

NITTANY CATTLE RANK HIGH AT CHICAGO SHOW

Penn State Live Stock Awarded \$691 in Premium Prizes at Collegiate Exhibition

The live stock exhibited by the department of Animal Husbandry at the annual Intercollegiate Live Stock Exhibition held at Chicago December 1st to 10th won six hundred and ninety-one dollars in premium money.

The animals were placed among the best cattle and swine of the largest galleries and colleges of the country and made a good showing. In the senior yearling class, Grade and Cross-bred, Penn State came first and was also judged the champion which placed a premium of one hundred and twenty-five dollars.

The exhibitors also made a good showing for themselves with most of the animals taking either second or third place. In the Hampshire breed and the Berkshire entry of a pair of five-barrows of one hundred and fifty pounds, first place was attained with all colleges competing in the best large under two hundred and fifty pounds, the John Clay Special breed was awarded third place.

The department did not enter any sheep at the exposition and was thereby unable to enter into the competition for all three classes of animals in the final judging of the entries. All the cattle and swine entered at the show were sold there. The carload lot of swine were sold at ten and a quarter cents a pound while the others averaged from seven to eight cents a pound.

SENSENEY ETCHINGS ARE ON EXHIBIT THIS WEEK

A notable exhibition of color etchings by George Senseney is being shown in the Fine Arts Gallery in Old Main during this week. Color etchings have come in for recognition and popularity because of the beauty of their coloring and the delightful method in which they are rendered.

The artist is an American, having been born in Wheeling, West Virginia, in 1871, studied at the Corcoran Art School, Washington, and later under Laurens and Constant in Paris. He is a member of the Gravours and Engravers, Paris, and other art societies, and his work in his adopted medium, etching in color, which he has helped to make famous internationally is to be found in many noted collections both at home and abroad.

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THESPIANS WILL SELECT PRODUCTION NEXT MONTH

Plans are being made by the Thespians for their own tryouts to be held January eighteenth in the Auditorium. Last year one hundred and fifty students tried out for the cast of the Thespian production and an equal number is expected this year.

In all probability a student play will be chosen as the vehicle for Thespian talent. Of the twelve plays received in the play competition three have proved to be interesting. One other is yet to come in which will be considered with the other manuscripts before the final selection is made.

Announcement of the prize winner will be made immediately after the holidays. It is hoped by the organization that one of these submitted manuscripts will be available for production. It has long been the desire of the Thespian Club to present a play to the students, with the students and for the students. It appears likely for the first time that the realization of the club's desire will materialize.

NITTANY DELEGATES TO ATTEND A. A. S. MEETING

Society Will Meet This Month at Cincinnati—Local Members To Present Papers

Penn State will be well represented at the annual meeting of the American Association for the Advancement of Science when these meetings are held in Cincinnati beginning on the twenty-seventh of this month and continuing until the first day of January.

This organization has a five-day convention every year, at which time problems of national purpose are brought up and discussed by the members, among whom are found the very best of America's scientists. This year several papers will be presented by the members of the Nittany delegation, and, since some of these papers will take up important national problems, their content is being looked forward to eagerly.

The Penn State scientific society is the one and only branch of this association and the members naturally take great pride in belonging to this organization. At present there is a total membership of seventy-five in the local branch and of this number at least fifteen will be in the Ohio city for the sessions to be held there.

Although there has been no final announcement of the Nittany delegates, yet it is known that from the Botany Department there will be found Professors P. D. Kern, J. Ben Hill, J. P. Kelly and C. R. Orton. Other departments and schools that will be represented are the Schools of Engineering and Mining and the departments of Agricultural Chemistry, Animal Nutrition, Horticulture, Physics and Psychology.

CAMPUS DOGS AT CORNELL IN DANGER OF EXTERMINATION

As a result of the canine recreation in which they indulged in one of the Arts School buildings, the genus campus dog is in danger of extermination at Cornell at the hands of the medical students. A disturbance was created by some dogs which necessitated the disbanding of several classes for the day and the secretary of the Arts College has given his last warning to the owners of the campus pets.

PROGRESS IS MARKED IN POULTRY HUSBANDRY

Large Number of Two Hundred Egg Hens Are Produced During Past Year

According to a statement made this week by Professor H. C. Knandel, the past year has been a very encouraging one to the members of the department of Poultry Husbandry. Particularly is this true since more hens have been produced which laid two hundred eggs or more during the past year than in all other years combined.

Four years ago, the Pennsylvania State College did not have one hen of its own breeding which laid two hundred eggs in 265 days. Last year eighteen fowls reached the mark of two hundred eggs or better. All of these were S. C. W. Leghorn with the exception of one Barred Plymouth Rock and one Rhode Island Red. This year 247 S. C. W. Leghorn hens, one Barred Plymouth Rock and two Rhode Island Reds produced two hundred or more. The high bird laid 278 eggs being followed closely by another Leghorn which produced 276 eggs during the year.

Much of the credit for this success is due to the poultry superintendent, Mr. P. H. Marzoff and his assistants, Mr. Edward Taylor and Mr. Wm. Bull. These men were responsible for the care and management which the fowls received during their period of laying. Since only about seven hundred and fifty birds were under traps, the results are even more striking as one bird out of every three reached the high standard of two hundred eggs for the year.

