

THE BOSTON HERALD

THE HERALD

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BOSTON, MASS., MONDAY, NOVEMBER 4, 1912

PRICE TWO CENTS

LAST RAMSAY LECTURES TONIGHT AND THURSDAY

Discovery of Other Elements of Argon Group to Be Taken Up Tonight.

Tonight and Thursday night come the last two lectures that Sir William Ramsay will give before the Lowell Institute on the "Discovery of the Gases of the Atmosphere." Tonight he will take up the interesting story of how the other elements of the argon group were discovered. At the end of the last lecture, after he had produced helium, he spoke of the search for an element to occupy the space in the periodic table between fluorine and sodium, two elements that are as opposite in their chemical behavior as any two elements could be. This new element, if found, would naturally fall into the argon group, and like it, would have absolutely no chemical activity.

The search was started in the British Museum, where there is a very fine collection of rare minerals. Sir William Ramsay and his assistants examined the gases that these rocks gave off on heating, but found in the spectra of the gases only the lines characteristic of already known elements, although those of helium and argon were frequently present. Then meteorites were examined, and these extra-terrestrial alloys of iron and nickel gave off new gases on heating. In a few there were traces of the already discovered gases of the air. How Sir William Ramsay at last found this new element he will tell tonight, but he hinted that it was in some liquid air that was given him by the first inventor of a machine for the commercial production of liquid air.

Sir William gave a brief outline of how this machine acts. Highly compressed air, which has had the heat that it received on being compressed removed, is allowed to pass into an engine and do work by driving some machinery. The gas loses an amount of heat exactly equivalent to the work it has done, and so it is cooled. This exhaust air is then allowed to cool the incoming compressed air, which in turn becomes still colder, until at last a portion of the highly compressed air is liquified. The machine is now able to produce liquid air and do work at the same time. Some of the liquid air produced by a similar machine was used last Thursday in the production of helium on the lecture table. It was supplied by Professor Richards of Harvard, the scientist who has done such excellent work on the atomic weights of the elements.

CIVILS MEET WEDNESDAY.

Mr. C. A. Gow will address the Civil Engineering Society meeting to be held in the Union Wednesday. His subject will be the "East Boston Tunnel." All new men are invited to come.

CATHOLIC CLUB MEETS.

The Catholic Club will hold the second meeting of the year Wednesday evening, November 6, in the Union. The club has secured as speaker Mr. John C. Joanson. He will talk on Socialism, and the club promises a most entertaining address.

PROGRESSIVES HAVE TORCHLIGHT PARADE

Technology Bull Moosers Head College Men's Section of Big Demonstration.

Supplied with torches and red fire galore, the Bull Moosers paraded through Boston Saturday night in a big pre-election demonstration. At the head of the third division was the Technology Progressive Club, followed by the clubs from Harvard, Tufts, B. U., Clark and M. A. C. A. H. Waitt, '14, president of the Intercollegiate Progressive Club, had charge of this division, and he did the thing up brown.

Assembling at Park square, the parade proceeded through Hollis street to Tremont, where Mr. Bird and Mr. Cosgrove, candidates for governor and lieutenant-governor, joined the procession. The parade continued to Washington street and nearly to the North Station. Enthusiasm ran high all the way. Once in a while some reckless person would yell, "We want Wilson," but was quickly drowned out by "We want Teddy." Coming back through Bowdoin square and Beacon street the torches and red fire continued. Torches and flags had been distributed free and everybody was decorated. At Beacon, the candidates reviewed the parade in the glare of automobile lights.

Dan Callahan, candidate for Congress from the Charlestown district, was assistant chief of staff, and when his followers reached the reviewing automobile led three cheers for Bird. Delegations from Lynn, Waltham and other cities followed.

Many of the paraders came long distances to participate in the demonstration, delegations from Natick, Lexington, Brockton, Framingham and Stoughton being in the army of marchers. A large delegation from Walpole, Mr. Bird's home town, headed the parade.

