

THE TECH

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PRICE THREE CENTS

SOCIETY OF ARTS HEAR LECTURE

**Frank Alvord Perret Talks
on Vesuvian Eruptions
and Volcanoes**

THEORY EXPLAINED

**Professor Perret Representative
of Research Society and
Brooklyn Institute**

Yesterday evening, Professor Frank Alvord Perret delivered a lecture on volcanoes to the Society of Arts. He came as the representative of the Volcanic Research Society and the Brooklyn Institute. At the observatory at Vesuvius, he was honorary assistant to Doctor Metuchie and his accounts of the late eruptions of Vesuvius, Etna and Stromboli enabled him to present a very interesting and instructive talk. Many of the slides illustrating the lecture were taken at great personal risk. One picture in particular was taken during an eruption of Mount Etna and looking down into the crater from an overhang, was greeted with merited applause.

Professor Perret opened his remarks with a few illustrations to show the enormity of the force with which he had to deal and the danger incurred in its study.

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SHOW NOW UNDER WAY

Competition for Lyrics Begins Next Monday

Coach Francis will probably make known his choice of the new Tech Show before next Monday. The title will be announced at the "Tech Show Komers," at the Union, Nov. 21, and the envelope containing the author's name will be opened. The competition for lyrics will start Monday and is open to everyone. All men who have any ability in this line are urged to meet Stage Manager Goodwin in Room B, the Union, next Monday or Friday at 4. At that time suggestions for subjects of lyrics will be given out. Any good lyric, however, will be accepted and worked in. It is the desire of the management that lyrics be in early, that an early start may be made in the music.

Tickets are now on sale for the Tech Show dinner, to be held in the Union, Saturday, Nov. 21. All the former show members now at the Institute will be present and new men are particularly urged to go to find out about the greatest social event of the school year. Coach Francis will probably be on hand to speak. Members of previous shows will do "stunts" and furnish the evening's entertainment.

In answer to the call for candidates for the business and advertising managements Wednesday, 22 men expressed their intention of coming out for the business department, while only 6 selected the advertising end. The latter department is perhaps the most interesting of all the departments. There is a good chance this year as two assistants are to be picked, and it is hoped that more interest will be shown. Both competitions are still open and C. J. Sittinger and Dudley Clapp are ready at any time to take new names.

CALENDAR

FRIDAY, NOV. 13.

1:00 P. M.—Rifle Club Executive Committee.

3:00 P. M.—American Leather Chemists at Hotel Brunswick.

4:15 P. M.—Mandolin Club rehearsals.

SATURDAY, NOV. 14.

2:15 P. M.—Rifle shoot.

SUNDAY, NOV. 15.

6:35 P. M.—Y. M. C. A. at Union.

SYSTEMATIC PLAN IN GYM TRAINING

**Physical Training Important
Part of Instruction
this Year**

GYM CLASSES AT WORK

**Freshman Attendance Poor at
the First Meeting—
New Instructor**

Regular work in physical training began at the gymnasium Monday afternoon. Only about 25 freshmen showed up for the first section meetings and some of these came without suits. Owing to illness Mr. Towne was unable to be present at this time. His place was taken by assistant instructor Bruce, who put the men through a few simple exercises as an introduction to the later work.

The importance and seriousness of the course in physical training must be much more fully realized. The instructors have laid out a systematic program for the year. During the first two weeks attention will be given to light work and the rudiments of calisthenics to be followed by Swedish movements, dumbbell, and apparatus work. The prospects for a gymnasium team are as yet uncertain. Wilson, Gott, and Courtney of last year's squad, have reported for work, but Howell and Darrow are not at the Institute this year.

Most of the freshmen have taken strength tests and many of them have elected gymnasium work in preference to athletics.

Because of the compulsory work in the freshman year, physical training is to be a much more integral part of the business of the Institute than it has been heretofore. Mr. Towne is to be assisted in his duties as instructor by Mr. Harold A. Bruce. Mr. Bruce was captain of the Chauncey Hall School track team in 1901 and at the same time had charge of some of the boys' gymnasium classes at the Boston Y. M. C. A. Later on he was captain of the cross-country track and football teams at the Frye School in Boston and also of the football team at Burdett College the year the team defeated Exeter. Also in 1904 he ran in the Olympic games at the St. Louis exposition and for some time held the interscholastic championship in the 10-mile run. Mr. Bruce is to study this year at Sargent's School in Cambridge in addition to his work at the Institute.

The department of physical training has issued a little booklet containing a preface by President Noyes and a series of tables by means of which the particular body defects in any individual case may be indicated and the proper exercises for removing the defects prescribed. One of these booklets is given to each man taking a strength test and in it are recorded his special needs and the way in which he can supply them. At the end of the booklet is an anthropometric table in which the physical condition of the student is plotted at the beginning and end of the season so that the improvement during the year may be shown. Besides this there is much miscellaneous material on the general care of the body which is of interest to all the men whether they are taking regular gymnasium work or not.

SOPH RUNNERS MEET

A meeting in the interests of sophomore cross-country was held yesterday, with about a dozen present. Captain J. D. MacKenzie, of last year's team, presided. He urged the men to come out for the handicap run two weeks from Saturday and to put forth their best efforts before the spring contest with the freshmen. C. P. Eldred was elected captain of this year's team.

