

DR. STRATTON SAYS EQUIPMENT NEEDED

Has Spent Past Six Months in
Getting Acquainted with
Alumni and Faculty

"Since coming to Technology I have been trying to get acquainted with the Faculty, the student body and especially the Alumni. In the six months I have been here I have had but time enough to become acquainted with the working conditions, which would be necessary before suggesting any improvements." With these words Doctor Stratton explained his work of the last six months.

He said that additions were necessary to the Institute's material equipment and that steps had been taken to secure Dormitories, a new Gymnasium, and several laboratories for special work.

"During the last six months and before coming to Technology," he said, "I have been studying the problem of bringing about a closer relation between the purely scientific departments at the Institute. I would like to see a closer relation between the technical work of the Institute and that of the Industrial World."

"I want to improve and encourage scientific research work of the Institute in order that the technical work in the various departments may be based on the very latest developments. To this end I would like to see a closer relation between the Industrial World and the Institute so that our graduates will be able to cope with the various problems that come up in industry and engineering."

Banquet Just Fifty Years After Their Graduation Dinner

Class of '73 Men Here Yesterday
Celebrating Graduation
Anniversary

Twelve members of the Class of 1873 met yesterday to celebrate their Fiftieth Anniversary. They went through Rogers Building in the morning, had a class picture taken "on Rogers' steps," came over and lunched in the grill of Walker with Dr. Stratton, and were shown through the buildings. The day ended with a dinner at Young's, which came exactly 50 years after their graduation dinner.

When it entered the Institute with 89 members, the Class of 1873 was considered very large. There are 25 living members of the class at present, and nearly half this number were present at the reunion. They were all quite active for their age and showed keen interest in the proceedings that were going on in the various laboratories they visited.

Shown Electrical Generator

There were a number of prominent men in the group yesterday. The class president, Dr. F. H. Williams, is well known as a physician in Boston, and for his work in X-ray medicine. One of the first things the class inspected was an old electrical generator that he had designed, and which had been used for 20 years in the City Hospital for X-ray treatments.

This machine was given to the Institute after other apparatus had been installed in the hospital. It gives a 12 inch spark, and consists of eight six foot glass plates, four of which are stationary and four of which revolve. He said that the machine had traveled many miles during its life, going "a mile a minute, and used every day for 20 years."

Worked with Langley

Next they were shown an electric furnace in operation. Tungsten oxide was being reduced to metallic tungsten by heating it with carbon in the furnace. From there the party went out to the wind tunnels where airplane models are tested. Both the six foot and 14 foot tunnels were run for a short time, in order to show the men how they worked. They were told that models up to 40 inches wide could be tested in the larger tunnel.

One of the party was very much interested in this, since he had worked with Langley in his experiments. He said that "a tunnel like that would have helped us a lot." He also said that Langley was kept busy as secretary of the Smithsonian Institute and would visit him every now and then to see how things were getting along. He stated that "I did most of the work, but Langley devised and in-

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SOPHOMORES IN P.E.E. TO HEAR PROF. BUSH

Lecture on Vacuum Tubes This
Morning Open to Every
One Interested

This morning in the Sophomore Principles of Electrical Engineering Lecture Professor Vannevar Bush is giving a talk on the latest developments in the Electrical Engineering field. Professor Bush has been doing a good deal of research work lately and has made a number of interesting discoveries the details of which the Electrical Engineering Research Department is not as yet prepared to announce. Since the professor has been giving a good deal of time and attention to the investigation of vacuum tubes, it is probable that the larger part of his lecture will be confined to this topic which furnishes a fine example of investigation into the realms of pure science.

The lecture takes place at 9 o'clock in room 4-370 and "any who wish to attend are welcome to do so," says Professor W. T. Timbie of the Electrical Engineering Department.