On reaching the Common the Tech bunch let loose and their yells drowned out the other noises completely. After the regular M. I. T. and "We are Happy" for all the candidates, the other colleges in line were

(Continued to Page 3, Col. 2.)

BOSTON OPERA HOUSE.

The regular season subscription sale of seats having been brought to a close, the management of the Boston Opera Company makes known that during the week beginning Monday, November 4th, subscriptions will be received for any part of the season of eighteen weeks. This will enable opera-goers who wish to attend the performances on alternate weeks or even less frequently, to make a choice of their locations before the seats for single performances are placed on sale. Subscribers who have not as yet received their tickets are requested to call for them at an early date, at the box office, which is open daily from ten till five.

SPECIAL SOPH ELECTION.

Ballots for the Sophomore Class President are due at the Cage at 4.15 today. In last week's election, E. E. Alt and P. M. Werlich tied for the office, and therefore this special election was necessary. The voting has been fairly heavy so far.

ASSISTANT MANAGER COMPETITION OPENS

Candidates for Position Meet in the Show Office in the Union Today.

This afternoon, at 1.30 o'clock, in Room P, the Union, probably the best opportunity ever offered to the men of the Freshman class will be opened up through the competition for two assistant business managers of Tech Show. Every man in the class of 1916 who has any ability, or thinks he has, in handling the kind of work outlined below, is requested to meet Business Manager Walter P. Keith in the Show office at this time and get the particulars.



WALDO P. KEITH.

The business department of the Show has charge of compiling and printing the programs for the Show. It is through the sale of scores and programs and through the work of the business department that the money to support the athletic teams is raised. In addition to this, this department arranges for all the trips and takes complete charge of making each of the several hundred contracts for the Show.

A place on the staff of the business department of Tech Show is general

(Continued to Page 2, Col. 2.)

HARE AND HOUND RUN.

Club Goes Over the Handicap Course at Wakefield.

Cross-country men and members of the Hare and Hound Club went over the handicap cross-country course at Wakefield Saturday afternoon. The slower men were given a start and then the cross-country team started off at full clip. The club had the use of the Wakefield Y. M. C. A. as in former years, and the start and finish was made in the park near there. This course is one of the best that the club runs over and now is very dry, the one fault in any kind of wet weather. Most of the going is over roads and level fields, except the first two miles, which go over the golf links, up a hill that is a real rival of Larz Anderson's, and through pine woods.

WILSON CHEERED BY COLLEGE CLUBS

Democratic Paraders Have Big Torchlight Procession With No Mix-ups.

Students from Tech, Harvard, Tufts, B. U., Princeton and Boston College, who are followers of Woodrow Wilson, united forces Saturday night in a big torchlight parade that was a huge success in every way. At 7 o'clock, nearly 900 Harvard and Tufts men started from Harvard square down Massachusetts avenue and Beacon street, where they were met by a big crowd of Tech and Boston College men. At this point the police held them up from going down Massachusetts avenue, so the parade continued down Beacon and Dartmouth streets to Boylston. The line of red fire continued into the theatre district, enthusiasm increasing all the time. The crowd snaked dance all over this part of the town, the torches making the numbers seem about three times as large.

According to all predictions a big scrap with the Progressive parade, which was out the same night, was due, and scouts were kept in from the line to prevent a surprise if the Bull Moose multitude suddenly came upon them. The meeting occurred just as the Wilson crowd reached Park square. The Moosers reached the square and therefore had the right of way, and an imposing squad of police prevented any mixup. The Wilson hosts halted for a while, but the leaders of the columns decided that they had to go on, so they took the initiative and charged the Progressive parade with the whole company back of them. Nothing like a real fight started nevertheless.

