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## PROF. JAGGAR ENRICHES KNOWLEDGE.

RETURNS THIS WEEK FROM TRIP TO  
ALEUTIAN ISLANDS.

Party Gathered Much Data of Interest  
to Science.

In the scientific world much interest is being taken in the return to Boston this week of Prof. Thomas A. Jaggar, who led Technology's expedition the past summer to the western Aleutian Islands for the purpose of gathering scientific data, especially with reference to the supposed volcanic origin of some of the group.

Prof. Jaggar was expected in Boston not later than Wednesday, and from the fragmentary reports of what he has seen and done it is expected that the scientific knowledge of the world will be greatly enriched by his report.

Prof. Jaggar and a small, selected party left here early in May for the exploration of the Aleutians. They went overland to Seattle, where they chartered the 39-ton schooner Lydia for their long



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voyage in waters which are noted for their turbulence. They were absent from this country until Sept. 11, when they landed, safe and sound, at Seattle again, with a large amount of specimens and a great deal of written data.

Only two men from this part of the country accompanied Prof. Jaggar. They were D. B. Myers and H. P. Sweeney. Both are fourth-year students in the mining course at Tech and will graduate next June. These men have returned to the east.

Last week Prof. C. H. Warren received a letter from Prof. Jaggar in which he said the health of the party had been good and that the records, photographs and specimens they had secured in the Aleutians were all that could be desired. He said that some of the results were of economic interest.

Prof. Jaggar is probably one of the foremost, if not the very first of authorities of the world on earthquakes and volcanoes, having personally investigated the latest earthquake eruption of Vesuvius, the earthquake at San Francisco, the eruption of Mt. Pelee, and other notable phenomena of the sort. So one of the paragraphs in his letter to Prof. Warren will whet the appetites of knowledge-hungry scientists when they read what he said with reference to Bogoslof. His brief but impressive reference to that place was: "Bogoslof is one of the wonders of volcanology."

With the thoroughness which has always characterized his researches, there is no doubt that Prof. Jaggar has secured more accurate information concerning Bogoslof than the world has yet learned, and his report will be accepted as the final authority on it and the conditions prevailing there up to the present day.

## FRESHMEN URGED TO WORK HARD.

AT CLASS MEETING JUN ORS GIVE  
ADVICE ON FIELD DAY.

1911 Men Elect Officers, Cowee of Andover  
Being Chairman.

The Freshmen held their first class meeting Wednesday. Pres. Moses, '09, welcomed the new men on the part of the two upper classes. Speeches concerning Field Day were made by Whittikar, '09, on track; Scharff, '09, on tug-of-war, and Critchett, '09, on football.

The men were urged to come out for the class teams promptly and in large numbers as Field Day is only a month



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off, and all the time is needed for practice. It was said that work for these teams need not interfere in any way with studies, and that a man who is not strong enough to keep up both will never succeed at the Institute.

The Juniors volunteered to coach the tug-of-war and the varsity coach will attend to the relay men. Candidates for the former will report this afternoon at the Gym.

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## FRESHMEN DINE TOMORROW.

First 1911 Dinner at the Union at 6.30 P.M.  
Only Freshmen Admitted.

Tomorrow evening the Union will be the scene of the first Freshmen dinner, given under the auspices of The Tech. This dinner is held during the first week of every year to give the Freshmen a chance to become acquainted and to meet members of the Faculty and students prominent in Technology activities.

The alumni will be represented by two of their most prominent members, Isaac W. Litchfield and James P. Munroe, the latter a member of the Corporation. For the Faculty, Dean Alfred E. Burton, Bursar F. H. Rand and Registrar Walter Humphreys will address the class.

A. L. Moses, '09, president of the Junior Class, will speak to the first year men of the constant training necessary to develop their teams, and John Tobin, '08, manager of the Track Team, will describe the track athletics at the Institute, and the prospects for the year.

Loring, '08, captain of the Fencing Team, will represent his part of Technology athletics, and explain the system of coaching here, which in the past has developed fast fencing teams. The publications of Technology will be described by H. W. Hoole, '08, Editor-in-Chief of THE TECH, and the opportunities in literary lines fully explained.

The dinner will be held at 6.30 tomorrow evening, at the Tech Union, Garrison Street. Tickets at fifty cents each may be obtained today and tomorrow in Rogers Corridor, and must be purchased early, as the capacity of the dining room is limited.