MANAGER FORCED BY STUDIES TO RESIGN

Resignation of B. A. Cushman '24
Accepted by Musical
Clubs

B. A. Cushman '24, has resigned as Business Manager of the Musical Clubs on account of his studies. This announcement was made yesterday afternoon by the Executive Committee of the Clubs after their meeting at which the resignation was accepted.

Cushman has been on the Clubs for the past three years. In his freshman and Sophomore years he was an assistant in the business department, while last year he was treasurer of the Clubs and a member of the Mandolin Club.

The position of business manager is one that was just created this year. Last year there was a position somewhat similar known as Senior advisor, but the duties were not clearly defined and there were no definite powers to go with it. The successor to Cushman will probably not be chosen until next fall.

Largest Class Since Founding Graduated by Lowell Institute

Annual Banquet of Graduates of
Night School Held at
City Club

"These men are exceptional men and with the privileges and opportunities open to them they should climb as high as they desire," declared Dr. S. W. Stratton speaking at the nineteenth annual graduation exercises of the Lowell Institute in room 10-250 last Tuesday evening. He also said that if it was thought advisable to open any of the more advanced courses to the Lowell Institute he would give the matter his hearty support.

Dr. Stratton's address was preceded by a talk by Professor C. F. Park '92, Director of the Lowell Institute. Professor Park mentioned how Technology's unsurpassed buildings and equipment were utilized by classes during the day and then by the Lowell Institute for night classes. President A. L. Lowell of Harvard gave the final address, after which he presented the diplomas. About 125 received these; the largest class the Institute has graduated.

Last night the annual banquet was held at the City Club. Speeches were made by President A. L. Lowell, Dr. S. W. Stratton, Professor C. F. Park '92, Professor E. F. Miller '84, Professor A. L. Merrill '82, and officers and alumni. Dr. Pritchett, President of Technology when the Lowell Institute was founded twenty years ago, was expected but was forced to telegraph his regrets at the last moment.

An Acceptance

The Class of 1924 accepts the
challenge of the Class of 1923
to secure the "T" on June 9.

(Signed)

William H. Robinson, Jr.
For the Class of 1924.

Appointment of Four Field Day Managers Ratified Yesterday

Special Meeting of Institute
Committee Devoted to
Ratifications

Appointments to the various Standing Committees by the Executive Committee of the Institute Committee were ratified at a special meeting of the latter body yesterday afternoon. In addition the appointments of the supervising managers of the Field Day teams were also accepted at this meeting, which is the last to be held during the present school year.

L. P. Marsh '24, the runner-up in the race for class presidency, was chosen unanimously by the Executive Committee to be the chairman of the Tech Night Committee. The other members of this committee are E. S. Johnston '25, B. A. Oxnard, Jr. '25, and E. S. Bates '24.

Johnston played guard on the basketball team last season, Oxnard was a member of the swimming team, and Bates has a class presidency to his credit among other activities.

Marsh Heads Two Committees

D. B. Jennings '24, was appointed to the chairmanship of the Elections Committee. Jennings was the Editor-in-Chief of Technique 1924 and a candidate for presidency of his class in the recent election. The class treasurer, F. G. Hanner '24, was given the position of chairman of the Finance Committee.

The direction of the work of a second committee was put under Marsh, when he was made chairman of the Point System Committee. Ernest Hoshbach '24, chairman of the Dormitory Committee, will hold the same position on the All Technology Smoker Committee.

T. F. Bundy '24, will be the new chairman of the Walker Memorial and Hangar Gym Committee. Other members of this committee are A. M. Gault '24, Austin Cole, Jr. '25, Richard Jones '25, J. P. Larkin '26, and E. N. Bidwell '26.

Choose Field Day Managers

Bates is the chairman of the Budget Committee; G. H. Cowan '24, is chairman of the Boathouse Committee; C. A. Frank, Jr. '24, is acting chairman of the Activities Committee; and W. E. Delehanty '24, is chairman of the Intramural Committee.