The course of the march was then down Washington street to School, then to Tremont and the Common. From the bandstand a letter was read from Governor Wilson, and the speaker was interrupted again and again by cheers and yells. After this the leaders tried to keep the men together for more demonstration, but the night was pretty cold and the men quit in such large numbers they gave it up. The Boston paraders separated and the Harvard crowd captured the subway in one rush. The hat sellers in Cambridge report a brisk trade this morning.

BIOLOGICAL MEETING.

Dr. M. J. Rosneau will be the speaker at the next meeting of the Biological Society, to be held Thursday afternoon at 4.30, in Room 11, Engineering B. Dr. Rosneau will speak about the "Pasteurization of Milk in Large Quantities."

CALENDAR.

Monday, November 4, 1912.

- 1.00—Field Day Tickets—Union.
- 1.15—Competition for Assistant Show Manager—Show Office.
- 4.00—Class Relay Teams—Field.
- 4.00—Tug-of-War Teams—Gym.
- 4.00—Class Football Teams—Field.
- 5.00—Sophomore Ballots Due.

Tuesday, November 5, 1912.

- Election Day.
- 1.00—Tech Night Tickets—Rogers.

THE TECH

MANAGING BOARD.

A. T. Gibson, 1913.....General Manager
S. H. Taylor, 1914.....Editor-in-Chief
A. H. Waitt, 1914.....Managing Editor
B. E. Adams, 1915.....Business Manager

NEWS BOARD

E. W. Mann, 1914.....Athletic Editor
M. Paris, 1914.....Institute Editor
P. J. Mann, 1915.....Institute Editor
E. Rogers, 1915.....Societies Editor

NEWS STAFF.

S. Berkowitz, 1915.....L. Lamb, 1914
Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

BUSINESS BOARD.

L. C. Lamb, 1914.....Adv. Manager
F. C. Foote.....Asst. Managing Editor

NEWS BOARD

Office, 42 Trinity Place.
Phone—Back Bay 5527 or 2180.
Night Phone—Back Bay 5527.

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MONDAY, NOVEMBER 4, 1912

ELECTION DAY.

Tomorrow is election day, and every man should by this time have formulated his ideas and selected the candidates for whom he will cast his ballot. If it is to be a man's first vote we sincerely hope that he has not been led into any one party because his fathers have been members of that party, or that he has not shown sufficient interest in the election to have built up some good, sound ideas on all of the great issues.

Let every man realize that his vote is of as much importance in the final outcome of the election as any citizen's, and that it is therefore his patriotic duty and privilege to use the influence of his convictions toward bringing about the conditions which he wants to see exist.

Without expressing any partisan views, we publish the following letter of President Taft's, which seems to place the situation very clearly before any voter, and especially a young one: The White House, Washington.

The real solution of all our political difficulties is found in the stimulation of good citizenship. No machinery of any sort, whether by direct primary, referendum, initiative or recall will accomplish any real reform unless the individual citizen himself is stirred to a better performance of his duty as a voter and as a member of his party. If the individual citizen improves his citizenship, then reform will follow, whether new political machinery be adopted or not; and if the average standard of good citizenship is not improved, then new political machinery will not aid.

WM. H. TAFT.

BETTER FRIENDS.

The fact that none but the most amicable relations existed between the groups of Harvard and Tech men who paraded on Saturday evening in the political processions is worthy of note, and is one over which we should all rejoice very heartily.

The riot which took place during the campaign of eight years ago was most disgraceful for both colleges, and we are more than glad to see that the feeling is becoming what it should be. We feel that every effort should be made by each man individually to bring about a more co-operative and pleasant feeling toward our brothers across the Basin, for we have much in common and could be most helpful friends to each other.

A conflict between the publishing board of the University of Washington daily paper and the administration recently caused suspension of the printing of the paper for two days. The conflict started through a communication which the administration wished suppressed.

T. C. A. WANTS MEN FOR SETTLEMENTS

Volunteers Called for Work at Boys' Clubs in Somerville and Dorchester.

