

PROF. FERGUSON TALKS ON THE USE OF FORESTS

Third Lecturer of Liberal Arts Course Shows Results of Lumbering on Our Wooded Areas

Professor J. A. Ferguson, of the Department of Forestry of Penn State delivered an interesting and instructive illustrated lecture on "The Use We Have Made of Our Forests," in Old Chapel last Tuesday evening. This was the third of the annual winter series sponsored by the School of the Liberal Arts. "American Humor" will be the topic discussed next Tuesday, by Professor F. L. Pattee.

On account of the limited time, only the major parts of the subject were touched, but the ability of Professor Ferguson as a lecturer and the skillful manner in which his material was organized, enabled the audience to receive a comprehensive idea of the situation.

Old and New Methods

In the early days, forestry consisted mainly of lumbering, and the logs were got out in the winter by farmers who took only trees that were fitted for their purposes and who left young trees and small ones because economic conditions were such that the demand for lumber had nothing like the gigantic proportions that now characterize it. By means of this winter logging, forest fires were prevented, while the method of taking only most desirable trees left young growth for reforestation. This system was not injurious to our forests.

Upon the subsequent introduction of steam power in lumbering because of the growing demand for wood, the forests suffered greatly because of the methods of getting the logs. Not only did the hauling of logs through the forest by means of steel cables tear up and scar and kill the young growth, but the introduction of fire and summer lumbering caused many forest conflagrations, which are said to have consumed more lumber and destroyed more timberland than all our forest operations. The steadily increasing demand for wood has made it profitable to take a tree so small that it will furnish but a two-by-four. This method of lumbering has resulted in the exceedingly rapid depletion of the forest resources of the United States and has prevented the natural reforestation of areas that were cut over.

It has caused the United States Department of Forestry to take a hand and to enforce a sane and economical as well as profitable system of lumbering on all forest lands under its control. By this method provision is made for the gathering, piling and burning of the debris of the industry, in the winter, thus helping in the prevention of fire. By this method provision is made for the re-seeding of cut-over land usually by natural, but sometimes by artificial means. By this method, new forests will grow on the site of those removed. The main difference between a forester and a lumberman, said Professor Ferguson, is that the lumberman is concerned only with getting the wood at the least possible expense, whereas the forester is concerned with procuring the wood in the most economical manner while providing for the future of the industry and the nation.

These were but the main points in the lecture delivered by Professor Ferguson, who also described many interesting details of the industry of forestry and lumbering, showing many slides illustrating his points.

BOTANY DEPT. LAUNCHES CAMPAIGN AGAINST MOTH

A spring campaign against the Angoumois moth, which is a destroyer of grains, is being launched in southeastern Pennsylvania by the Penn State Department of Botany. A representative of the department is located in Harrisburg and is working with the millers and shippers of that section in an effort to interest them in the fight against this insect.

There are three methods of attack which are advocated by the department. From the results of investigations and research along this line, it has been found that the first essential to preserve the grain from destruction is to have clean granaries. This will prevent the moth from coming to life after a comparatively dormant winter season. The next step is to thresh early, and the final procedure is to fumigate the new grain thoroughly with carbon disulphide.

CHORUS PLANS TO HOLD DANCE OR SOCIAL EVENT

At the last rehearsal of the college chorus a committee was appointed to take charge of holding a social event of some kind. The committee is composed of the following: Miss Reva Dana '24, Miss Dorothy George '25, W. C. Hesser '24, and E. G. Hill '23.

The chorus has been doing good work throughout the year and Richard W. Grant, director of the college music, has given permission for the members of the chorus to hold a social event of some nature. If it is deemed inadvisable by the committee to hold an outdoor event, a dance or some other indoor function will be planned.

ORGANIZATIONS FORMED TO ENTERTAIN VISITING TEAMS
A new organization named the Red Key was recently organized at Cornell University, the purpose of which is to entertain visiting teams. The organization is modeled after a similar one at Dartmouth, called the Green Key.

TERPSICHORE SMILES ON ANNUAL "HE-SHE" DANCE

The He-She dance held annually by the girls of the college came off in fine style last Friday evening in the Armory. About one hundred and fifty girls were present, besides a number of faculty members and Miss Ray, the new dean, who was the guest of honor of the occasion. The program included a one-act play entitled "Thursday Night" which was presented by four members of the Penn State Players; music by the Girls' Varsity Quartet, Betty Croft, '25, and "Dinny" Cannon, '25; solo dancing by Florence King, '23; and whistling by Grace Haffley, '25. An elimination dance was one of the features of the evening and Dorothy Tobias '26 and Eleanor Collins, '25 won the prize which was awarded for it.