## URGES PARTICIPATION IN STUDENT LIFE.

PRES. NOYES GREETED NEW STUDENTS.

Advises Freshmen to Make Most of  
General Studies and Social Life.

President Noyes met the new men in Huntington Hall yesterday afternoon, and greeted them in a characteristic talk. About 700 students were in the hall, the majority of them being upper-class men. President Noyes spoke particularly of the value of the various student activities, and urged the new men to enter one or another of the branches of this field for outside diversion. He spoke in part as follows:—

The object for which you have come to us we shall assume to be the preparation of yourselves for a life of active service of a high intellectual order among your fellowmen—a service that shall consist not merely in doing the routine work of the world, but in directing its great engineering enterprises and promoting its scientific and industrial development. We shall assume that you have come to us not merely to acquire such a technical knowledge of the industrial arts as might make you successful mechanics, draftsmen, or chemical analysts, but in order to make of yourselves leaders in the scientific professions—to become engineers, architects and chemists of the highest type.

The fact that you have deliberately selected this institution for your education shows that you already appreciate that it is only by strenuous endeavor and close application that important results can be accomplished; and I do not need to tell you that the Institute expects its students to work hard during the period of their study. It is the habit of work and seriousness of purpose here acquired that account for the success of its graduates, no less than the training of their mental faculties.

Yet I should be very sorry to give any of you the impression that your life here is to be or ought to be one of work alone; on the contrary, the student who neglects the opportunities incidental to his Institute course for the development of a spirit of good fellowship and the cultivation of his social faculties, for the broadening of his interests and his general culture, and for the development of a healthy physique is likely to be outstripped in his subsequent career by a less intellectual comrade who gives a duly proportioned attention to these matters.

I would first emphasize the vital importance of attending to the maintenance of your health in every way—by sleeping enough, by having your meals regularly, and by taking a proper amount of exercise. Earnest students are apt to disregard these things, because, being young and in good health, they experience no immediate harm from so doing; but continued neglect of them is sure to lead to an impairment of the constitution, and with it of individual happiness and efficiency.

The Institute does not make physical training a compulsory subject; for it prefers to make this a matter of individual responsibility after bringing the need of it as forcibly as possible to the attention of students.

This much is, however, expected: that every first-year student go to the gymnasium at a specially assigned time within the next four weeks. The instructor there will make the usual anthropometric measurements, and strength tests, which will be recorded on a card subsequently delivered to the student. Those students whose physical development is much below the normal will receive notes informing them of that fact and strongly advising systematic exercise at the gymnasium.

The Institute awards each year five bronze medals to those students who show the greatest physical development during the school-year; and you are all urged to enter into competition for those medals.

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## Y. M. C. A. ENTERTAINS NEW MEN TONIGHT.

UNION THE SCENE OF RECEPTION.

Speakers and Refreshments to Supply  
Entertainment for Freshmen.

This evening at 8 o'clock the Tech Y. M. C. A. will give a reception to all new men at the Union. This meeting is to be entirely of a social character, merely a means of getting the new men acquainted with one another, and is in no wise a method for canvassing members for the Tech Y. M. C. A.

The speakers are to be introduced by J. G. Reid, '08, president of the Tech Association, who will preside; Dean Burton will speak for the Faculty, while many other professors and instructors will be present in order to give the Freshmen a chance to meet them socially.



L. W. BROCK.

The athletic committees will probably be represented by Orr or Tobin, and the plans for Field Day will be announced by the Juniors who are aiding the Freshmen. C. C. Field, '10, will speak to the men about the Musical Clubs; and the several school publications as important factors in the interest and life of the Institute will be spoken of by H. W. Hoole, '08.

The speaking will end with L. W. Brock, secretary of the association, who will talk a few moments on the aims and results of the Association, after which light refreshments and a general good time at the piano will round out the evening's entertainment.

## TURBINE IS PURCHASED.

Big Engine Secured but no Place to Put It.

During the summer the Institute has purchased from the Westinghouse Company a 500 kilowatt Parsons turbine with generator shaft and bearings. It is to run in connection with the large superheater purchased last spring, steam being furnished at 200 pounds pressure and 150 degrees of superheat.

At present the Institute is not able to obtain the generator, so that a large water brake has been supplied. This will absorb the load and measure the power supplied, enabling careful experiments in efficiency to be made.

The rumor that the lunch room in Pierce is to go to make room for this powerful addition to Technology energies is now branded as false, though the faculty admits that it has no place for the engine.