The T. C. A. is responsible for four Tuesday evenings at the boys' department of the Somerville Y. M. C. A. On November 19 it is proposed to give a first-class entertainment; November 26 and December 17, Tech students will give talks on some of the phases of a technical education, or on some other subject that may appeal to the speaker. E. W. Davis, of the Senior class, is to speak November 26, but no one has as yet been secured for the other dates.

These talks are a splendid chance for a man to obtain valuable practice in public speaking, at the same that he is helping a crowd of boys in a vital way, and the secretary of the T. C. A. hopes that he will receive today or tomorrow the names of the two men who are going to speak on December 10 and 17.

As for the entertainment, any man who can sing, read, do a sleight-of-hand trick or anything else that will interest boys is urged to report to the T. C. A. and volunteer. The General Secretary feels that this ought to be the easiest kind of work for which to enlist men, yet none have responded, although a call was made last Thursday at the meeting and a notice had been on the bulletin board for a week.

An urgent call is also made for a man to take charge of a club of boys, 16 to 18 years of age, at the Dorchester Settlement House, Gordon Place, near Fields Corner. The boys meet Tuesdays, from 7.30 to 8.30, and need a leader. The young lady in charge of the house, Miss Holman, is doing her best with the boys, but she says that she cannot keep their interest, and they must have a Tech man, for their interests are along mechanical lines, or the club will go to pieces. Already the nearby saloons are competing with the Settlement House. Any man who is willing to go out to this club, even one Tuesday night, is requested to report to Mr. Talbot, but it is hoped that the T. C. A. will be able very soon to secure a regular man.

There is a chance for three or four men to get rooms cheap at 24 Rutland Square, Woodberry House, in return for some service in taking charge of the boys who room there. These are all working boys, and the work, mostly supervision, would not be heavy.

MANAGER COMPETITION.

(Continued from Page 1.)

erally conceded to carry with it the most profitable training of any branch of the Institute activities. A thorough practical knowledge of up-to-date business methods will be gained, and through the contact with the most influential business men in Boston and surrounding cities a wide acquaintance is formed which in later life cannot be too highly estimated.

One Sophomore assistant is to be chosen also, and it is felt by the management of the Show that all men who have been in the Institute and who have had the chance to learn about the Show will need no further urging to have a large number of them present in the Show office at this time. All assistants in the department are in line for the position of Business Manager of this department during their Junior year, and are among those who are considered for General Manager of the Show during their fourth year. The assistants take all the trips with the Show and also make many side trips during the year to make detailed arrangements for the production of the Show.

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To prove the value of this advertisement I will allow a discount of \$5.00 to every man who orders a suit or overcoat within two weeks if a copy of this advertisement is presented.

Pinkos

College Tailor
Cambridge
Boston

Guess I'll have to see "Good Old Burke the Tailor" pretty soon.

That big brother of mine told me to be sure to call on him at 18 School St., or to see Tom Hayes at 843 Washington St., as soon as I landed in Boston, and the bunch here tell me that was good dope.

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EDWIN S. WEBSTER, '88
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OPPOSITE YOUNG'S HOTEL

SOPHOMORE PROSPECTS.

Good Relay Team—Tug-of-War and Football Chances Even.

The prospect for the Sophomore teams on Field Day are beginning to look brighter as the time draws near for them to get into real action. The football squad is fast rounding into shape under Quarterback Scully's leadership. More men are showing up at the Gym for the tug-of-war team, including Rennie, last year's anchor, who weighs over 200 pounds and should prove a convincing argument in favor of the Sophs.

The football team has been practicing every afternoon at the Oval, and is now getting into shape to try its luck against Rindge Technical School at the Field on Saturday. The following men have been showing up regularly this week: Scully, Boynton, O'Brien, Howlett, Quirk, Helseth, Haslam, Proctor, Murphy and Howkins.

Quite a bunch of fast men are out at the Field every day for the relay team, and the three points for this event have already been conceded to the Sophomores by those who are busy on advance Field Day dope. Curtis, the team's leader, and Barry are showing up about the strongest of any.

