NITTANY CATTLE RANK HIGH AT CHICAGO SHOW

Penn State Live Stock Awarded 8691 in Premium Prizes at Collegiate Exhibition

The live stock exhibited by the de-partment of Animal Husbandry at the cannot intercollegiate Live Stock Ex-position hold at Chicago December to about won six hundred and gnety-one dollars in premium money.

The calinals were placed among the thet cattle and swine of the largest galeraties and colleges of the coun-try and made a good showing. In the sentence college class, Grade and Crossged broad, is no State came first and ans also judged the champion which this and Junear the calculation which place received a premium of one hun-ing I and twenty-five dollars. In the junior Shorthern class in which fortyminute entered, the entry from torn John Chri Special took second place maining all edleges. The prem-Jane thosey received on the cattle was two handred and ninety-nine dollars.

The swine entries also made a good The swife entries and made a good goving for themselves with most of the infladit taking either second or third place. In the Hampshire breed that been in the transparent and the Berkshire entry of a pen of three berrows of one hundred and fif-ty pounds, first place was attained With all colleges competing in the bes tarrow under two hundred and fifty pends, the John Clay Special breed was awarded third place. The carboad let of burrows that the department out to the show of barrows of two paded tounds and under two hungood and lifty pounds, received scool prize and a premium of one landred dollars. The swine entries non three hundred and ninety-two dolher making a grand total of six hunred and ninety-one dollars won at the

The department did not enter any sheep at the exposition and was there-by unable to enter into the competi-tion for all three classes of animals in the final judging of the entries. Al the cattle and swine entered at the show were sold there. The carload lot of swine were sold at ten and a quar-ter cents a pound while the others averaged from seven to eight cents a pound. The cattle brought sixteen pound. The cattle brought sixteen tents a pound on foot. The exposition this year was a decided success and Penn State retained a high place in the placing of the judges among the

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 cone in for recognition and popularity because of the beauty of their coloring and the delightful method in which they are rendered.

School, Washington, and later under Laurens and Constant in Paris. He laurens and Constant in Paris. He in a member of dess Graveurs en Coulsurs, Paris, and other art societies, and his work in his adopted medium, eiching in color, which he has helped to make famous internationally is to be found in many noted collections both at home and abroad. Not a few crities park Sensency as the greatest of color cohers, and others as one of the foremest landscapists of our American, us dog, is in danger of extermination.

PATRONIZE OUR ADVERTISERS ers of the campus pets.

THESPIANS WILL SELECT PRODUCTION NEXT MONT

Plans are being made by the The plans for their open tryonts to be held January eighteenth in the Auditorium Last year one bundred and fifty students tried out for the cast of the Thespian production and an equa number is expected this year.

In all probability a student play will be chosen as the vehicle for Thesplan talent. Of the twelve plays received in the play competition three have proved to be interesting. One other i yet to come in which will be considered with the other manuscripts before the final selection is made. It is hoped that this production will be in by the Christians holidays so that the pro-fessional director engaged by H. E. Schlosser during his visit in New York will be able to consider the winning day at that time.

Announcement of the prize winner will be made immediately after the will be made immediately after the holidays. It is hoped by the organi-zation that one of these submitted manuscripts will be available for pro-duction. It has long been the desiror the Thespian Club to present a play by 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. one of these plays does not proven validable, the plan of former years will be resorted to and a professional plantical comedy will be selected.

NITTANY DELEGATES TO ATTEND A. A. A. S. MEETING

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

Penn State-will be well represented it the annual meeting of the Ameri-Association for the Advancement of Science When those meetings are deal in Cincinnati beginning on the GRANGE MAKES PLANS TO wenty-seventh of this month and con-tinuing until the first day of Jagu-

rry.
This organization has a five-day conems of national purport are brought up and discussed by the membera, among whom are found the very best of America's scientists. This year ser-eral 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

The Penn State scientific society is The reini state scientific society is, the one and only branch of this as-sociation 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 ranch and of this number at leas

diffeen will be in the Ohio city for the sessions to be held there. Although there has been no final an-nouncement, of the Nittany delegates, yet, it is known that from the Botany Department, there will be found Pro-fessors F. D. Kern, J. Ben Hill, J. P. Kelly and CoA. Orton. Other depart-The artist is an American, having been hera in Wheeling, West Virginia, 1 1874, studied at the Corcoran Art Shool, Washington, and later under her and Mahington and later under her and Mahington.

the landscapists of our American shoot. He has produced in number about fifty plates, all of which, excepting recent ones still in print, are very tare.

Us dog, is in danger of extermination at Cornell at the hands of the medical students. A disquebance was created by tare, and the standing of several classes for the day banding of several classes for the day end the secretary of the Arts Colleg has given his last warning to the own

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 II. C. Knandel, the past year has been a very encourage ing one to the members to the depart cent of Poultry Husbandry. Partie ularly is this true since more here have been produced which laid two hundred eggs or more during the pas ear than in all other years combined Four years ago, the Pennsylvania State College did not have one hen of dris 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 Poet and one thode saind Red. Time year 247 S. C. W. Leghert hens, one barred Plymouth flock and two Rhod-biand fleds produced two hundred or more. The high bled hald 278 eggs by-log 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,
Mc. P. H. Margolf and his assistants, Mr. Etward Taylor and Mr. Wm. Bull. These men were responsible for the care and management which the fewls received during their period of lows received mining their period of laying. Since only about seven hun-dred and fifty birds were under trap-nests, the results are even more strik-ing as one bird out of every three reached the high standard of two hun-

fred eggs for the year.