MACLAURIN CHOSEN TO HEAD INSTITUTE

**Columbia Professor Picked
for the Position by the
Corporation Committee**

BROAD EXPERIENCE

**He has Worked in England, New
Zeland, Australia and
This Country**

At the convocation yesterday Dr. Noyes spoke of Prof. Maclaurin as follows:—

"I desire to announce to you that the Executive Committee of the Corporation at a meeting yesterday voted to appoint Professor Richard C. Maclaurin, now at the head of the department of physics at Columbia University, permanent president of the Institute. Professor Maclaurin is a scientist of the first rank, known throughout the world for his many important researches in mathematical physics. He is an experienced teacher, having been for nine years a member of the faculty at the University of New Zealand and for one and one-half years of that of Columbia University. He has studied the system of higher education prevailing in most of the leading countries of the world, England, Germany, France, Australia, New Zealand, Canada, and the United States, and he has an especial interest in and sympathy with the form of education in applied science, which has been developed at the Institute. This experience is supplemented with a high character, with a quiet enthusiasm and a personal charm, which has made him a favorite among his associates and among his students, both in New Zealand and in New York. We may all therefore congratulate ourselves in having secured a man so well fitted for the presidency of the Institute. I shall hope to present him to you within a few weeks at a convocation."

Professor Maclaurin, now head of the Physics Department of Columbia University and Professor of Mathematical Physics in that institution, was born in Edinburgh, Scotland, in 1870. His early boyhood was spent in New Zealand, whence he returned, however, to complete his preliminary education in the English schools. In 1892 he entered the University of Cambridge, England, where he held a foundation scholarship in St. John's College. He took two degrees while at Cambridge, Bachelor of Arts in 1895 and Master of Arts in 1896. In his work for the latter degree, Mr. Maclaurin took the highest rank in the most advanced mathematical examination, being bracketed with the Senior Wrangler in the first division of the class in part Two of the Mathematical Tripos. He also received the Smith prize for the excellence of his thesis in mathematics.

Upon his graduation he was elected a Fellow of St. John's College.

During the years 1896 and 1897 he spent ten months in the United States and Canada, devoting himself to study and to visiting educational institutions of all classes, spending much time at McGill, Toronto, and Leland Stanford Universities.

Returning to England at the end of his American trip, he re-entered Cambridge University, this time to study law, and was awarded the McMahon Law Studentship, the most highly valued of its kind in the university. He became a member, at this time, of the Honorable Society of Lincoln's Inn, London. During this period he spent six months, on a leave of absence, in studying in Germany.

In 1898 he was awarded the Yorke prize by the University of Cambridge for his thesis on "The Title to Realty," a difficult and important topic in British law. The thesis was published in English and French, and received world-wide comment from the highest legal authorities. Of it the Law Quarterly

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ENGINEERS NEED BROAD TRAINING

**Pres. Benjamin Ide Wheeler
of California Speaks
at Convocation**

VALUE OF CHARACTER

**Students Should Set Out to be at
Top of their Profession
Says Californian**

That a broad education is just as necessary as scientific study for the future success of the engineer, was the main point made by President Benjamin Ide Wheeler of the University of California, at the convocation yesterday afternoon.

When Pres. Wheeler rose to speak, after his introduction by Pres. Noyes, a University of California cheer was given by a group of former students of that institution. He said that this made him feel much more at home and led him to speak as to his own students.

The theme of his talk was the necessity of a training on broad lines, on account of the dealings that engineers have with people as well as with stone and steel. He pointed out that a man is usually what he starts out to be and in closing warned his hearers that they could never be first-class engineers if they began life with the idea of being third-class. Dr. Wheeler's address was interspersed with many amusing remarks and was thoroughly enjoyed by every student in the room.

Before presenting Dr. Wheeler to the convocation, which was crowded away beyond the normal capacity of Huntington Hall, Dr. Noyes spoke to the students about the man who has just recently been selected as the permanent head of the Institute.

In introducing Dr. Wheeler to the meeting Dr. Noyes said:

"Today we are especially fortunate in having with us the distinguished president of one of the most successful American Universities, namely the University of California, which has, under President Wheeler's administration, grown not only in the number of students and the scope of its work, but also in what is far more important, the standard of its scholarship. Its form of education in the scientific and engineering branches is very similar to that of the Institute and the earnest and enthusiastic spirit of its students is, I believe, much the same as ours."

When I asked Prof. Wheeler upon what subject he would talk, he said, "Oh, I shall talk to them as if they were my own students."

I take great pleasure in introducing to you President Benjamin Ide Wheeler of the University of California.

Dr. Wheeler said in part; after hearing the California yell:

"I feel better already. This is just like one of our meetings at home. We have them every two weeks."

"I want first of all to congratulate you on the splendid man that has been secured for our presidency. It means that you have secured a man of international experience and of great ability. Every heart in the country that has the slightest interest in education has filled with joy at hearing the news. He will make a good president of the Institute. When you see him you will like him."

"Out in the middle west my boys are working side by side with those from Technology. They say there is no one so good as a University of California engineer except a Massachusetts Institute of Technology engineer. And the two always get on well together. They work together, too. So why should I not talk to you in the same way that I talk to my boys who come to me every fortnight and who go out in the hills to do the same work as you will go out to do."

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