N. E. I. C. A. A. ENTRIES.

Coach Kanaly has entered the following men for the N. E. I. C. A. A. race, which is to be run over part of the Tech course, with start and finish at the Field, a week from Saturday: A. F. Nye, '14; C. H. Wilkins, '14; R. H. White, '16; F. J. Wall, '15; G. C. Shedd, '14; R. P. Pollard, '15; R. F. Palmer, '13; E. L. Macdonald, '13; C. W. Lovell, '15; E. M. Loveland, '15; C. S. Lee, '14; H. Holway, '14; M. E. Hill, '15; S. W. Guerny, '15; C. T. Guething, '16; F. L. Cook, '15; L. Best, '15; H. S. Benson, '16; E. B. Germain, '13; A. F. Peaslee, '14, and R. D. Bonney, '13.

Seven men will start in this race and five will score. The winning team gets a fine silk banner and the members will receive gold medals. The second team gets silver medals and the third team bronze medals.

COPPER FROM ALASKA.

The copper production from Alaska in 1911 was 22,314,889 pounds, as compared with 4,311,026 pounds in 1910. The large increase in the output for 1911, according to the United States Geological Survey, is due to the entrance of the Copper River district into the producing list. The mine production of copper for 1911 was 27,267,378 pounds, but a considerable portion of this had not been smelted at the close of the year.

Important production of copper from Alaska began about 1903, since which time it has been a steady contributor of that metal. To the close of 1911 the total production of blister copper has been 59,126,334 pounds.

CLASS OF '93 REUNION.

Alumni Hold Banquet at Country Club, Lowell.

Members of the class of '93, to the number of twenty-two, met Monday night at the Vesper Country Club, Lowell, Mass., with President E. B. Carney presiding. After the banquet remarks were made by the guests of honor, Henry C. Robinson, Superintendent of the southern division of the Boston and Maine Railroad, and James W. Rollins, President of the Alumni Association. Mr. Robinson spoke on general railroad work, safety appliances, and other features of interest, while Mr. Rollins told of the Alumni fund now being created, and urged a contribution to it, no matter how small. He also spoke of the coming annual reunion in New York City, at which many matters of interest to Tech men will be discussed.

MR. SMITH PICKS MOST IMPORTANT MINERALS

Coal Stated to Be Most Important of Twelve Minerals in Order of Value.

The great volume of the mineral production of the United States, its tremendous increase during the last few years, and the wide distribution of the important minerals were indicated in a recent address by George Otis Smith, director of the United States Geological Survey. The twelve most important mineral products in the United States, in the order of value of annual output, were stated by Mr. Smith to be coal, iron, clay products, copper, petroleum, gold, stone, natural gas, cement, lead, silver and zinc. "For certain of these minerals," he said, "the Geological Survey presents estimates of the supply from which the nation's needs are to be met. For others, especially clay products and cement, the question of the supply of raw material from which they are produced is of little moment compared with that of the availability of the fuels necessary for the processes of manufacture.

"Of nearly equal importance with the factor of abundance of these mineral resources is that of distribution. In the first place, the widespread distribution of the raw material makes possible an industrial nation in which every State has some share in the mineral production. Only four States had a mineral output last year valued at less than \$1,000,000, and ten States had a production valued at over \$50,000,000 each. Again, no State or section appears to have a monopoly of the mineral industry. While Pennsylvania, with its total mineral product more than one-fourth that of the whole country, leads in coal, cement and stone by large margins; another State, Minnesota, leads in iron ore; another, Arizona, in copper; California in petroleum; California in gold; Missouri in both lead and zinc; and Nevada in silver. Furthermore, the centers of production are ever shifting.

