

SCENE FROM 'AS YOU WERE'
The Tech Night Show



WHEN SIRENS ENTER
—AS YOU WERE

Wilbur Theatre And Its Comely
Dancers Will Entertain 1300
Techites at Annual Revelry
Tonight

GAGE '22 ADDS TECH HUMOR

Field Day will have a fitting finale this evening in Tech Night. When the booth opened on Saturday for the second day of the ticket sale, but five pasteboards were left and these disappeared in record time. Those who succeeded in purchasing seats consider themselves fortunate for "As You Were," now in its third week, is said to be a play worth seeing.

The opening scene of the play depicts a wealthy banker, played by Sam Bernard, who is tired of his wife's extravagance and suspected inconstancy; in the hope that he find a place where women are unknown, he takes pills that convey him into

the past. The first pill takes him back to Versailles, another to Cleopatra's palace, still another to the days of Helen of Troy and finally to the primeval forest. No matter where he goes he becomes the wooer of the bewitching siren, played by Miss Bordini, finding in all cases that women are not constant to their mates.

Play Very Popular

Their popularity is sufficient proof of the catchiness of their melodies. The play abounds with humor, in fact Phillip Hale of the Herald said: "The audience laughed continuously." The humor particularly applicable to Technology which is a special feature for tonight, is the work of Frank Gage '22.

The tediousness of the intermissions will be relieved by Technology cheers and songs. The Wilbur Theatre will be decorated with Cardinal and Gray banners and a many colored array of class banners. The Tech Night Committee consisting of I. D. Jakobson '21, chairman, A. D. Harvey '21, C. E. Brokaw '22 and F. D. Gage '22 have been busily engaged in making arrangements. They have received the cooperation of the theatre management, and of the cast of the show, and look forward to a most successful Tech Night.

DARTMOUTH COLLEGE
MUSICAL CLUBS WILL
GIVE JOINT CONCERT

(Special to THE TECH)

Hanover, N. H., October 29.—The Dartmouth College Musical Clubs will make the first trip of their season this week, giving two concerts on the tour. The clubs will leave Hanover Wednesday evening and give a recital at Peekskill, N. Y., Thursday evening. On Friday evening they will give a joint concert with the Cornell University musical clubs in the ballroom of the Hotel Pennsylvania in New York.

Dartmouth College will have a holiday from 10 o'clock Friday morning, November 5 until Monday morning, November 8 in order to allow the undergraduates to attend the Dartmouth-Cornell football game at the Polo Grounds, New York city, Saturday afternoon. A special train will leave Hanover at 10:30 o'clock Friday morning, and it is expected that a large number of Dartmouth students will make the trip. This is an annual custom at Dartmouth in order to give the students a chance to go to one out-of-town game.

The undergraduate Republican club at Dartmouth recently held a big mass meeting. Jacob Gould Schurman, ex-president of Cornell University, was the principal speaker.

The letter games for the Dartmouth football team have been announced as follows: Cornell vs. Dartmouth at

New York, Nov. 6; University of Pennsylvania at Philadelphia, Nov. 13, and University of Washington vs. Dartmouth at Seattle, Washington, Nov. 27.

FOREIGN STUDENTS DINE

The foreign students attending the Institute were welcomed by Professor Talbot at a dinner in the north hall of Walker last Saturday evening. Professors Bigelow, Sedgewick, Lipka, Spofford, and Pearson were among the notables present. Professor Sedgewick gave his impressions of the universities of Paris, and Cambridge, England, and Dr. Phillip Hitti of Beirut, Syria, delivered an address on, "International Good-Will." A. H. Rodriguez '21 spoke for the Cosmopolitan Club.

STUDIES AMAZON OILS

At the request of Dr. H. H. Rushby, dean of the College of Pharmacy of Columbia University, Professor A. H. Gill of the department of Chemistry has consented to make a study of the fatty oils of the oil-yielding seeds, which the Mulford Expedition to the Amazon valley plans to collect.

The expedition which consists of a large party of American scientists will start out next January to explore about 1000 miles of almost unknown territory in the upper Amazon valley. The ground to be covered includes a portion explored by the Roosevelt expedition along the Medera river. The expedition is purely a scientific undertaking for the study of plants, insects and seeds in the Amazon basin.