Strings of colored lanterns and a great variety of original posters made particularly effective decorations and the prevailing fashion of full evening dress gave the assembly quite a distinguished air. The Orchestra furnished the music for the evening. The dance was unanimously voted the most enjoyable affair of the year and everyone agreed that it must never lose its place in the co-ed's social calendar.

Penn Statesmen

James Henry Miller Andrews '98
From back in the days when Penn State College was still trying to live down the name of the "Farmer's High School", James H. M. Andrews will be remembered as one of the leaders in the establishment of dramatics at this college. It was largely through his efforts and leadership that the Thespian Club was organized. Since then dramatics have prospered under the guidance of the Thespian Club and at present it is the oldest and one of the strongest dramatic organizations on the Penn State Campus.

Mr. Andrews entered the college in September 1894 from the Harrisburg High School and at once began to take an active part in the undergraduate and social activities of the college. In his freshman year he was elected manager of his class football team and a member of the Class Banquet Committee. During his entire undergraduate career he was one of the most prominent men of his class, his activities including membership on the Junior Prom Committee, '98 La Via Board, the "Free Lance", '98 Cotillion Club, President of the Glee Club and of the Mandolin Club.

It is his work in connection with the organization of the Thespians, however, that is of the greatest interest. On October twenty-second, 1897, a number of students, interested in dramatics, met and formed the Thespian Club and elected Andrews as President. Under his guidance, the new organization established its policy of presenting the best classical comedies to the students of the college. On February second 1897 the Thespian Club produced its first play, "The Rivals" by Sheridan, under the direction of Professor F. L. Pattee and J. H. Leste, the faculty advisors. The production was a complete success and two nights later the same performance was given at Bellefonte.

Mr. Andrews is a member of the Sigma Alpha Epsilon fraternity. At present he is connected with the engineering department of the Philadelphia Rapid Transit Company and is a member of the Board of Trustees of the college.

FORMER GRADUATE LEAVES TEXTBOOKS FOR STUDENTS

W. W. Muffy '10, a graduate of the School of Engineering, who recently made a short visit east from his home in the State of Washington, left with the Mechanical Engineering Department about thirty text-books, with the request that they be lent to worthy students working their way through college.

SUPERVISOR OF FOREST TO ADDRESS SENIORS

I. T. Yarnell, a 1910 graduate of the Penn State Forestry Department will give a series of lectures, beginning February eighth and continuing for one week, to senior foresters, on National Forest Practice in the Forestry building.

Mr. Yarnell is Supervisor of the National Forests in the White Mountain forest ranges of New Hampshire, and at one time was supervisor of the Santa Fe National Forest of New Mexico. For several years he was located on the Pisgah National Forest with headquarters at Nashville, North Carolina.



DR. WILLIAM FREAR

DR. FREAR LAUDED BY LIME MANUFACTURERS

Study of His Achievements Published in Official Organ of Association

Announcement has recently been made of a coming campaign among the lime manufacturers of Pennsylvania for a hall to be erected to the memory of the late Dr. William Frear who was Chemist and Vice-Director of the Agricultural Experiment Station at Penn State until his death a little more than a year ago. There is reason to believe that the lime interests of Pennsylvania will take an active interest in the proposed donation, owing to the prominence of the Keystone State in the lime-making industry, and to the great work performed in this field by Dr. Frear in behalf of the farmers and manufacturers of the Commonwealth.

Lauded by Lime Association
The "Agricultural Lime News Bulletin" published by the National Lime Association of Washington, D. C., recently published a series of articles entitled "Limiting the Land," which set forth accounts of persons and stations that have been prominent in the development of this practice. Article number one told of Dr. Frear and his work.

"Dr. William Frear, Pennsylvania, and lime are three names intimately linked in the minds of all persons familiar with the agriculture of the eastern United States during the last twenty-five years," begins this account. The more interesting parts of the article follow.

"When Dr. Frear was born at Reading, Berks County, March twenty-four 1860 he came into an environment in the southeastern part of the state where the use of lime on the land had long been a common practice. As a boy raised on a farm and in the city, he must have early become acquainted with those practices by which lime was burned in improvised kilns in the field and spread on the soil in large quantities.

