

THE TECH

VOL XXXIV No. 81.

BOSTON, MASS., WEDNESDAY, JANUARY 13, 1915.

PRICE THREE CENTS

TRACK TEAM ENTERED IN MANY GOOD MEETS

Schedule Gives Plenty Of Competition During Winter And Spring.

Manager Webster of the Track Team announces the following schedule for the winter and spring seasons. It is of necessity tentative at present; but the management is fairly certain that it will be able to enter teams in all of the meets mentioned.

The relay season will be especially busy, the one-mile team getting the lion's share of the competition. The season will commence with a relay race against Harvard at the Coast Artillery games at the South Armory on the evening of January 23rd. Most of the individual members of the track team will also compete in the various open events.

On January 30th at the Irish American A. A. meet in Mechanics Hall the one-mile team will probably be matched against Yale, with a possibility of the two-mile team being entered. Holy Cross will be the alternative in case Yale is unable to enter a team. At the B. A. A. meet in Mechanics Hall on February 6th we will run our annual mile relay race against Dartmouth. In both the "Irish" and the B. A. A. meets individual competitors will be entered.

The next Wednesday is the date of the N. Y. A. C. meet at Madison (Continued on Page Four)

TALK ON ABRASIVES

Subject To Be Treated By Mr. J. G. Callan.

Next Friday night in 42 Pierce Mr. John G. Callan of Arthur D. Little, Inc., will talk to the Chemical Society on the subject of "Abrasives." The Arthur D. Little Co. is noted throughout the country for the experts in different lines who are connected with it, and for the work which they have done in the development of chemical industry in America. Mr. Callan has been a professor, both at Stevens Institute and at Columbia University. The talk which will be presented is a repetition of one recently given by him before the Rhode Island Section of the American Chemical Society.

HOCKEY NOTICE

The Hockey Team will leave Back Bay Station at 1.08 this noon to play Yale at New Haven. The following men will meet Assistant-Manager Young in the Union promptly at one o'clock: Johnson, Gould, Cochrane, Fletcher, Winton, Coward, Keeler, Woodward and C. Tutein.

WRESTLING TEAM TO GRAPPLE WITH BROWN

First College Meet Of Year To Be In M. I. T. Gym Saturday.

Next Saturday at eight o'clock in the Gym Technology's matmen will match themselves against the strong Brown University team. Although the wrestling team has already engaged in and won three meets this (Continued on Page Two)

INSTITUTE COMMITTEE

Longest Session Of Year Held Last Thursday.

The meeting of the Institute Committee last Thursday was one of the longest in its history. The length of the session was due to the numerous important questions under discussion. The meeting opened with the reports of the sub-committees, following which a petition was presented by Major Tobey of the Technology Cadets that the Officers Club be given representation in the Institute Committee. The Bulletin Board Committee submitted a plan for preventing the theft of posters together with a scheme to make these a source of profit.

Attention was then turned to the proposed revision of the Point System. A vote of censure was passed upon the Point System Committee, as it was the sentiment of the Committee that the revision of the Point System had not received sufficient time and attention in its preparation, and that the Committeemen who submitted it had been generally lax in the performance of their duties. The revised alterations to be made in the Point System will soon be published.

COSMOPOLITAN CLUB

Informal Dinner To Be Given Tomorrow Evening.

The Cosmopolitan Club will give an informal dinner in the Union tomorrow evening at 6 o'clock. The speakers of the evening are to expound cosmopolitanism. Tickets may be obtained from R. Beaver at the Cage.

This is the first of a series of monthly dinners to be given by the club. The talks at all these dinners will be on cosmopolitan subjects.

FINANCE COMMITTEE

The Finance Committee will hold a meeting in the Union at seven-fifteen tomorrow evening. The meeting will be preceded by a dinner downstairs at six-thirty.

OFFICIAL SUMMARY OF INDOOR TRACK MEET

New Record In Pole Vault—Sophomores Win Meet By Tie In Quarter Mile.

Owing to the fact that an official summary of the points scored in the inter-class meet last Saturday was not available until yesterday The Tech was unable to publish the scores in Monday's issue. The list of those who scored points is given below.