The appointments of the Supervising Managers for Field Day were ratified at the meeting yesterday. R. P. Price '25, was chosen as football manager; A. H. Stanton '25, will be in charge of crew; J. Q. duPont will supervise the relay teams, and G. C. Caine '25, was made tug-of-war manager.

An amendment to the constitution of the Institute Committee which was passed at the meeting provides that the members of the Election Committee shall be appointed by the Executive Committee subject to the approval of the Institute Committee, instead of their being appointed by the chairman of the Elections Committee subject to the approval of the Executive Committee, as was previously the case.

The yearly report of the Walker Memorial Committee was accepted, and the election of four men to various positions on the staff of the T. E. N. was ratified.

SENIORS EXPECT TO WIN BALLOON RUSH

Release of 60-foot Airship in
Charge of President of
Aero Society

The Class of 1923 are confident that when they send up their balloon on Class Day, June 9, at 4:30 o'clock, a senior will bring back the "T." The balloon, which is sixty feet in diameter, will be provided by the Aeronautical Society, and will be let loose from the athletic field under the direction of V. J. Weaver '24, president of the society.

In sending up this balloon the Senior Class is establishing a precedent which they hope will be followed by future classes, and they are very desirous of having the other classes participate in the "balloon rush" so that competition will be keen. The man who obtains the "T" will present it to President Stratton Sunday from whence it will go to the trophy room of Walker Memorial to be used next year.

Senior Alumni Drive Conducted Next Week

A committee of the Class of 1923 will make a personal canvass of every member of the class in an endeavor to enroll them in the Alumni Association. The drive will be conducted next week, and according to R. P. Shaw '23, who is president of the class, it is hoped that 100 per cent will be enrolled, while it is expected that at least 80 per cent will join.

The charge for joining the Association is \$3. Membership includes subscription to the Technology Review, and for many will be the only contact with the Institute.

NINE FROSH ELECTED TO TECHNIQUE STAFF

Tech Show Photographer Picked
to Make Pictures for
Book of 1925

In accordance with its new competitive organization Technique has elected nine men of the class of 1926 to its staff, seven to the Business staff, and two to the Editorial.

Because of dissatisfaction with the work of the photographer who took the pictures for Technique 1924 the photography for next year's book will be done by Ye Craftsman Studio. This is the studio which has done the work for Tech Show during the past year.

Technique 1925 will contain a larger Senior Week section than former books. Seniors may obtain signups for next year's book in the main lobby today and tomorrow, and at the Senior Banquet. The payments will be collected next fall and the books will be mailed to those who have signups.

The elections to the staff are as follows: Business, J. F. Carey '26, J. W. Dunham '26, C. W. Snow '26, E. B. Stallman '26, N. A. Steimer '26, Martin Walter '26, and E. J. Wood '26; Editorial, H. A. Fitts '26, and P. L. Hatch '26.

Senior Class Luncheon Meetings Next Week

There will be luncheon meetings of the Class of 1923 in the north hall of Walker next Monday and Tuesday. The Seniors will be served the regular lunch and each man will pay for his own. In the words of R. P. Shaw '23, class president, the idea of the meeting is to give information about and organize for Senior Week.

Sophs Gassed

Captain Phillips of the Chemical Warfare Service is giving a series of lectures to the Sophomore Military Science sections this week. Each section gets two lectures. The last two are today, at 11 and 2 o'clock; both are open to all. The first one is merely an exposition of the different kinds of gas and their uses and effects. During the course of this lecture, he stated that at the next one, he would give a demonstration of the effectiveness of smoke screens and tear gas.

After making this announcement, he said, "There is one satisfaction to these lectures. During the talking, I cannot be sure whether you are laughing with me or at me. However, I am sure you will cry with me before I am done with you." He started his second lecture with a description of the important types of gas masks that were in use during the war. Then after a few slides showing aeroplane views of gas attacks, gas masks in use, etc., he led the class out to the athletic field.