"For instance, up to 1894, Pennsylvania was the leading State in the production of petroleum. In 1895 it was succeeded by Ohio. Ohio gave way to California in 1903. California gave way to Oklahoma in 1907 and resumed premiership in 1909, retaining it since that time. Both Illinois and Oklahoma exceeded the production of any of the Eastern States in 1907 and have continued to do so. For many years up to 1906 Montana was the principal producer of copper. In 1907 it gave way to Arizona, and in 1909 Arizona gave place to Montana. In (Continued to Page 4.)

PROGRESSIVE PARADE.

(Continued from Page 1, Col. 2.) cheered and then the men sang the Stein Song. Harvard answered in fine style. One of the Tech transparencies, "Pass Prosperity Around," was called the best worded in the line.

A big crimson transparency reading "Bird, '77, and Cosgrove," headed the Harvard delegation. The double enthusiasm of the Harvard victory and the intense party feeling was shown in the loud cheers with which Bird was greeted, the boys giving him a rousing "long cheer." Tufts also stopped and gave their college yell with the candidate's name at the end.

A feature of the parade was a big banner reading, "My wife would vote for Roosevelt if she could. So would yours," while four automobiles provoked much enthusiasm with transparencies in order reading: "Everybody's Doing It," "Doing What?" "Voting for Roosevelt," "He's a Bear."

After the parade Mr. Bird addressed the gathering. He was wildly received, as was also Mr. Cosgrove and Daniel Callahan.

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Classified Advertisements and Notices

FACULTY NOTICE.
Candidates for Graduation.
 October 28, 1912.
 Notes in regard to status with reference to graduation have been sent to fourth-year students. Any student who has not received a note should consult me if he expects to be a candidate for graduation in June, 1913.
 A. L. MERRILL,
 Secretary of the Faculty.

STUDENT VOLUNTEERS—Give your names to L. R. Talbot, T. C. A. office.

PRECISION OF MEASUREMENTS.
 The lectures in Precision of Measurements for entering College Students will be held on Mondays and Fridays at 4 P. M., in Room 23, Walker Building, during the first five weeks.
 (8-11) H. M. GOODWIN.

PRIVATE HOME—One large room, 2 connecting rooms, beautifully furnished, fine library; preferably professors or graduate students. Convenient to all electrics. 19 Howard Ave., Brookline.

LOST—At Tech Field, an open-faced gold watch with H. R. B. on back. Reward if returned to 18 Exeter street. (28-2t p)

LOST—A 10-inch Slide Rule, in the Union, Monday, Oct. 28. 1.30 to 2 P. M. Return to Morrill, '14, for liberal reward. (28-2t p)

IMPORTANT MINERALS
 (Continued from Page 3.)
 1910 and 1911. Arizona again held first place. In 1906 Idaho was the chief producer of lead. It gave way to Missouri in 1907, and the latter State now contributes 45 per cent. of the country's total. Nevada, in the glory days of the Comstock lode, from 1873 to 1878, was the greatest silver producer in the world. When the Comstock declined, in the latter part of the last century, Nevada gave way as a silver producer, first to Colorado, and then to Montana, but became again the principal producer of silver in 1910. Ten years ago Colorado, the leading gold-producing State, produced over 60 per cent. more than California, then second in rank. California's proportion has been steadily increasing for ten years, and in 1911 the largest production of gold was from that State."

FACULTY NOTICE.
 Third Year—Elements of Electrical Engineering—Change of Recitation Hour.

Section F will change from Tuesday, at 10 o'clock, to Wednesday, at 9, to recite in Room 20, Engineering B.
 WALTER HUMPHREYS,

FOUND—Slide rule and case, Pipe case, Raincoat, Text-books, Umbrella, Bunch of keys, 2 Stick pins, 2 Note Books, 3 Watch Fobs, Fountain Pen, Watch, 2 pairs of Rosary Beads, Fraternity Pin. Apply at Bursar's office.

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Assets Old Colony Trust Co. (Oct. 18, 1912)	\$97,000,000
Assets other Boston Trust Co.'s (Sept 4, 1912)	170,000,000
Combined Assets all Boston Trust Co's.	\$267,000,000

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