By the distribution throughout the state of podigreed cockerels from the train, the department of Poultry Hus to the poultrymen of Pennsyl

GET GIRLS' DORM FUNDS

At the last meeting of the Bonn Stat Grange, held on December fourth, final plans for the raising of funds for the dris' dormitory were completed. Exry member of the Grance now at th dlege, as well as alumni membe

A report was given of the meeting f the State and National Granges, held a Pittsburgh on November sixteenth At this convention the seventh or na At the next meeting of the Grange,
At the next meeting of the Grange,

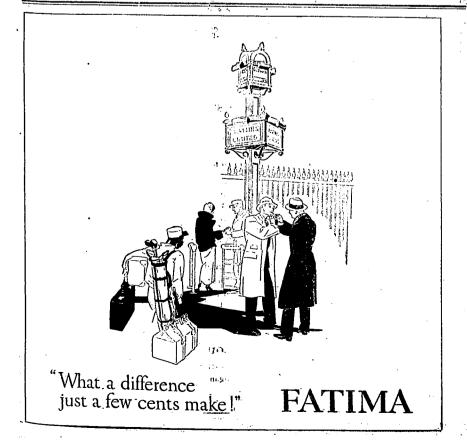
which will be held on January fifteenth the efficers for the coming year will be installed,

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

Professor Dutcher encouraged the use of Engineering Extension.

Professor Dutcher encouraged the use of the leafy vegetables and fruits, and in the Engineering Extension News spoke of the use of coal liver oil for the workers scattered throughout the state lantern slides were used to show the Much of the material contained in the effects of deficiency discusses produced series of articles has already been used by improper feeding. Most of the pied in addresses before trade bedies and turns shown were made from the cell groups of employers in various sections lege experimental animals used in the nutrition laboratories.

Of Engineering Extension.

The paper will be published serially in the Engineering Extension.

Which of the Engineering Extension.

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The paper will be published serially in the Engineering Extension.

When of the states of over seven thousand students and the effects of deficiency discusses produced series of articles has already been used by improper feeding, Most of the pied of the state.

Professor N. C. Miller, Head of the nutrition laboratories,

tute of America will hold its annual

Department will attend. On December twenty-eighth the an-ual convention of the American A.5 ociation 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 employed Transmers of employers department of Chemlent Agriculture, and workers in the general subject of addressed the child welfare section of economies has led the Engineering Extense as the Faculty Women's Club on the sub-tension Departments to prepare a paper per a paper of "Vitamines in Human Nutrist covering in a brief way the fundamentation," in the Presbyterian Church last also of economies, particular stress beautiful. seek. Professor Ducher used lanteen has as of economics, particular stress here week. Professor Ducher used lanteen has laid on the vital problems of labor slides and in his talk, emphasized the send capital. "The Re-organization of necessity of a varied diet for all grows industrial Society" is the subject of the lange children. It was shown that the lateer which is being written by Provaried diet is the best and easiest way fessor C. G. Gaum of the department to supply the needed vitamines.

Professor Ducher encouraged the use of Engineering Extension.

The paper will be published scrially of the leafy verestables and fenils, and in the Engineering Extension.

Professor N. C. Miller Head of th MINING PROFESSORS TO ATTEND
COAL MINING CONVENTION
On December inincenth, twenti-th bargh, in the interest of industrial and twenty-first the Coal Mining lasti- trade programs for some of the larger concerns located in that district, Pro-fessor Miller and H. A. Rosene recent meeting at the Chamber of Commerce festor Miller and H. A. Rosene recent Building, Pittsburgh, Dean E. A. Holty by returned from Soliersville where rook, Professors W. R. Chetsey and they installed an elaborate home study P. H. Bucky, and N. L. Welss of the

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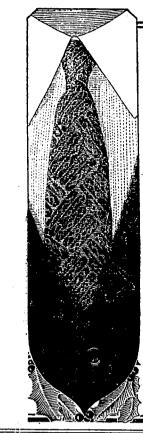
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A Record Still Unbroken ·



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.

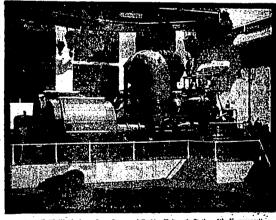
Abnormal weather conditions, how-

ever, 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,

stalled a 45,000 K. W. Turbine in

At 5:20 P. M., March 8th, 1920, Westinghouse Turbine Established World's Record for Continuous Running.

What Engineering Owes to Good Workmanship



45,000 K. W. Westinghouse Cross-Compound Turbine Unit at the Station of the Narragansets Electric Light Cumpany, Providence, R. I.

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.