By the distribution throughout the State of pedigreed cockerels from the strain, the department of Poultry Husbandry hopes to be of real practical service to the poultrymen of Pennsylvania.

GRANGE MAKES PLANS TO GET GIRLS' DORM FUNDS

At the last meeting of the Penn State Grange, held on December fourth, final plans for the raising of funds for the girls' dormitory were completed. Every member of the Grange now at the college, as well as alumni members and instructors on Ag Hill, will be visited and asked to contribute toward the fund.

A report was given of the meeting of the State and National Granges, held in Pittsburgh on November sixteenth. At this convention the seventh or national degree was conferred on 6,5000 members. Forty students, members of the Penn State Grange, and several instructors received this degree.

At the next meeting of the Grange, which will be held on January fifteenth, the officers for the coming year will be installed.

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VISIT THE State College Hotel Tea Room 8:00 A. M. Till Midnight. Open After All Dances

R. A. DUTCHER TALKS BEFORE WOMEN'S CLUB

Professor R. A. Dutcher, head of the department of Chemical Agriculture, addressed the child welfare section of the Faculty Women's Club on the subject of "Vitamines in Human Nutrition," in the Presbyterian Church last week. Professor Dutcher used lantern slides and in his talk, emphasized the necessity of a varied diet for all growing children. It was shown that the varied diet is the best and easiest way to supply the needed vitamins.

Professor Dutcher encouraged the use of the leafy vegetables and fruits, and of milk and dairy products. He also spoke of the use of cod liver oil for the treatment of rickets in babies. The lantern slides were used to show the effects of deficiency diseases produced by improper feeding. Most of the pictures shown were made from the college experimental animals used in the nutrition laboratories.

MINING PROFESSORS TO ATTEND COAL MINING CONVENTION

On December nineteenth, twentieth and twenty-first the Coal Mining Institute of America will hold its annual meeting at the Chamber of Commerce Building, Pittsburgh. Dean E. A. Holbrook, Professors W. R. Chesley and P. B. Buckley, and N. L. Weiss of the Department will attend.

On December twenty-eighth the annual convention of the American Association for Labor Legislation will be held at the New Willard Hotel, Washington, D. C. Dean Holbrook will address the assembly on the subject, "Uniform Mining Legislation."

ENGINEERING EXT. DEPT. PRINTS ECONOMIC PAPER

The increasing interest of employers and workers in the general subject of economics has led the Engineering Extension Department to prepare a paper covering in a brief way the fundamentals of economics, particular stress being laid on the vital problems of labor and capital. "The Re-organization of Industrial Society" is the subject of the paper which is being written by Professor C. G. Gamm of the department of Engineering Extension.

The paper will be published serially in the Engineering Extension News, which goes monthly to a mailing list of over seven thousand students and workers scattered throughout the state. Much of the material contained in the series of articles has already been used in addresses before trade bodies and groups of employers in various sections of the state.

Professor N. C. Miller, Head of the department of Engineering Extension is visiting the western section of the state, particularly the vicinity of Pittsburgh, in the interest of industrial trade programs for some of the large concerns located in that district. Professor Miller and H. A. Roscoe recently returned from Sellersville where they installed an elaborate home study

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MINERS AND GEOLOGISTS TO HEAR MINING LAW LECTURES

Mr. S. U. Smith, a well known attorney and specialist in mining law, of Pittsburgh, Pennsylvania, is at the School of Mines this week giving a course of lectures on mining law to the senior mining and geological students of the School of Mines.

EXHIBIT AND SALE OF HAND PAINTED CHINA at the Imboden Shop on Saturday, December 15th from ten a. m. to six p. m.

FOR RENT—Rooms for three students after vacation, single beds. Location W. Foster Ave. Call 18-M or inquire 110 McAllister St. 11-14.

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A Record Still Unbroken At 5:20 P. M., March 8th, 1920, Westinghouse Turbine Established World's Record for Continuous Running. What Engineering Owes to Good Workmanship. WHEN Westinghouse installed a 45,000 K. W. Turbine in the power house of the Narragansett Electric Light Company, Providence, R. I., early in December, 1919, there was no thought of more than the average weekly power house run. Abnormal weather conditions, however, brought so steady a demand for power, that the unit was not shut down until March 8th, 1920, after a continuous run of 84 days, 11 hours, and 36 minutes. This was especially remarkable in that the unit consists of two turbine generator sets, each of which operates independently of the other, so that the result was the mechanical equivalent of operating a single machine continuously for 169 days. If space permitted, many astounding figures could be cited—about the K. W. H. generated during this period, the water and coal used, the cooling system, the oiling system, etc. For example, to keep the generators cool, over 18,000,000,000 cubic feet of air passed through them, which equals 2,000 times the total weight of the generators and their bed plates. Equally impressive, oil was pumped through the self-contained lubricating system to the bearings at the rate of 600 gallons a minute. Had the oiling system failed for only 30 seconds, the bearings would have been wrecked, and other parts of the unit harmed! There is interesting history back of the operation of Westinghouse Turbine Units of 3,000 K. W. and higher. Notable records have been made in many of the world's great power plants, performance that is a tribute to remarkable engineering and good workmanship. Westinghouse W WESTINGHOUSE ELECTRIC ACHIEVEMENT & OPPORTUNITY

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