

## INDUSTRIAL SERVICE TALK GIVEN BY RINDGE

Human-Efficiency Engineer  
Here for Second Time  
Through T. C. A.

### ADDRESSES CLASSES TODAY

Addresses in many of the classes at the Institute today by Mr. F. H. Rindge, Jr., have been arranged by the Industrial Service Department of the Technology Christian Association. "Social and Americanization Work," and "Human Engineering," are the subjects on which these talks will be based, and a follow up of the subjects in an endeavor to enlist college men in Industrial Service will be conducted by the T. C. A.

This is the second visit in recent Technology, for last year he spent two days here, speaking in many of the classes and in several of the fraternity houses. As a secretary of the Industrial Department of the Y. M. C. A. National Committee, he has been travelling throughout the United States since 1910 in the interests of the Industrial Service Movement that the National Committee is fostering, and has enlisted several thousand college men in this service during that time.

#### Recently Returned from Europe

Mr. Rindge will give a 15 minute talk to Professor W. J. Drisko's Sophomore Physics section at 9 o'clock and another to Professor H. M. Smith's freshman chemistry section at 10 o'clock, both in room 10-250. From 1 to 2 o'clock and from 3 to 4 o'clock he will address Professor D. R. Dewey's Economics sections in room 5-330, and in Professor W. S. Franklin's Sophomore Physics section at 4 o'clock in room 4-170 he will give a short talk.

Recently returned from intensive studies of industrial, social and emigration conditions in 23 countries of Europe, Mr. Rindge is expected to have many interesting things to bring out with regard to the workers of these countries. While there he was also engaged in promoting the work of the Association.

#### Columbia Graduate, Class of 1908

In charge of the talks and the Industrial Service work at Technology is R. E. Swift 24, Director of the Industrial Service Department of the Technology Christian Association. This department has been active in supplying college men to teach English to foreigners in and around Boston and for other industrial service.

Graduating from Columbia University in 1908, Mr. Rindge showed his interest in his present work by his thesis on "The Y. M. C. A. and Industrial Betterment." At the close of his course in college he was awarded the "Alumni Prize," voted by the Faculty the most deserving man in the class.

Men not in any of these classes who may wish to hear one of these talks may attend the ones in room 5-330 this afternoon if they use the rear seats. All other seats are assigned to members of the class.

## TWO PLANTS VISITED BY CHEMICALS DURING WEEK

### Last Two Trips Close Term's Activities

Last Wednesday afternoon the Chemical Society visited Lever Brothers' soap manufacturing plant on Broadway, Cambridge, and saw the entire process of soap production on a large scale. Lever Brothers manufacture several well known soaps and soap powders including Lifebuoy, Lux, Rinsol, and Twinkle. The members were particularly interested to see the liquid soap passed through rollers and finally come out in thin sheets which were cut up to produce the common soap powder.

Last Friday the society took a trip to the refining plant of the Beacon Oil Company at Everett and saw how the crude oil is distilled into the purer commercial oils. The crude oil is shipped up to the plant from Mexico and stored in an enormous underground storage tank until it is distilled. Both trips were well attended activities for the term.

## PROFESSOR A. S. KINSEY GIVES LECTURE FRIDAY

Talk on Oxygen Accompanied by  
Moving Pictures

A lecture on the subject "Oxygen—the Wonder Worker," will be given at a joint meeting of the Mechanical Engineering Society and the Boston section of the American Welding Society, to be held in room 5-330, Friday evening, at 8 o'clock.

The lecture, accompanied by moving pictures will be given by Alfred S. Kinsey, Professor of Shop Practice at Stevens Institute of Technology, and Advisory Service Engineer for the Air Reduction Company. Professor Kinsey is an authority on oxy-acetylene work. His latest achievement is cutting 16 inch cast iron with the oxy-acetylene torch.

This lecture is open to every one, and the Mechanical Engineering Society extends a cordial invitation to its members, and any others interested, to attend.

## ELECTRICALS POSTPONE TRIP TO POWER PLANT

The Electrical Engineering Society trip which was planned for tomorrow has been postponed due to unforeseen circumstances. The Club intended to visit the Lincoln Power Station of the Boston Elevated Railway Company, but has found it necessary to call the trip off for the present and have it sometime in January instead.

## SIGNALS OF TECHNOLOGY STATION SPAN ATLANTIC

Heard in Manchester, England,  
Several Times During  
November

Word has just been received by the N. I. T. Radio Society that signals from its station 1XM have been heard in England. Station 2KW, in Manchester, England, reports hearing the Technology station on November 23, and again November 26. The letter also stated that 1XM had been heard there several times before.

This transmission was not the result of a pre-arranged test with the English station. When heard November 23, the transmitter was using only one fifty watt tube, which is one tube less than was in use when 1XM was heard in Hawaii recently. On the second night, November 26, a 250 watt tube was in use, but was being operated much under its rated capacity.

A new arrangement of the station's counterpoise system was in use both times the signals were heard in England, and it is believed by those in charge of the station, that this is partly responsible for such long distance transmission on a small amount of power. These results indicate that 1XM will make a good showing in the trans-Atlantic tests, which are scheduled to begin tomorrow.