"Dr. Frear was educated in the sciences at Bucknell College, from which he graduated in 1881, and later pursued graduate work at Harvard and at Illinois Wesleyan, from which latter institution he received the degree of Doctor of Philosophy in 1883. After two years as Chemist in the United States Department of Agriculture, Dr. Frear became connected in 1885 with the agricultural college of Pennsylvania, first as Assistant Professor, and after one year, as Professor and head, of the Department of Agricultural Chemistry with which institution he continued to be affiliated until the time of his death, January twenty-seventh, 1922. In 1887, he was made chemist of the Experiment Station and Vice Director, which relations he continued to hold for many years.

Range of Interests

"In 1907 he gave up his duties as teacher to devote his time to experimental work in his field. His interests were not limited to subjects relating to the soil, for an even larger part of his time was devoted to the movement for insuring pure food and drugs. He was active in many agricultural enterprises in his state, as well as in the nation, involving his own particular field of applied chemistry. In 1889 he became chemist of the State Board of Agriculture and of the Dairy and Food Bureau. In the various movements which culminated in the Federal Pure Food and Drug Act and in the later administration of that act, he had responsible part as a member of the Foods Standards Commission, Vice-

NEW BEEF CATTLE BARN CONSTRUCTION RESUMED

After a delay caused partly by shortage of material and partly by the weather, work is progressing on the new beef-cattle barn located north of the Dairy farms.

Workers are now engaged in completing the interior of the main building and it is hoped that this part of the structure will be finished in about two months. The lumber for the new building was brought in the south, and difficulty was encountered in transporting it. This has been the chief cause in delaying the work, but material is now available and work will be pushed as fast as possible in the hope of having the new barn with its sheds and out-buildings complete in every respect by the first of July.

LIEBIG SOCIETY HEARS TALKS ON FACTORY WORK

J. E. Weber '21 addressed the members of the Liebig Chemical Society of Penn State, last Tuesday, on the subject of the "College Man in Commercial Work." Weber has been doing research work for the Imperial Ice Cream Company, since graduating from Penn State. The Imperial Company has quite extensive holdings and has established plants in Pennsylvania, West Virginia, Maryland, Kentucky and Ohio.

Men Who Can Think

Mr. Weber said in part that companies hiring chemists and especially college graduates, do not want the "cook-book specialist" type, but they do want men who can do things they have never done before, and they want results. The college chemist who goes into commercial work, must exercise his ingenuity to the limit; he must be able to do work that requires a great deal of care and accuracy. Never say you can't do a special type of work because you never did anything like it before, said Mr. Weber, for the company would prefer to have you say a mistake than to have you say you can't do it.

Forget that you are a college man, continued Mr. Weber, and try to make friends wherever you go. Do not be afraid of work. He also emphasized the advisability of the college graduate's acquiring practical experience by working for several years at a low salary job; and then he may look for advancement and a higher salary.

ENGINEERING SCHOOL SELLS STUDENTS LOW PRICED SKIS

Skis and toboggans are now being manufactured by the wood working department of the Engineering School. This new venture arose from the requests of students to make skis, and it was found that a product could be made and sold at a price much lower than that asked by dealers. Over twenty pairs of skis were sold recently.

"DICK" HARLOW WILL TEACH ORNITHOLOGY AT COLGATE

An item recently appeared in one of the daily newspapers to the effect that "Dick" Harlow, former boxing and assistant football coach at Penn State, will in addition to his activities as coach of football and boxing at Colgate, teach bird lore at that institution during the coming semester. Harlow's collection of birds is one of the best in the country. He has a degree of Master of Science, from Penn State.

Special Sale Now On Knickers and Trousers E. W. GERNERD The Tailor

If you want a SPECIAL flavor ICE CREAM, Sherbet or Ice, or a SPECIAL FLAVORED PUNCH for special occasions

CALL BELL 250 SMITH'S ICE CREAM FACTORY 500 W. Beaver Ave.

L. K. METZGER L. K. METZGER "The Fastest Growing Store in State College"

Parcel Post Laundry Cases VALENTINES Special Canvas Covered Field Note Book with 100 Sheets of Paper 89c Regular Price \$1.30
L. K. METZGER, 111-115 Allen St.