By tying for first place in the 440, postponed until yesterday afternoon, the Sophomores broke the tie with the Seniors, thus winning the meet by two and one-half points. Colleary, '17, and Reed, '16, ran a dead heat in this race. Adams, '17, and O'Hara, '17, the other two men eligible in the finals, withdrew.

Reed got the pole at the start and held it throughout the race, Colleary pressing him all the way. On the final stretch Colleary drew abreast, the men breasting the tape simultaneously. The dead heat was run in the fast time of 58 seconds, one second from the record set by Salisbury in 1911.

The final score of the meet is as follows: Sophomores, 30 1-2; Seniors, 28; Juniors, 19 1-2; freshmen, 4. The summary:

35-yard Dash—1, O'Hara, '17; 2, Loomis, '16; 3, Adams, '17; 4, Colleary, '17. Time—4 1-5 seconds.

35-yard Hurdles—1, Huff, '15; 2, Foster, '15; 3, Sewall, '17; 4, Van Kirk, '18; time—5 3-5 seconds.

440-yard Run—Dead heat between Reed, '16, and Colleary '17; time—58 seconds.

(Continued on Page Three)

CIVILS TO MEET

Informal Affair To Be Held This Evening.

The last meeting of the term will be held this evening at the Union. It is an undergraduate affair, and the speakers have been chosen chiefly from among the students. A. H. Clarke and G. R. Walsh, both Seniors of the Institute; F. F. McSweeney, and Mr. H. E. Mitchell, the latter a graduate, will deliver talks. Members of Courses I, IV, XI and XV are invited to attend. To professors and instructors special invitation is extended. Refreshments will be served.

FRESHMAN MEETING

There will be a short meeting of the freshman class in Huntington Hall this noon, at 1.10 p. m. A subject of importance will be discussed, and the meeting will take only a few minutes.

MEETING OF ADVISORY COUNCIL ON ATHLETICS

Several Important Matters Discussed—To Be Voted Upon At Next Meeting.

Last evening the Advisory Council on Athletics held its scheduled meeting at the Technology Club. The matter of news reporting was taken up, and the Council voiced its opinion that the captain of the Track Team should be personally responsible for the prompt submission of (Continued on Page Four)

SMOKER TO BE HELD

Architectural Societies Will Meet Friday.

The Architectural and Architectural Engineering Societies will hold a combined smoker in the Union in Rooms A and B on next Friday evening at eight o'clock. R. S. Peabody and M. A. Reidy will discuss the construction of the Custom House Tower, its design and the engineering problems connected with it. The program will include musical numbers. An admission of twenty-five cents will be charged.

CATHOLIC CLUB

Today at six o'clock the Catholic Club will hold a banquet in the Union. The affair will be over before the C. E. Smoker is started. Arrangements for the annual dance will be discussed.

FRESHMAN PIPES

The freshman pipe committee announces that all orders for class pipes must be in at the Cage by this noon.

CALENDAR

Wednesday, January 13, 1915.

1.08—Hockey Team Leaves Back Bay Station for New Haven.

1.10—T. C. A. Board Pictures. Notman's, 4 Park St.

1.10—1915 Class Meeting. Huntington Hall.

1.15—Tech Business and News-board Pictures. Notman's, 4 Park St.

5.00—Glee Club Rehearsal. Union.

6.00—Catholic Club Banquet. Union.

8.00—Civil Engineering Meeting. Union.

Thursday January 14, 1915.

1.10—Institute Committee Pictures. Notman's.

6.00—Cosmopolitan Club Dinner. Union.

6.30—Finance Committee. Union.

8.00—Technology Christian Association. Union.

THE TECH

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WEDNESDAY, JANUARY 13, 1915.

IN CHARGE OF THIS ISSUE.

Editor: J. M. DeBell, '17.
Associate: F. A. Stearns, '17.
Assistants: A. R. Brooks, '17; J. W. Damon, '18; E. P. Travis, '18.

The opinion given by today's communicant has recently been expressed in this column, but has never received the emphasis it deserves. If only for the sake of our appearance in the eyes of other college men, it behooves us to show the respect we feel for our President and senior Professors.

We are glad to learn that the orchestra in the Union dining room at dinner hour is to be made a permanent feature.

The address given yesterday in the Union is a good example of the pearls that are cast before Tech men. While the attendance was good for an affair of the kind, the hearers were the same ones who attend the T. C. A. talks, and in general get the most benefit from all Institute life. The remaining ninety percent, if they would but come out of their shells, would find much going on at the Institute which is well worth their attention.

