

## PERSONNEL FOR MUSICAL CLUBS TRIP IS PICKED

Executive Committee Formally  
Ends Competition by  
Making Cuts

J. A. HOXIE '25 RESIGNS  
POSITION OF TREASURER

Final Concert Before Winter  
Trip Given in Security  
Hall, Reading

A list of the men who will travel with the Combined Musical Clubs on their winter trip starting December 26 was compiled at a recent meeting of the executive committee of the clubs. At the same meeting John A. Hoxie '25 tendered his resignation as treasurer of the clubs and in order to fill the vacancy thus left, the musical clubs will run a two weeks' competition for that office which will be open to all members of the Junior class.

It was a question of activities interfering with studies that forced Hoxie to retire from active service with the clubs. He transferred to Technology from Amherst as a sophomore, has been two years with the clubs, and was elected treasurer at the beginning of the term.

As a result of the recent competition to select the men going on the trip, the following is the list of those chosen: Glee Club: T. M. Burkholder '24, leader; P. C. Davidson '24, G. T. Packard '27, G. C. Bradshaw '24, F. L. Geary '27, P. F. Marrs '24, F. W. Schreiner '26, L. M. Littlefield '24, O. R. Etheridge

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## MEXICO AND ITS OILS THIRD COMBINED MOVIE

"Mexico and Its Oils" was the title of the third professional motion picture given Monday under the auspices of the Combined Professional Societies.

The picture gives the early and crude attempts of drilling for the petroleum and contrasts them with the present day methods which are much better than the former but leave a lot to be desired as there is still much of the precious oil lost. The process starts with the drilling and goes through to the end of the production of the crude petroleum. Most of the pictures were taken from the fields of the Sinclair Oil Corporation under whose direction the picture was taken.

An interesting sidelight was given on living in Mexico by the casting and landing of an 85 pound tarpon which illustrated the fact that all Mexican life is not warfare.

## STUDENTS FROM LOCAL COLLEGES AT SOCIAL

Affair for Foreign Students Held  
at Y.M.C.A.

Foreign students from six colleges—Harvard, Boston University, North-eastern, Radcliffe, Wellesley, and the Institute—combined for an informal social and get-together at the Cambridge Y. M. C. A. last Saturday evening. The affair was sponsored by the Cambridge "Y," which was assisted by a committee from Harvard and Technology.

The reception was followed by a program which included a talk by J. Weston Allen, former Attorney-General of Massachusetts, and musical selections by students from the two Cambridge colleges, Harvard and the Institute. Former Attorney-General Allen spoke on the "Advantages of an International Education," emphasizing the broadening viewpoint a college education in a foreign country gives.

Professors from Harvard and Technology and their wives were present as well as the foreign students. Professor and Mrs. L. M. Passano, Professor and Mrs. R. S. Williams, Professor and Mrs. J. R. Jack, and Mrs. R. P. Bigelow were among those who represented the Institute. A. R. Grunberg '24 and C. C. Mota were on the reception committee for the Institute. Harvard's representatives on this committee included M. A. Cheek Jr., halfback on the Varsity football squad.

## LAST ONE OF LECTURES BY UNDERWOOD TO-DAY

The last of the series of five lectures to the classes in Biology by Mr. W. Lyman Underwood, Lecturer in the Department of Biology and Public Health will be given today in room 10-411 at eleven o'clock.

The series of lectures which were illustrated by colored stereopticon slides, described the habits and characteristics of many different forms of life, including animal, bird, fish and plant life. All those interested are cordially invited to the lecture today whether members of Course VII or not.

## COURSE VI-A WILL TAKE 56 NEW MEN

Make Selections Next Term for  
Work at Plants in  
Third Term

By arrangements completed yesterday with the corporations interested in the co-operative electrical courses, the Electrical Engineering Department has fixed the number of men to be admitted to these courses this year at 56. These men will be selected from the Course VI members of the Sophomore class around February 1, and will take up their work at the plants the third term. The men will be distributed over the four options as follows:

Manufacturing Option: General Electric, 40; Public Utilities Option: Stone & Webster, 10; Boston Edison, 4; Boston Elevated, 2.

The work of the department in making the selection will be greatly simplified if everyone planning to take the Co-operative Course will register in Course VI-A this term. The number of applications received yearly is always greatly in excess of the number of places, but Professor W. H. Timbie, who is in direct charge of the VI-A organization, states that no man was ever turned down on account of lack of space. "Any good student who shows evidences of initiative is almost sure of getting a place." A good student, he explained, does not necessarily mean a man who gets only H's and C's. Just so the report does not show up a string of F's and P's a man isn't in great danger of being debarred on account of scholarship.