## DINNER MEETING NEXT WEDNESDAY FOR MASONS

Professor Perrin Speaks on  
Masonry in China

Professor M. L. Perrin, head of the Department of Languages at Boston University, will be the speaker at a dinner meeting of the Masonic Club to be held next Wednesday evening in the north hall of Walker Memorial at 6:30 o'clock. In addition to Professor Perrin's talk, F. D. Gage '23, will furnish musical entertainment in his usual enjoyable manner. All master masons will be welcome at the meeting.

The subject of Professor Perrin's address will be "Masonry in China." He is an able speaker and is further qualified to talk on this topic by virtue of his having lived in China for several years. While in China he occupied the chair of modern languages at the University of Peking and also held a diplomatic post for a number of years.

The meeting Wednesday will be the last this term. Plans for next term have been tentatively made, but they will not be made public until later.

## REGISTRATION SCHEDULE

Friday, December 29—All registration material returned before 5 o'clock.

Saturday, December 30—All fees paid before 1 o'clock.

Tuesday, January 2—Approved registration cards and roll cards given out until 5 o'clock.

Wednesday, January 3—Exercises begin.

## PLANS COMPLETED FOR REGISTRATION

Upperclassmen Form Lines in  
Main Lobby According  
to Courses

### MATERIAL READY TODAY

Registration material for the second term, is ready for distribution today, and will be given out in the main lobby for members of the three upper classes and graduates. Students in the first year taking Chemistry Laboratory will receive their registration material in their laboratory section this week, and those freshmen not taking Chemistry Laboratory should call for theirs at room 4-258.

Tables have been arranged in the main lobby in front of the doors, and sections have been assigned by courses, so that each man will have a definite place to apply for his material. It is expected that this will relieve the congestion, since it will be possible to know exactly where to go, without the inevitable results of the single line method, whereby men from all courses obtain their material in the same place. The registration material includes instructions sheet, tabular views, Bursar's card, and subject registration cards.

#### Need Approved Cards to Get Booklets

All registration blanks, which includes the Bursar's card and the three subject registration cards, must be filled out and returned to the Record's Office, room 3-106, not later than 5 o'clock on Friday, December 29. It is desired, however, that the students return them as soon as possible, instead of waiting until the last moment. All fees (tuition, laboratory deposits, and, undergraduate dues) must be paid not later than 1 o'clock December 30, at the Cashier's Office, room 10-180.

The term begins on Tuesday, January 2, when the approved registration (Continued on Page 6)

## J. P. MONROE '82 GIVES LECTURE ON DEMOCRACY

Tells of Future United States  
o Europe in Talk  
Last Week

At the regular Friday and Saturday Sophomore English course lectures last week, J. P. Monroe '82, gave a talk on "Democratic Theory and Internationalism," in which he set forth the conditions necessary for world welfare. He is Secretary of the Corporation, and was formerly Vice-Chairman of the Federal Board for Vocational Education.

Eventually, he believes, there will be formed a United States of Europe which will be similar in nature to the United States of America, for a government, in order to endure, must be composed of small sections to which its citizens can be loyal, and yet be bound together by a common tie which makes war between them impossible.

Democracy is a co-operative sense of mind, and for this reason tends to make the most progress in large industrial centers where both capital and labor have discovered that it is impossible to get along without the other's help. The great progress made in our democracies is not due to politics but rather to the enlightenment of industry to the possibilities of a well organized, democratic form of government.

## ENTHUSIASTIC AUDIENCE HEARS T. C. A. MUSICALE

About 250 Present for Piano-  
Violin Recital

An audience of about 250 of the Faculty and undergraduates of the Institute and their friends were entertained Saturday afternoon in room 10-250 at the recital given by Mr. Charles E. Griffith and Mrs. Wallace M. Ross, under the auspices of the Social Department of the Technology Christian Association. The program was longer than was originally planned, the applause of those present calling for several encores.

Near the middle of the program, Mrs. Ross gave as the first encore "The Cuckoo" by Danquin, and as the last selection, Mr. Griffith played the folk song "Paradise," by Kreister. The recital lasted till 3:30 o'clock, when the congratulations of a pleased audience were pressed upon Mrs. Ross and Mr. Griffith.

This was the second recital of its kind that has been arranged by the Social Department of the T. C. A., the first being held in March, 1921. The audience Saturday was made up for the greater part by members of the Faculty and friends of the Institute, there being but about 75 students there, and those in charge of the entertainment feel that this was due, in a large measure, to the time selected. However, no other time considered seemed to suit as many as did 2 o'clock.

## MUSICAL CLUBS AIDED BY POPULAR SOLOIST

Miss Marjorie Moody Secured  
for First Concert in  
Symphony Hall

Assisted by Miss Marjorie Moody, a well known soprano, the Combined Musical Clubs will give, on February 9, their first concert ever held in Symphony Hall. Tickets will be at popular prices and applications for them will be mailed to all undergraduates and alumni.