TECHNIQUE PICTURES

Junior Class Picture May Now Be Secured.

Copies of all photographs taken at Notman's for Technique may be obtained by signing on the list at the Cage or by speaking to H. T. Freeman, '15. Those desiring copies of the Junior Class picture should sign the list at the Cage as soon as possible.



Dartmouth will have a course on the present war next semester, the bulletin for 1914-1915 announces. The course will consist of discussions based largely on the careful study of state documents and newspaper and magazine articles.

Inquiry among the members of the freshman class at the New Hampshire State College shows that more 1918 students in that institution are taking the agricultural course than any other course of study.

Continuing its strenuous program for a year of practical service to the community, the Williams College Good Government plans for a complete method of interesting and instructing citizens in that section of Massachusetts in the principles of forest fire protection.

COMMUNICATION

Editor-in-Chief of The Tech,

Dear Sir:

I happened to be a few paces behind Pres. Maclaurin the other day while he was walking from the Rogers building to the Walker building. He passed at least a couple of hundred students and several members of the instructing staff. Out of that number a student who is from another college, tipped his hat and another stopped the President about some Institute matter. The rest passed on perfectly unaware of the President's existence.

At colleges in the United States where the government has any military instruction it is customary for the students to salute the president of the college. I know such an idea has been impressed upon the men here, yet no result is obtained. How must it seem to an outsider to see such a man as President Maclaurin walk by his own institution unrecognized by the student body? How must it seem to the President?

It is nothing but rank carelessness and if the upperclassmen would observe some of the common courtesies, the underclassmen would quickly fall in line. They would not then have to say that they graduated from the Institute without once speaking to the President.

Yours truly,

I. B. M., '16.

BROWN MEET
(Continued from Page One)

season, this is the first of its college matches. Last year Technology won every bout but one. This year, with a team composed almost entirely of new material, victory will come much less easily.

In all probability eight bouts will be put on Saturday night, one in the 115-pound class, one in the 125, two in the 135, one in the 145, two in

(Continued on Page Four)

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THE LABOR QUESTION OF THE PRESENT DAY

Rev. W. T. Clark Shows Change Of Labor Conditions During Last Century.

The Rev. William T. Clark in his speech yesterday noon in the Union attracted a constantly increasing number of attentive listeners. He opened with the statement that when he had entered the field of social work among the laboring classes, his ideas had been those of the average middle-class individual, to the effect that everyone who was poor had his own shiftlessness, incompetence, bad habits, or other shortcomings to blame; and that it had taken years of work among those very classes to get these ideas out of his head.

He then proceeded to give figures from his own experience to show that deeper causes are keeping the average American wage-earner from his birthright of "Life, liberty, and the pursuit of happiness." He gave as the minimum income which would keep a father, mother, and three children fed, clothed, and moderately comfortable, \$800 per year. Of his congregation, comprising of course on the whole a steadier and more industrious type of laborer than the average, 70 per cent had incomes below this figure, and 48 per cent below \$7.00. These men were not of one particularly down-trodden type, but represented 46 different occupations. He gave several touching illustrations of the extremes to which he had seen deserving, industrious families reduced.

Dr. Clark then turned to a consideration of the families who do live comfortably, indulge in a few amusements and luxuries, and start savings accounts. He stated that this condition exists in the case of the average laborer's family, from the time when the oldest child goes to work until the youngest marries and leaves the home, and at practically no other time. After this loss of support, the laborer, with a constantly decreasing earning-power, must look forward to the poorhouse for himself and his wife as the culmination of a life of earnest effort and service to the community. The speaker characterized the system which imposes such a penalty upon the men who

(Continued on Page Five)

FOUND ARTICLES

The following articles have been found and may be obtained at the office of the Superintendent of Buildings and Power:

- 1 key,
- 3 pins,
- 1 cuff link
- 2 watch fobs,
- 1 fountain pen,
- 1 clasp,
- 1 tobacco pouch,
- 5 odd gloves,
- 1 silver pencil,
- 2 drawing instruments,
- 3 German books,
- 6 notebooks,
- 1 French grammar,
- 1 triangle.