## FRESHMAN GRAY BOOK AGAIN DISAPPOINTS MEN

Appearance Delayed Until the  
First of Next Term

The freshman Gray Book which was planned to appear shortly after Field Day will be distributed at the beginning of next term. Unfortunate delays in getting the book to press caused the series of postponements which made even the most optimistic of the freshmen pessimistic of ever seeing the promised syllabus. Originally planned as an aid in promoting freshmen to know their classmates, it will appear as a sort of obituary of the men who soon will leave the Institute to return some time next fall.

Difficulty was met with in getting the freshmen to have their pictures taken soon enough to make it possible for the men on the Technique Board and Staff to gather the material for the book. The work on the book was done by sophomores who at the same time were running for the Technique 1925 Staff. The double work which these men had to do reduced the time which they could spend on getting out the book, thus delaying its publication.

The book will include 64 pages of which two will be on Field Day and seven will be devoted to advertising. The remaining pages will be filled with pictures of freshmen with a short review of the activities of the different men while at their preparatory schools. About 170 of the 350 sign-ups have been redeemed so far. In order to redeem the remaining sign-ups it will be necessary for the men to call at the Technique office on the third floor of Walker and deposit one dollar.

### THE TECH

Will be published on December 19, 26, and January 2, and regularly thereafter.

## HOPES STUDENTS WILL PROFIT BY MISTAKES HE MADE

W. E. Nickerson '76, Gillette  
Director, Gives Fourth  
Aldred Lecture

GRADUATED AS CHEMIST  
—BECAME AN INVENTOR

Speaking of his own personal experiences in life, rather than of technical matters, as former Aldred lecturers have, W. E. Nickerson '76, Director of the Gillette Safety Razor Company, delivered the fourth lecture of the series Tuesday afternoon in room 10-250. He said that he was speaking from the point of view of a man who had had much experience and had made many mistakes, to those about to face the problems incident to an active career in a scientific profession.

He alluded to his graduation from Technology as a chemist in 1876, and of his natural bent leading him away from the chemical field to that of mechanical inventions and manufacturing. He told briefly of the various enterprises which he had organized and promoted, and referred to some of his more important inventions. He called the attention of his hearers to a number of mistakes he had made, and of the penalties he had paid for them. He related, in some detail, the birth of the Gillette Safety Razor and of the Company which bears its name. He also explained the part he has played in refining and developing Gillette's invention.

### "Get a Hobby"

Mr. Nickerson urged upon his hearers the great importance of mastering studies that are distasteful, for they not only supply knowledge which otherwise would be lacking, but develop the power of mental concentration, so necessary for important work in life. He spoke of the desirability of having a wisely chosen "hobby," wholly distinct from one's profession, and cultivation of a knowledge of the fine arts, as a foil for practical every-day affairs.

He was especially emphatic in advising the young men never to make important decisions when angry or resentful, and showed how he had lost heavily by not learning this lesson earlier. He urged them never to lose courage as long as they had the health and strength to push on, for by perseverance he himself had finally attained a comfortable success.

## INSTITUTE INDUSTRIAL DIVISION RECOMMENDED

In his annual recommendation to the General Court, E. C. Hultman, State fuel administrator, calls attention to the recommendation now before the Legislature, "that a sum of \$10,000 be appropriated for employing the Division of Industrial Co-operation and Research of the Institute," to study and report upon the use of bituminous fuel in the household.

## Institute Men Take Part in A.S.M.E. Session in N. Y.

The 44th annual meeting of the American Society of Mechanical Engineers, a five day session held in the Engineering Societies Building in New York City last week, proved to be an event in which the Institute was well represented. Among the men from Technology who contributed to this affair were Professor Paul Heymans of the Physics Department, Professor F. G. Keyes of the Chemistry Department, Professor D. C. Jackson, head of the Electrical Engineering Department, and T. H. Frost, a research assistant. J. R. Freeman, '76, a member of the Corporation, was presented an A. S. M. E. medal for distinguished services.

Professor Heymans, in conjunction with A. L. Kimball, Jr., of the General Electric Company's research laboratory at Schenectady, presented a paper on "Stress Distribution in Rotating Gear Pinions as Determined by the Photoelastic Method." The work described in this talk was performed in the Institute laboratory with equipment, part of which was loaned by the General Electric Company.