Smoke Screen Chokes Men

On arrival there, he produced a number of phosphorus smoke grenades. He outlined their principle, and then demonstrated. The first one landed on the track, ten feet or so from one of Mike Hoar's vassals who was watering the track. Captain Phillips called out to him to watch out. At that moment it went off. The man with the hose changed his activities to another part of the track.

He then laid over several of the grenades and told the men to charge through the screen. They did so. The smoke was a trifle choking, but not seriously so. They returned to the windward. He then informed the men that he would let loose some tear gas. (Continued on Page 3)

ELISHA LEE '92 TO BE SPEAKER AT GRADUATION

Mr. Lee, Course I Graduate, Is
Now Vice-President of
Pennsylvania R. R.

BEGAN WORK AS RODMAN AFTER HIS GRADUATION

Under Government Control of
Railroads Was Federal
Manager in East

The principal speaker at the graduation ceremony of the class of 1923 will be an alumnus of the Institute, Elisha Lee '92. Mr. Lee, a graduate of course I, today holds the position of vice-president of the Pennsylvania railroad, a position which he has attained through hard work and ability.

Soon after graduating he began work for that road as a rodman. By 1907 he rose, through successive intermediate positions to that of principal assistant engineer of the Philadelphia, Baltimore & Washington division of the Pennsylvania road. From 1909 to 1911 he was superintendent of another branch, and from that time to 1916 was assistant to the general manager of the eastern lines of the same road. In 1917 he became acting vice-president and in the same year, when the federal government took over administration of the railroads he was appointed Federal Manager of the Eastern lines.

He was likewise prominent in work not directly part of his regular positions. From 1912 to 1914 he was chairman of the conference committee of eastern railroads. Later he became chairman of the National Conference Committee on negotiations between railroads and railroad brotherhoods. While at the Institute Mr. Lee was a member of the Civil Engineering Society.

HUNDREDS WITNESS FROSH R.O.T.C. PARADE

R. D. Earle, K. C. Hawthorne and
Karl French, Three Fresh-
men, Decorated

About a thousand people watched Major General A. W. Brewster decorate R. D. Earle, K. C. Hawthorne, and Karl French at the freshman R. O. T. C. review last Monday afternoon. These men respectively won the gold, silver, and bronze medals in the competitions for the best drilled men in the unit.

The entire unit, about 460 men, under student command, was reviewed by General Brewster and Dr. S. W. Stratton, both of whom are well pleased with the showing. The formal review and decoration was followed by an evening salute by cannon, available through the courtesy of the artillery unit of the Harvard R. O. T. C. The Coast Artillery band from Fort Banks led the unit in evening parade.

Everyone who viewed the ceremony praised the showing of the freshmen. Major Paul Baade, professor of military science at B. U., who was one of the judges in the final competition remarked, "I came here to pick out mistakes but I don't see any." Colonel F. W. Phisterer of our own department, said, "I think they gave a very remarkably good showing." He said this was particularly true in view of the fact that the total time spent in drilling was theoretically 45 hours and practically amounted to about 33 periods of about 45 minutes' duration each. In this, the entire battalion was on the field only once. Lieut. E. H. Levy has been in charge of the freshmen the past ten weeks.

CALENDAR

Wednesday, June 6
6:30—Class Banquet, Walker Memorial.
Thursday, June 7
9:15—Senior Picnic, leave by Trolley and Boat for Pemberton.
Friday, June 8
3:00—Tea Dance, Walker Memorial.
Saturday, June 9
2:00—Class Day, Armory.
Sunday, June 10
3:30—Baccalaureate Sermon, Trinity Church.
Monday, June 11
11:00—Inauguration, Symphony Hall.
8:00—Tops Concert, Symphony Hall.
Tuesday, June 12
11:30—Graduation, Great Court.
4:00-6:00—Reception, Walker and Department Headquarters.
9:00—Senior Prom, Walker Memorial.