PEACE MESSAGE COMES FROM ENGLAND'S TECH

Century Greetings Of Manchester, England, Technical School To Technology.

TO THE PRESIDENT, PROFESSORS, AND STUDENTS MASSACHUSETTS INSTITUTE OF TECHNOLOGY, BOSTON, MASS., U. S. A. HEARTIEST CONGRATULATIONS FROM THE MANCHESTER MUNICIPAL SCHOOL OF TECHNOLOGY TO OUR GREAT SISTER INSTITUTION ACROSS THE SEAS, ON COMPLETION OF ONE HUNDRED YEARS' PEACE AND CORDIAL UNDERSTANDING BETWEEN THE TWO PEOPLES 1814-1914.

(SIGNED)

J. C. MAXWELL GARNETT, PRINCIPAL.

K. SINCLAIR, PRESIDENT STUDENTS' UNION.

This greeting from Manchester to Technology is printed on a hand-deckled sheet, garnished with a deft combination of the seals of the two schools, the mottoes of which, "Mens et Manus" and "Concilis et Labore," are interesting variations of the "brain and brawn" idea. A cover of terra-cotta art buckram, suitably lettered by hand, enclosed the whole.

The Manchester Municipal School of Technology ranks very near the top among institutions of its kind in Britain. It is distinctly a municipal undertaking, since its board of government is a committee of aldermen and a council. It is situated in the heart of the business district and specializes in the textile industry. While it is not to be rated by American standards of education, it fills the needs of just such a community, where its students must begin to earn their bread as soon as possible.

INTERCLASS MEET
(Continued from Page One)

880-yard Run—1 Guething, '15; 2, Brock, '17; 3, Allan, '17; 4, Nye, '15; time—2:10 4-5.

Mile Run—1, Cook, '15; 2, Dodge, '17; 3, Parker, '17; 4, Stevens, '18; time—4:48 2-5.

Pole Vault—1, Buck, '15; 2, Lawrason, '16; 3, Buchanon, '18; 4, Sewall, '17; height—11 feet, new indoor record.

High Jump—1, Buck, '15; 2, Tee-son, '15; 3, Sullivan, '17; 4, Foster, '15; height—5 feet, 7 inches.

Shot Put—1, Swain, '16; 2, Sewall, '17; Stevens, '17; MacRae, '16; distance—35 feet, 9 3-4 inches.

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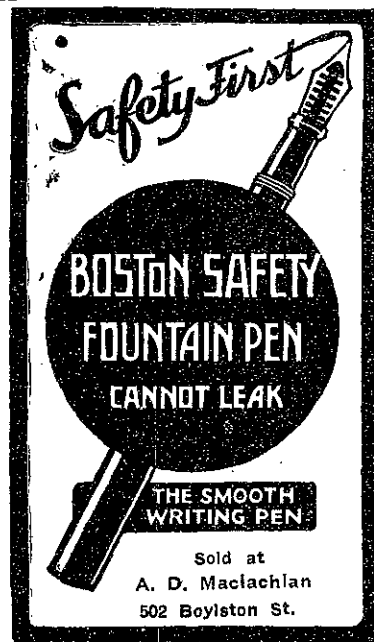
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TRACK SCHEDULE

(Continued from Page One)

Square and Friday, the 12th, is the day of the Armory meet at Holyoke. It is extremely doubtful if a team will be entered in either of these events. February 13th is the day set for the Freshman-Sophomore meet in the Gym.

On February 19th and 20th the mile relay team and a few individual competitors will make a two-day trip participating in the Armory Meet at Hartford, Conn., on Friday, where the relay team will probably meet Pennsylvania or Columbia, and from thence going to Providence, R. I., where the mile relay team will meet Colby or Holy Cross at the Providence Armory Meet. The two-mile or four-mile relay team will possibly run against Harvard there, the members of that team coming directly from Boston with another squad of individual competitors.

It is barely possible that a relay team will be sent to the Georgetown University meet in Washington, D. C., on February 27th; at any rate, the four-mile relay team will be entered at the indoor meeting of the I. C. A. A. A. A. at Madison Square in New York city on March 6th, each man running 2000 yards here. Two other meets will afford competition for a part of the Track Team, namely the N. E. A. A. U. Championships on February 27th, and the Emmett Guards Meet at Worcester, the date of the latter being at the present time uncertain.

