

# PRESIDENT STRATTON WILL MEET STUDENTS TODAY AT 3 O'CLOCK

## JANUARY T. E. N. IS ON SALE AT STANDS TODAY

### A. F. Bemis '93 Writes Feature Article on Mercantile Con- ditions in India

The Tech Engineering News brings out its January issue today with its feature article, a writing on "India as seen by an American Manufacturer." The author is A. F. Bemis '93, who has prepared it from an article published in the Textile World. It deals with the situation in India from a mercantile standpoint but has some geographical value also. It deals with the differences between the East and the West in business and social aspects.

Another story of interest is an article on "Metered Mail" by F. E. Poor, which deals with the newest device which is being used to lighten the work of the Postoffice employees and to speed up the mails of business houses.

The fourth of the Technology Series comes out in this issue. It is on "The Power System," by Major A. S. Smith. Another article of interest is one by Professor C. F. Allen '72, retired, giving the biography of George Filmore Swain. The second part of an article on lubrication published in October is also included in this issue.

## T. C. A. WILL ASSIST ALL JUNIOR FRESHMEN

### Books at Two-Thirds Price Will Be on Sale at Office in Walker

With the opening of the second term today, 47 new men will enter the Institute, 32 of them being freshmen, and 15 transfers. They may procure handbooks, or the Technology Bible, by calling at the T. C. A. office, room 7, basement of Walker. There are many books for sale at the T. C. A. book exchange for two-thirds of their original value. Upperclassmen having books they do not want are requested to send them into the T. C. A. to be put on sale.

Junior freshmen desiring employment should register with R. L. Holt '24, director of the employment bureau. He may be seen from 12 to 1 o'clock daily. This bureau was very active during the Christmas recess, securing employment for 37 men. The men needing rooms will be given a big choice by the T. C. A. as they have accommodations for over a thousand men listed.

Next Friday night at 6 o'clock in the Faculty dining room there will be a dinner for all men interested in rendering social service by leading boys' clubs, and teaching English to foreigners. Sixty-two men who signed up to do this work after a lecture in Political Economy 31 by F. H. Riddle, Jr., will receive invitations to attend.

## ANNUAL ELECTION OF A. A. A. S. OFFICERS

### Dr. C. D. Walcott of Smithsonian Institute Is Elected President

At a meeting of the council of the A. A. A. S. last Friday morning the following officers were elected for the year 1923: President, Dr. C. D. Walcott, secretary of the Smithsonian Institute of Washington; Vice Presidents: (each to represent a section of the Association) Chemical section, Professor E. W. Washburn, of the University of Illinois and vice chairman of the National Research Council; Botanical section, Professor C. J. Chamberlain, of the University of

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PRESIDENT S. W. STRATTON

## FISHERIES ENGINEERING OFFERS UNIQUE COURSE

### Vacancies in Enrollment Give Opportunity to Study Big Industry

Technology offers a unique course in the subject of Fisheries Engineering, which is given as an option in Course VII, Biology and Public Health, and which as yet has not been taken advantage of to the extent that it might be by those who are interested in this subject, or by those who are not inclined in the direction of the conventional engineering studies.

The course, although it is not entirely a new subject, was inaugurated only about a year ago, and at present is being taken by six students. Accommodations, however, permit the enrollment in the course to be about 25, and the department is certain that more advantage can be taken of the subject than is at present being done.

**Variety of Subjects in Course**  
The course starts with an elementary study of biology and gradually extends its work into the field of the propagation and life of the different forms of sea and fresh water organisms, treating the subject as a whole from a scientific standpoint, and in a way which uses the principles of engineering as its foundation.

The course includes a thorough study of oceanography, that is the study of the physical aspects of the ocean, the study of ichthyology, fish culture, and various other aspects of Fisheries Engineering such as are useful in the application of the course for practical purposes.

Professor Samuel C. Prescott, of the Department of Biology and Public Health, is anxious that further use be made of the course by Technology students, and will give any information regarding it which may be of help to anyone contemplating taking the course.

## SHOULD HUMANIZE NEW DISCOVERIES

### Prominent Historian Gives Address on How to Educate People

#### MANY EFFORTS WASTED

Dr. James H. Robinson gave an address on last Thursday afternoon before the American Association for the Advancement of Science on "Humanizing Knowledge." He said in part as follows:

We have come together to discuss a very interesting matter, and I suppose that the reason that we happen to be here just now might properly be reviewed. The sudden, grotesque opposition to modern scientific discoveries which are included under the term evolution has been so impressed upon us that scientific men and others suddenly realized that scientific discovery had gone on without really impressing effectively any great number of people in our country. There had been a sort of smug conviction that the ideas that seem of us entertained were generally entertained, and we were awakened from our present assurances by perceiving that they were not only not entertained, but had apparently made no impression, whatsoever. As a result of that, the program committee of this Association, for reasons better known to themselves than to me, asked me to read a paper at the meeting of the Western Section at Salt Lake City, which I did, and I chose for my title: "The Humanizing of Knowledge." This interested the various men in the field of natural science—at least, brought up this great problem of putting science over; and this meeting

