laying down three propositions: (1) No extensive co-operation can be maintained with any satisfaction to either party and consequently with any chance of permanence unless the idea of competition between the institutions is eliminated. (2) The scheme to be worth much consideration must be broad enough to throw open the resources of both institutions (in equipment and in men) to at least some of the students of the other. (3) The obvious way to cooperate is in the treatment of the graduate students, leaving the greater part of Technology entirely alone. I do not suggest any scheme of co-operation for I should think of committing myself to any such scheme until I had discussed the matter carefully with members of the Faculty and had the benefit of their criticism and suggestions."

The prosperity of the Institute was noted only briefly by President Maclaurin for the succession of fortunate events is already well known. The problem of the site has been solved and the land purchased, the price paid being \$775,000. Of this \$500,000 came from T. Coleman duPont and the remainder from twenty public-spirited citizens, the majority of them, like Mr. DuPont, being members of the Corporation. Then there

(Continued on Page 3, Col. 2.)

CIVIL SOCIETY DINES TONIGHT AT UNION

Mr. R. E. Backenhuss of the United States Navy to Be Speaker of Evening.

Tonight, at 6.30 o'clock, the Civil Engineering Society will hold its first dinner of the year in the Union. The officers of the society say the dinner is to be a very interesting one, for they have secured as the speaker of the evening Mr. R. E. Backenhuss, a graduate of the Institute.

Mr. Backenhuss, who is at present a civil engineer in the United States Navy, has seen a good deal of foreign service, and has in fact recently returned from the Philippine Islands to his present station at the Charlestown Navy Yard. Besides telling those present at the dinner of the strictly engineering features of his numerous experiences, he will also give an interesting description of the character and customs of some of the foreign nations through which he has traveled.

The officers of the society have arranged that the dinner will start at the stated time so that the time taken to attend the dinner will not interfere with study hours. The dinner is not restricted to members of the society, but anyone who wishes to hear an interesting speaker is cordially invited to attend.

HOCKEY GAME.

(Continued from Page 1, Col. 4.) pretty even on both sides during this period.

The lineup was as follows:

Technology. B. A. A. Eichorn, p.g. Canterbury Ranney, g.d. H. Foster Stucklen, c. p.c. p. N. Foster Fletcher, r. w.r. w. Hornblower Hurbatt, r. c.r. c. Clifford Foote, l. c.l. c. Hicks MacLoud, l. w.l. w. Lesley
Referees: S. S. Foster, Stucklen.
Substitutes: Storke for MacLoud, Osgood for Hornblower, Rettney for N. Foster.

HARVARD PLAY GIVEN.

(Continued from Page 1, Col. 1.)

"The chosen play, in its mixture of virtues and faults, of achievement, promise and failure, was at one with the performance it received. Mr. Carb is not a student playwright in the narrow sense of the word. Since he left the college, one of his plays has been tried by Miss George and his name and his work are not unknown in managerial offices. For the commercial stage, though not in the sinister sense of the word, Mr. Carb obviously intended 'The Voice of the People.'"

"The palpable shortcomings of Mr. Carb's play are faults of procedure rather than faults of design or idea. The last thing that he has sought to do is to write a 'literary' play. On the one side, his piece—to use blunt words—is frankly a 'commercial proposition,' intended for the regular theatre and to be in no sense unusual there. On the other side, it is intended to reflect life as life goes here and now, according to the premises and the conditions the play unfolds, and to bear at least an idea or two about a better way with existence."

The play is peculiar as a college play, in that college life does not enter into it. It is a drama of present-day life in poor surroundings, during a closely contested election. The scene is laid in a tenement ward of a large American city and is a struggle between several nondescript characters under the surveillance of a boss who rules with an iron hand.

Radcliffe girls and Harvard men make up the cast, which is under the direction of Francis Powell. Performances will also be given on the 13th and 14th of this month.

FIRST TRIP OF THE BIOLOGICALS TODAY

Inspection of Brewery to Be Followed by Talk On Tuberculosis.

Today is a red-letter day for the Biological Society. A most unique trip will be taken by its members—a trip which has been the subject of much speculation among the Biologists for some days past. Of course it had been generally understood that an excursion to a brewery had been arranged, but President Tolman looked wise and yet said nothing. The complete arrangements, as noted in the Wednesday issue of THE TECH, came as a pleasant surprise to the members.