The spring schedule is complete as far as dates go and offers ample opportunity for the team to get the best out of the new track in Cambridge. After a short rest up from the indoor season the men will indulge in the Spring Meet on Friday, April 16th, the meet taking position as one of the attractions of Junior Week. The Penn Relay Carnival at Philadelphia is on Saturday, April 24th, and a four-mile relay team will probably be sent to try its mettle against the teams of Pennsylvania, Harvard, Cornell, Yale and other colleges.

The Dual Meet with Holy Cross will take place at Worcester on Saturday, May 1st, and on the following Saturday, May 8th, the first Dual Meet on the new track will take place, when Bowdoin brings a team from Brunswick, Me. April 15th is an open date, and an interclass meet will probably be held at the Field. To round out the season the N. E. I. C. A. A. track and field meeting comes on May 21st and 22nd, probably at the Stadium; and the I. C. A. A. A. championships, of which the location is yet in doubt, follow on May 28th and 29th.

BROWN MEAT

(Continued from Page Two)

the 158, and one in the heavy-weight class. Technology's team will be as follows: 115-pound class, Loo; 125-pound class, Rounds or Stebbins; 135-pound class, Giles and Hoffman; 145-pound class, Goodell; 158-pound class, Wood and Mertz; heavy-weight class, Captain Crowell. Tickets for the meet are 25 cents and can be obtained from any member of the wrestling team.

ADVISORY COUNCIL

(Continued From Page 1)

correct scores and other data of all competitions in which the track, relay, or cross country teams, or any individual members of these teams may take part; and that the managers of the other teams should handle the news of their respective branches of athletics.

At the next meeting, the Council will take up several important matters, including the revision of the Gym record boards, the final approval of insignia awards, and the question as to whether the representative of the Institute at the annual meetings of the N. E. I. A. A. and the I. C. A. A. A. A. have discretionary powers or be definitely instructed.

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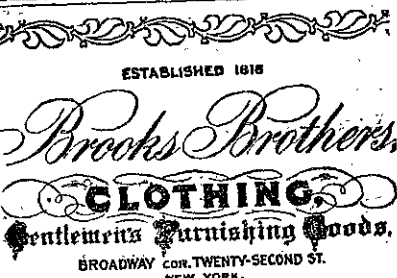
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**FEBRUARY MONTHLY
WELL ILLUSTRATED**

Issue To Go On Sale Next Monday—Several Articles Written By Students.

The February issue of the Technology Monthly and Harvard Engineering Journal will be out next Monday. This number, which is one of an undergraduate issue, contains any of the recent ones, contains, beside the student contributions, several articles of technical nature. "Controlling Our Streams Forestry" is the subject of an article by Mr. Allen Chamberlain, a Boston newspaper man. This article is illustrated by four large photographs, three of which have been used in the Monthly by the United States Government. Two maps of the White Mountain Region are to be published, each printed on folded sheets, measuring nine by seven inches.

One of the Seniors of Course X has an article of considerable length in which he challenges the attention of all those interested in the smooth running of Institute affairs. "A Manipulator DeLuxe" is the title of a short story dealing with the life at the Institute. It was written by one of the Monthly's regular contributors and is illustrated by one of Life's cartoonists. The second chapter of Professor Beeve's article on the "Teaching of Thermodynamics" deals with the subject of "Newtonian Mechanics." Another scientific article of considerable importance is "Our Engineering Curricula" by Professor H. E. Clifford, Professor of Electrical Engineering in Harvard University and at the Institute. In this article he criticizes severely the systems now in vogue at our greatest engineering schools.

On the humorous side I. B. McDaniel contributes a page of cartoons illustrating the popular songs. A take-off on the faculty is published in the form of a poem by one of the present Seniors.

**THE LABOR QUESTION
(Continued from Page Three)**

near the burdens of the nation, as national suicide."

The "Life, liberty, and the pursuit of happiness" theory, he said, was born at a time when each small farmer owned his land and each laborer his home, tools, and materials, so that all that anyone needed to enjoy his heritage was to be let alone. He then proceeded to show how different are conditions at the present day, when the average worker owns nothing whatever, and must secure not merely tools and materials but the very opportunity to work, from whoever will deign to give them to him. He has no inherent right to a job, and will be arrested as a vagrant unless given employment by someone else. He must sell his labor in open competition with others in the same or a worse plight.