Miss Moody was the soloist who sang with Souza's Band last summer, and is said to be one of the most popular soloists of the present day. It is only through her interest in Technology, states the management, that the Musical Clubs were fortunate enough to secure her for this important concert.

This concert will be the first one of such size that has ever been attempted by the clubs and a very large ticket sale is expected. Tickets will be obtained by application and will be at popular prices.

The Winter Trip schedule is almost complete and consists of concerts in Atlantic City, Philadelphia, Schenectady, Utica, and in all probability in Pittsfield and Springfield. The men taking the trip will leave the day after Christmas and will be back in Cambridge on January 1 or 2.

## FIFTH LOWELL INSTITUTE LECTURE THIS AFTERNOON

"The Revolt Against Darwinism"  
is Today's Subject

The fifth lecture of the series by Professor Edwin Grant Conklin of Princeton University will be given today at 8 o'clock in Huntington Hall, 491 Boylston Street. It is on the general subject "The Revolt Against Darwinism," and takes up the special phase of "The Cellular Basis of Development and Evolution." These lectures are given to promote the theories opposing Darwinism and bring up some striking points against the old theory.

There will also be another lecture under the auspices of the Lowell Institute by Dr. A. Hamilton Rice, A.M., M.D., vice president of the American Geographical Society. He will present the fourth lecture of his series on "Journeys and Explorations in Tropical South America, the specific title being "Further Explorations of the N. W. Amazon Valley." It will be given tomorrow at 5 o'clock in Huntington Hall.

Both of these addresses and the remainder of the series are free to the public and tickets may be secured by sending to the Curator of the Lowell Institute a stamped, self addressed envelope for each ticket desired.

## JUNIORS ELECT PROM COMMITTEE TUESDAY

Voting Booth Will Be Located  
in Room 2-075—Open  
from 9 to 4 O'clock

### FIVE MEN TO BE CHOSEN

Election of the Junior Prom Committee will be held tomorrow in the old freshman lounge, room 2-075, from 9 to 4 o'clock. Five men are to be elected to the committee from the 15 who were nominated, so that each man has the privilege of voting for five different nominees. Voting will be by the Australian ballot system, and no electioneering will be allowed at the polls.

Nominations closed last Saturday at 1 o'clock, with the result that the following men are running for the committee: M. F. Amezcaga, G. F. Ashworth, A. D. Carothers, R. J. Chapin, H. R. Clark, C. L. Dunn, R. C. Eaton, J. D. Fitch, C. A. Frank, Rockwell Hereford, Ernest Hosbach, R. T. Lassiter, W. H. Robinson, Jr., H. M. Tracy, and B. B. Zavoico.

#### Ballot Signed by Voters

All men who are rated as members of the Class of 1924 on the registrar's list of students are eligible to vote. Regulations governing the election are, in part, as stated in the handbook, page 57, article IV, section 7: the ballot shall contain a complete list of nominees. It shall be perforated along a line one and one half inches from the bottom edge. The lower portion shall contain a space for the voter's signature and shall have a number corresponding to that on the upper portion. Each ballot shall be numbered consecutively. The ballot should be signed by the voter while he is at the booth, and detached and handed to the officer in charge at the time the ballot is deposited in the box.

The Junior Prom Committee consists of the president of the Junior Class and five other members elected by popular vote by the class during the second week of December. The work of the committee is to plan and conduct the Junior Prom, which is held during Junior Week, sometime in April.

## PROFESSOR BUSH TALKS ON TRANSMISSION LINES

Lecture on Electrical Tests Given  
Friday

At the last meeting of Course 5.94, Recent Developments in Science, Professor V. Bush of the Department of Electrical Engineering, spoke on "Artificial Transmission Lines." The talk was given Friday afternoon in room 10-250, and was illustrated with lantern slides as well as artificial transmission line coils.

According to Professor Bush, it is practically impossible to carry on tests on real transmission lines due to the fact that they are in constant use, and for this reason it has been necessary to resort to an artificial means whereby such electrical tests can be carried on. Artificial lines are used in the study of power transmission, telephone systems, and transatlantic cables, and form a practical method of predetermining the characteristics of the real transmission lines.

## MEETING OF FRESHMAN CLASS LEADERS TODAY

The meeting of the freshman class officers and section leaders which was to have been held last Friday was postponed and will be held today in room 10-275 at 5:15 o'clock. Several important matters will be brought up at this time, for which reason the officers hope for a good attendance.

Section leaders have been mailed forms on which they are to have each member of their sections indicate whether they approve the idea of a Technology ring, and if they will buy one if the plan goes through.

## CALENDAR

Tuesday, December 12  
6:00—Vectors' Dinner, Faculty dining room  
8:00—Army Ordnance Smoker, room 5-330  
Wednesday, December 13  
6:00—Masonic Club, dinner, north hall, Walker  
Wednesday, December 13  
6:30—Masonic Club Dinner, north hall.  
Friday, December 15  
8:00—Joint meeting of the Mechanical Engineering and American Welding Societies, room 5-330.