WRESTLERS COMMENCE
WORK NEXT MONDAY

Most of Last Year's Squad Has
Returned — Cyclone Burns
Will Coach Varsity and Fresh-
man Candidates

NEGOTIATE SEVERAL MEETS

Preparation for the coming wrestling season will begin next week under the direction of "Cyclone" Burns. It is expected that this year the Institute will put out a record team that will equal, if not surpass, the record season of last year. Meets are being negotiated with Yale, Tufts, Brown, Dartmouth, Springfield, Y. M. C. A. and Harvard, and the finished schedule will present some extended trips, as well as spectacular matches on the home mat.

The first call for material is being made at this time to give Coach Burns ample opportunity to build up a team around the veterans of last year. Of these may be mentioned Captain Russell, Butler, Freeman, Humphrey, McGrady, Rosenfield, Barnard, Quealy, and Boules; while the Freshman team of last year included Warburton, Hazeltine, Richards and Herrick. However a few weeks may elapse before the team is picked, and the present vacancies will be eliminated by competition.

SOCCER AT NEWTON

Team Begins To Prepare For
Harvard Game

Next Saturday the varsity soccer team will play Newton High at Newton. Manager Kurzman says a general shakeup of the team is due because of the poor playing at Andover last Saturday and because of the laxity in attendance.

It is important that attendance be regular because of the proximity of the big game of the season, the Harvard game. This game will be played on Saturday, November 13. The Institute team will have to work hard to beat Harvard this year as they are getting good coaching. Due to the change of time it has been impossible to scrimmage this week, and



the game between the freshman and the varsity teams has had to be postponed.

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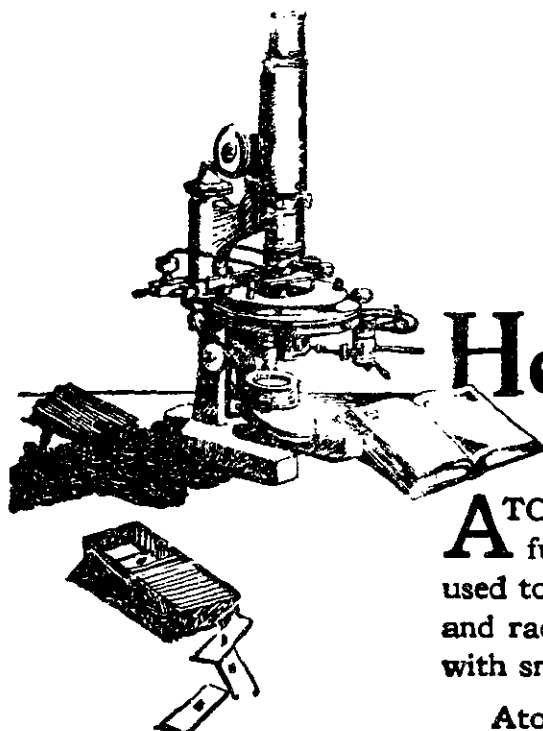
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How Large is an Atom?

ATOMS are so infinitesimal that to be seen under the most powerful microscope one hundred million must be grouped. The atom used to be the smallest indivisible unit of matter. When the X-Rays and radium were discovered physicists found that they were dealing with smaller things than atoms—with particles they call "electrons."

Atoms are built up of electrons, just as the solar system is built up of sun and planets. Magnify the hydrogen atom, says Sir Oliver Lodge, to the size of a cathedral, and an electron, in comparison, will be no bigger than a bird-shot.

Not much substantial progress can be made in chemical and electrical industries unless the action of electrons is studied. For that reason the chemists and physicists in the Research Laboratories of the General Electric Company are as much concerned with the very constitution of matter as they are with the development of new inventions. They use the X-Ray tube as if it were a machine-gun; for by its means electrons are shot at targets in new ways so as to reveal more about the structure of matter.

As the result of such experiments, the X-Ray tube has been greatly improved and the vacuum tube, now so indispensable in radio communication, has been developed into a kind of trigger device for guiding electrons by radio waves.

Years may thus be spent in what seems to be merely a purely "theoretical" investigation. Yet nothing is so practical as a good theory. The whole structure of modern mechanical engineering is reared on Newton's laws of gravitation and motion—theories stated in the form of immutable propositions.

In the past the theories that resulted from purely scientific research usually came from the university laboratories, whereupon the industries applied them. The Research Laboratories of the General Electric Company conceive it as part of their task to explore the unknown in the same spirit, even though there may be no immediate commercial goal in view. Sooner or later the world profits by such research in pure science. Wireless communication, for example, was accomplished largely as the result of Herz's brilliant series of purely scientific experiments demonstrating the existence of wireless waves.

General Electric Company
General Office Schenectady, N. Y.