To measure the stress at a given point by means of the photoelastic method, it was necessary to obtain a

## CADETS OF GRADUATING CLASS TO BE HONORED

War Department Distinction to  
Three Per Cent of Class

Seniors in the advanced R. O. T. C. now have an important incentive to do good work in military science. The Department of Military Science has just received authority from the War Department, whereby three per cent of cadets in the graduating class will each year be designated as honor graduates.

Aside from dignity of the designation, there is a very practical motive in attempting to attain this honor. This is the prospect of being able to accept a commission in the army without undergoing the examination ordinarily required. This examination is comprehensive in nature, and is based on general training and information besides that which is purely military. Aside from this, the complete list of honor graduates throughout the United States and possessions will be published in a bulletin issued by the War Department.

## MAY USE BOOKS IN EXAMINATION

Privilege Granted to Students  
in Both Options of  
E.H.21 Course

Another innovation has been started in the English Department this year—that of allowing the students in the E. H. 21 courses to use their textbooks during the examination. At the beginning of the term the students were allowed to choose between the regular course in Political Thought or a new course in Literature.

Starting with the first classes of this week it was announced that the students in the Literature option would be allowed to use their textbook and that those in the regular Political Thought course would be allowed to use Roberts' and Copthorne's Book of Political Thought but not the auxiliary textbook, The Modern Symposium. This is practically the first time in the history of the Institute that English students have been allowed to use their textbooks in a final examination though it has been customary in several third and fourth year subjects.

One of the instructors said: "I think it a valuable innovation and that personally I would prefer to take such an exam myself. The success of the new plan depends on the students. If they abide by the spirit of the rules and do not try to get away with too much cribbing the experiment may be tried again." Another instructor in the other option of the course said that he thought "the use of the textbook would not be of much aid to the students unless they were well acquainted with its content as the exam would necessarily be of a different nature."

## ALUMNI COUNCIL CANCELS HOCKEY NORTHERN TRIP

Team Standing Not Good Enough  
To Warrant Trip Says  
Council

MORE MACHINES TO BE  
OBTAINED FOR ROWERS

Crew Will Have New Equipment  
for Training During  
Second Term

That there will be no Canadian trip for the hockey team this Christmas was the information gleaned after a meeting of the Advisory Council on Athletics held the other night. One of the biggest difficulties seems to be that to date there is no sign of cold weather in the maritime provinces. The rinks there are all outdoors and unless there is freezing there is no ice.

With but few opportunities for more practice before the trip the team would have been hard pressed to put up the class of hockey that would be expected of them. To date they have had but three or four workouts on the ice. While they have made the best of their opportunities they would need much more to be in condition to make the trip.

### More Equipment for Crew

The question of more equipment for the crew was also gone over at the meeting. It was decided to purchase two eight position rowing machines. The need of a new and more reliable launch than the "Wolf" was discussed and it is probable that another boat will be secured in time to accompany the eights on their first trip on the Charles next spring.

The staff of crew coaches will go up to the boat house the first of the year to look over the equipment. All equipment on hand will be put in the best possible condition, in addition to the purchase of the rowing machines.

### Dr. Rowe's Statement

Dr. Rowe's statement regarding the ruling is as follows: "Mr. Reed who was to manage the Canadian trip has been unable to secure any games due to the total lack of ice and the fact that the flowers are still blooming in Nova Scotia. With these conditions in mind and also in view of the fact that our team has had so little practice due to unforeseen circumstances it is the sense of the Advisory Council that the Canadian trip be omitted from this season's schedule.

"I have full confidence in the team

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## DR. SHIMER TO SPEAK ON AGE OF THE EARTH

First Popular Science Lecture  
Given by Society of Arts

The first of the Popular Science Lectures to be given this season under the auspices of the Society of Arts will be held Sunday afternoon at 4 o'clock in room 10-250. Professor H. W. Shimer of the Department of Geology will lecture on "The Age of the Earth as Revealed by Geology and Radio Activity."

The lectures will be illustrated by experiments, specimens, and lantern slides. The various methods by which the age of the earth is determined will be described and estimations by the different methods given which vary from twelve million years to four billion years. The most accurate method known which is by radio activity with a discussion of the properties of uranium and thorium will also be given. Evolution and the tremendous changes which occur in the course of a few million years, giving the example of the horse, will be discussed.

## CALENDAR

- Sunday, December 16  
4:00—Popular Science Lecture, room 10-250.
- Thursday, January 10  
7:00—Masonic Club Smoker, north hall, Walker.
- Friday, January 11  
8:15—Dorm Dance, Walker.
- Saturday, January 12  
5:30—American Chemical Society meeting, north hall, Walker.
- Friday, January 18  
8:00—Faculty Club Reception, Walker.