The Letter Box

Editor Collegian,
Dear Sir:

No one doubts the great value of the Tuesday evening lectures provided every year by the School of the Liberal Arts. Even though the audiences attending the talks are not large enough to justify holding the lectures in the Auditorium, the people comprising these audiences are very much interested in the addresses and have every bit as much right to be free from annoyance as they do when listening to a speaker in the Auditorium. The mere fact that he is speaking in Old Main should be no excuse for a speaker's having to compete with outside noises.

A considerable per cent of this disturbance is preventable, and is only the result of thoughtlessness of those who pass the Old Chapel when going in or out of Old Main. If people were aware of the fact that a lecture was under way, there is no doubt that the large majority of them would be willing to refrain from talking outside the Chapel doors, running noisily up and down the nearby stairs and stamping and shouting in the lower halls.

I believe the speakers and the audience would greatly appreciate it if the authorities in charge of the lectures would devise some means of reminding passers-by when addresses are being delivered in Old Chapel. One way of accomplishing this would be to place signs near the Chapel doors, requesting quietness on account of a lecture.

Yours truly,
A JUNIOR

REPORT SHOWS JUNIORS ARE DELINQUENT IN DUES

The report of F. J. Morgan, treasurer of the Junior Class, given last Tuesday evening at a regular meeting, brought to light the fact that many juniors were delinquent in class dues as well as in La Via dues. Announcement was made to the effect that any person who has not paid his assessments in full shall not have his picture appear in the La Via.

M. I. T. TO CONVERT TENNIS COURTS INTO HOCKEY RINK

Massachusetts Tech is planning to convert a group of tennis courts into a hockey rink, the principal object in its construction will be to provide a suitable place for the freshman hockey squad to practice.

PUBLIC SALE
We have purchased 122,000 pair of U. S. Army Munson last shoes, sizes 5 1/2 to 12 which was the entire surplus stock of one of the largest U. S. Government shoe contractors.
This shoe is guaranteed one hundred percent solid leather, color dark tan, bellows tongue, dirt and water-proof. The actual value of this shoe is \$6.00. Owing to this tremendous buy we can offer same to the public at \$2.95.
Send correct size. Pay postman on delivery or send money order. If shoes are not as represented we will cheerfully refund your money promptly upon request.
National Bay State Shoe Co., 296 Broadway, New York, N.Y.

EXTENSIVE PLANS MADE FOR BIG MILITARY BALL

Dance Will Mark Revival of One of Penn State's Oldest Social Functions

After being forgotten for the last few years, one of Penn State's biggest social events will be revived with the holding of the Military Ball in the Armory on February twenty-third. The affair is in the hands of a committee with E. E. Wells '23, of the R. O. T. C., as chairman, which is putting forth every effort to make the dance successful.

Acting on the recommendation of Paul Whiteman, the committee has engaged Zex Conroy's orchestra of New York City. The military Department will take charge of decorating the Armory, and in keeping with the spirit of the occasion, it is planned to use bunting, American flags and shaded lights.

The dance will be formal, but the military uniform will be "dress" for the members of the regiment. The assessment is set at three dollars so as to make it possible for all students to attend. The dance will be in progress from eight-thirty until two, and its success will probably determine whether or not it will be repeated next year. Tickets for the Military Ball can be secured at the Music Room, or from any one of the cadet officers.

The committee has planned to let out the check room to the highest bidder. All bids are to be submitted to E. E. Wells '23, at the Sigma Nu House.

ALPHA GAMMA PHI ENTERTAINS SHORT COURSE STUDENTS

Last Monday evening the Alpha Gamma Phi Fraternity put on the principal number in an entertainment given in Room 100 Horticulture Building for the students of the Short Course in Agriculture.
The program consisted of music, stories, jokes and two one-act comedies. Dr. S. W. Fletcher, Head of the Department of Horticulture showed a number of agricultural pictures and the evening was greatly enjoyed by over one hundred and fifty men who were present.

SOPHISTICATED
You'd be surprised at what he knows! He didn't learn it all in a book, either. For instance—his clothes are dreams and his grooming an inspiration.
He gets that finely turned-out head from "Vaseline" Hair Tonic. It smooths and grooms the hair. At all drug stores and student barber shops.
Every "Vaseline" product is recommended everywhere because of its absolute purity and effectiveness.
Vaseline HAIR TONIC
Chesebrough Mfg. Co.

SPECIAL SALE
Friday and Saturday
Golf Hose
\$3.00 to \$4.00 Qualities
\$2.35
The Fashion Shop
GLUNK & STUART