Dr. Clark here gave an illustration of how completely the average laborer is at the mercy of his employer.

(Continued on Page Six)

**PITTSBURGH CHOSEN
AS CONVENTION CITY**

Technology Clubs Associated Will Meet Together In February.

The Third Annual Convention of Technology clubs associated will be held in Pittsburgh, February 19 and 20, 1915. Plans are far enough advanced to indicate a thoroughly enjoyable reunion. The central location of Pittsburgh, and the enthusiasm of the local associations, all indicate a larger attendance than at either the New York or the Chicago convention.

The program is still tentative and subject to alterations. On Friday, February 19, the morning will be taken up with registering and renewing old friendships at the Reunion Headquarters, Hotel Schenley, Grant Boulevard and Forbes street. At noon there will be class dinners at the hotel and at clubs in the vicinity when a chance will be offered to recall old days and to retell old tales. In the afternoon there are to be excursions in small parties, with competent guides, to points of interest to members of each party.

Pittsburgh, chiefly noted as an industrial city, is the center of a district whose mines and manufacturing plants, multitudinous and varied, are unexcelled in interest and productiveness. But it is also rich in other ways and offers much, in addition to its mines and steel works, that is well worth seeing, particularly its examples of architecture, bridges, public works play grounds and museums.

In the evening the Pittsburgh Association will give a smoker at the University Club in honor of the visiting alumni.

On the next day, Saturday, the morning will be taken up with additional excursions in small groups for those who wish to see other points of interest. At noon course luncheons will be held in and near the Hotel Schenley. At each of these luncheons representatives from the Institute and one or more graduates will lead a discussion of the needs of the courses represented. Afterwards a brief business meeting of Technology Clubs Associated will be held.

The big event of the reunion will be the annual banquet of the Technology Clubs Associated in the evening at the Hotel Schenley. President Maclaurin and probably President A. L. Lowell of Harvard University will speak. There will be two other speakers of international prominence whose names cannot yet be announced.

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The Cremation Society of America has instituted a yearly competition for the Davis-Lange medal for manuscripts pertaining to the subject of cremation. There will be three medals awarded, of gold, silver and bronze, respectively, and the competition will close June 1, 1915. Papers on the subject should be mailed to Mr. Roger D. Swain, 16 Central street, Boston, from whom other information may be obtained. The judges are to be Rev. P. R. Frothingham, Professor Chas. R. Lanman and Rev. Lee McColester. The manuscripts winning the prizes will be read at the next convention of the association at Buffalo, August 26 and 27.

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(Continued from Page Five)

A man of his congregation obtained employment in Fall River, and was rejoicing over the opportunity to work, "happy as a clam." Dr. Clark asked him how much he was to receive, and learned that he did not know. "I thought I'd better not ask," he explained. The speaker mentioned the recent advertisement of a Boston theatre for 100 supers, which was answered by 5000 men. He also cited the case of a married man, earning \$12 a week. A single man, who would do the work for \$9, replaced him, and was in turn discharged to make room for a woman at \$6. Finally a child obtained the job for \$4. Summing up, Dr. Clark described the laboring classes today as divided against each other, fighting for the opportunity to work, competing even against their wives and children.

The complaint of employers that they can obtain no efficient labor nowadays next received the speaker's attention? He mentioned a woman whom he had talked with who worked in a nail factory. She worked by the piece, earning about \$8 a week. Asked whether she could not earn more, she replied that she did not dare to. She used to receive \$12 for the same amount of work, but "The Boss thought we girls were earning too much." So now, when she seemed likely to make over eight dollars, she would stay out half a day. The speaker gave several other instances of sabotage and its cause.

He then spoke of the popular fallacy that higher profits for employers mean higher wages for the men. Dividends are determined by the relation of cost to selling price, but wages are fixed by the relation of the number of jobs to the number of men wanting them.

He re-asserted that all this was from his personal experience, and stated the definite conclusion he had reached, namely, that this state of things could not go on. He characterized the country where such things can take place as "Ripe for revolution." In closing, he expressed the hope that his hearers, when taking part in active affairs, would look at these questions not "through a hole in a dollar," but in terms of human needs; for if the public attitude were to remain unchanged, they would live to see "hell on earth."

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