The party will leave the Back Bay station at 4.02 P. M., for Mr. Reuter's brewery. It is to be especially noted that everybody who is interested is most cordially invited to be present, whether they belong to the society or not. The party will take the train for Roxbury, and this fare will be the only expense to which the members will be put. After the inspection of the brewery a complimentary dinner will be given by Mr. Reuter to the members of the society. A further treat during the evening will be furnished in the way of a speech on a subject most interesting to Biological men. Dr. Cleveland Floyd will speak after the dinner on "Tuberculosis and the Famous Pneumo-Thorax Treatment." The talk will be all the more interesting as Dr. Cleveland will illustrate it with his apparatus.

PRESIDENT'S ADDRESS.

(Continued from Page 2.)

has been the great gift of 'Mr. Smith,' which shows a great man at his best, "ready to make a noble use of his wealth and anxious to do a great thing quietly and without fuss." On this account there was received in June a check for a million dollars, forestalling by this amount such expenditures as must soon be incurred. Not long afterwards the death of Mr. Pratt revealed the fact that he had made provision in his will for the endowment of the Institute's department of Naval Architecture and Marine Engineering. The validity of the will is being disputed, but if it be upheld, the amount to be transferred to Technology is \$750,000, of which already nearly \$700,000 is in the hands of the executors.

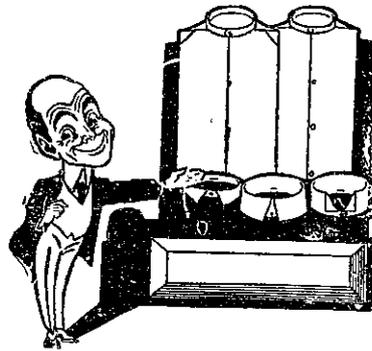
Three other gifts were noted by the President, \$40,000 for the summer camp in engineering, \$50,000 for the establishment of the Samuel Cabot fund for research in industrial chemistry, and the Dering library, the gift of Theodore N. Vail. President MacLaurin brings to attention the fact that of the gifts to the Institute within eighteen months, considerably more than three million dollars has come from outside of Massachusetts.

1914 CLASS PICTURES.

This Noon Last Time to Place Orders With Men in Union.

Orders have been received for thirty-four of the Junior class pictures. It is hoped that many more will hand in their orders at once, as it will be impossible to obtain them after today.

The cost of these pictures is one dollar, and fifty cents will be required as a deposit on them when ordered. Today, for the last time, there will be someone in the Union from 1.30 to 2 o'clock, to take orders. This is absolutely the last chance to obtain these pictures, as the orders must be filed with the photographer this afternoon. Also it should be understood that there are four different pictures, and in ordering it should be specified which of the four is desired.



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REV. GIFFORD SPEAKS.

Tech men are indeed fortunate in again having the opportunity of hearing the speaker whom the T. C. A. has secured for today. He is Rev. T. O. Gifford, who won so many friends here at Tech after his lectures of last year. He has a splendid way of handling epigrams, which makes his talks all the more interesting. His last year's speech on "The City Without a Church" showed what a remarkable speaker he really is, and if today's talk on "Understanding the Times" is only "nearly as good" as those of last year they will surely be worth hearing.

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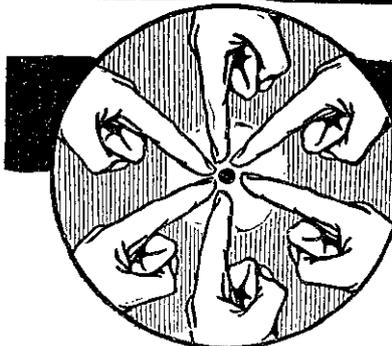
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FACULTY NOTICE.

The English Department has decided to establish next term a special section in First Year English (140) for men who are engaged in work on THE TECH. The section will be limited to twenty, and no student will be admitted who has received a mark below P in the first term. Fifteen out of the thirty hours will be allowed for work on the paper, and all articles published will, after publication, be gone over by the instructor for criticism. The amount of written work actually done must not be less than thirty-five hundred words, to be made up of copy printed by THE TECH or of special articles submitted to the instructor. The department reserves the right to refuse to count anything which in workmanship or in taste falls below a reasonable standard. Those who wish to join this section should notify the department before the close of the present year.

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FACULTY NOTICE.

The exercises of the Institute will be suspended during Christmas week, December 23rd to 28th, inclusive.

A. L. MERRILL,
Secretary.

(tf)

WILL the student who was seen to pick up the roll of bills in the corridor of the Lowell Building, Tuesday, please turn the money over to the Bursar's office, as the Bursar knows to whom the money belongs.
(tf)

WORK ON THE TECH.

(Continued from Page 1.)
decided who shall have charge of the class, but it may be Professor Bates himself. As this course is purely an experiment, it is quite likely that changes in the ruling given above will be made to adjust the work to the conditions found in practice.

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