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## CONVOCATION IN WALKER TO BE INITIAL MEETING

### President Arrives This Morning from Washington

This afternoon at 3 o'clock in Walker Memorial, President S. W. Stratton will have his initial meeting with the student body. Although there will be no formal inauguration at this time, President Stratton assumed his office as chief executive of the Institute yesterday and will begin active work today. Due to his many New Year social engagements President Stratton and his secretary Mr. M. A. Paris were not able to arrive in Boston until this morning on the Federal Express.

Dr. Elihu Thomson, who has been Acting President during the interim preceding the recent election, as chairman of the Convocation will introduce President Stratton. A representative of the Institute Committee will also give a short welcome to the President.

## RADIO STATION MAKES CHANGES IN VACATION

### Will Continue Last Year's Low Wave Transmission and Reception

During the coming Christmas holidays several important experiments have been undertaken at the station of the M. I. T. Radio Society. Several things have come up during the past term that would have received more experimentation if time had been available.

It is planned to erect a Beverage antenna at the station. The Beverage antenna is a special type designed for long distance receiving. It consists ordinarily of one or more wires several hundred feet long supported a short distance above the ground, and running parallel to it. This type of aerial, which is also known as a "wave antenna" is uni-directional. That is, it must point approximately in the direction of the station from which it is to receive messages in order that the signals will be received with maximum audibility.

**Hope to Hear Hawaii and England**  
The places which the radio society is most interested in receiving from, are Hawaii and England. Consequently, the aerial will be erected in an approximately east and west direction, as near as conditions permit. It is planned to run the aerial from Building 35, where the radio station is located, over the intervening buildings to the large building which was formerly used as an airplane hangar. The antenna will be about 700 feet long.

Radio amateurs who are interested in finding out more about the Beverage antenna are referred to the November, 1922, issue of "QST" which contains a complete article on the theory and operation of the wave antenna, written by its designer, Mr. H. H. Beverage.

**Experiment with Short Wave Length**  
During the vacation a special aerial for extreme short wave transmission and reception has been in the process of erection. Last year some very practical short wave tests were conducted at 1XM. The lowest wave used for transmitting was 104 meters.

When transmitting on a wave length of 110 meters, signals from 1XM were heard in Pittsburg by a Western Electric Company experimental station. The signals had an audibility of 400, in spite of the fact that only one tube was being used for receiving at the Pittsburg station.

This year an attempt will be made to transmit and receive over long distances on a wavelength as short as 50 meters. Operation on such a short wave causes many difficulties which are not encountered on the usual amateur wavelength of 200 meters, and considerable experimental work will be required.

Following his election as chief executive of Technology, Dr. Stratton was given a reception at the home of Everett Morss '35, where he met the members of the Corporation and the Faculty. His second meeting was with the Alumni on December 15 and 16 in New York City at a big reception given him by the Technology Clubs Associated and the Technology Club of New York.

Today the third and final meeting comes with his meeting the students at the Convocation. No announcement as to what President Stratton will say can be obtained, but from his previous statements he will probably speak well of the Institute activities and of his interest in them.

### Work of Administrative Committee Finished

Since January 1920, the administrative committee have assumed the duties of the president of the Institute and its work ended yesterday when President Stratton assumed office. The original committee had as its chairman, Dr. W. H. Walker with Dean H. P. Talbot '85, and Professor E. F. Miller '86, as the other two members of the committee. In a few months however, Dr. Walker withdrew from the committee and Dean Talbot became chairman, the third place on the committee being filled by Professor E. B. Wilson. During the latter part of the committee's administration Professor Wilson left the Institute to assume a new position at Harvard College. His place on the committee was filled by Professor C. L. Norton '93.

## TECHNIQUE 1924 SENDS JUNIOR CLASS BALLOTS

### Call for Snapshots to Be Used in Year Book Issued by Technique Office

The ballots for the annual Technique Questionnaire have been mailed today to all members of the Junior Class. It is the endeavor of this year's Technique Board to stimulate interest in the Who's Who section of the year book by placing snapshots of those fortunate enough to be chosen by their classmates on the pages opposite their names.

Technique 1924 therefore requests that all Juniors turn in any snapshots they may possess at the Technique office, third floor, Walker Memorial, in order that this plan may be carried out.

Some doubt may arise concerning the use of the word "questionnaire" in place of the more usual form "questionnaire."

## CALENDAR

Tuesday, January 2

3:00—Convocation, main hall, Walker.

Friday, January 5

6:00—T. C. A. Social Service Dinner, Faculty dining room.