

THREE TOMATO STRAINS PERFECTED AT COLLEGE

Professor Myers, School of Agriculture, Announces Results of Extensive Experiments

As a material contribution to the market gardening interests of the country, announcement was made today by Professor C Emory Myers of his perfection of three new types of tomatoes at the Pennsylvania State College Agricultural School. Two are entirely new varieties resulting from cross breeding and the other is a selection. All have been tested to yield from eight to ten tons per acre more than the general Pennsylvania average. A special feature is the fact that the plants of all the new varieties are quite resistant to disease.

The result of this work will have a stimulating effect on the market production of tomatoes throughout Pennsylvania, New Jersey, Delaware, Maryland and Virginia, the great tomato belt of the east. It is invited in recent local plant breeding developments only by the introduction two years ago by Professor Myers of "Penn State Hallhead" cabbage, which averages a production of 25 tons to the acre, or eleven tons more than the parent variety from which he made the selection in 1912. The new tomatoes are expected to do for market gardeners what "Pennsylvania 44" wheat, also developed in recent years at Penn State, is doing for farmers of the state with its five bushel average increase in yield.

In addition to the "Nittany" tomato, Professor Myers has named the two other new discoveries "Matchum" and "Penn State Earliana." Last year in the college gardens the "Nittany" yielded almost fifteen and one-half tons of fruit to the acre. The average yield of "Matchum" for the past seven years of its development was just fifteen tons and in eight years the "Penn State Earliana" averaged thirteen and three-quarter tons per acre. The average yield of tomatoes in Pennsylvania is between five and six tons per acre, and that for the better class of market gardeners is about ten tons. The comparative value of the new brands is readily seen.

The Nittany tomato, resulting from the cross of Enormous, a large red tomato, by Yellow Pear, originated thru unusual circumstances. Professor Myers made the cross primarily for a study of inheritance to determine scientific facts rather than to produce new varieties. The yellow pigment disappeared in the first generation. It reappeared in the second in the ratio of one yellow to three red. One of the red plants possessed desirable combinations of fruit, shape, size and color. Seeds of this plant have continued to give only red fruit, and produced the Nittany variety. The cross was made in July, 1919. The vine resembles that of the Yellow Pear and is quite resistant to disease. The outstanding feature of this variety is the fact that the fruit has inherited the tough skin characteristic of the Yellow Pear. While it detracts nothing from the edible qualities, it is invaluable for the fruit does not crack during growth or shipment. For the main crop it is considered superior to any other of the more than seventy-five varieties which have been tested at the Pennsylvania Agricultural Experiment Station within recent years.

The Matchum produces a large, mid-season crop, the fruit matures before that of other parent and the plant resembles the Hummer. The fruit averages nearly three inches in diameter, has few seeds and the flavor is mild and pleasant. Production is four tons greater per acre than either parent.

Professor Myers started tomato studies following his graduation from Penn State in 1908. He made several selections from various seed sources of the popular Earliana variety which resulted in the development of Penn State Earliana. His "Number 4" selection was an outstanding plant and has evolved the new strain. The plant is of medium size and relatively free from disease. The fruit is two to three inches in diameter, free from cracking, interior solid and with few seeds. The flavor is mild and free from acid. It is superior in type, earliness and productiveness to any other of the twenty-seven strains tested.

PROFESSOR ANDERSON ATTENDS NATIONAL EDUCATION MEET

Professor D. A. Anderson, Head of the Department of Education and Psychology of the School of Liberal Arts is spending the week-end in Chicago where he is participating in the Department of Superintendence, National Education Association and affiliated associations.

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RATS SUFFER THROUGH PROGRESS OF CAMPAIGN

If the amount of poison which is being disposed of is any indication, State College should soon approach the ideal and become a ratless community. Acting under the direction of the local Chamber of Commerce, a committee has been working extensively during the present week in stimulating interest in the rat eradication campaign.

Following a committee meeting, which was held in Old Chapel on Tuesday evening, bags of poison were distributed in every house in town. The poison being used is barium carbonate which government officials have specified as the best destroyer of rats. In addition to the poison, the committee is distributing directions prepared by the United States Department of Agriculture giving details and precautions to be observed in the extermination of the pests. The plan which is being followed is to supply house owners with the amount they judge necessary and to charge them for the quantity used. This plan, the committee thought, would bring the best results, since supplying everyone with the poison would serve to stimulate interest in the campaign.

The attitude of the residents toward the campaign has been very encouraging and the Chamber of Commerce hopes to minimize the yearly loss caused by the pests.

THIRD ANNUAL CONCERT OF GIRLS WELL RECEIVED

Solos By Miss Betty Croll '25, and Readings By Misses Cupit and Parker are Features

The professional manner in which the members of the Glee Club conducted their concert in the Auditorium on Wednesday evening pleased a large audience of students and faculty. The concert represented many weeks of tireless practice on the part of the members under the direction of Mr. Franklin G. Williams, and the style in which they interpreted the various selections proved that the time had been well spent.

The Girls' Glee Club, with the Varsity Girls' Quartet and the Freshman Girls' Quartet, is yet new in the history of Penn State, but with their several minor concerts and their annual concert, they are fast gaining prominence on the Campus, and outside of State College.

Especially pleasing at Wednesday's concert were the soprano solos by Miss Betty Croll '25. Miss Croll is the possessor of a very charming voice, and that the audience appreciated it was shown by the applause which she received after singing Scott's "The Wind in the South" and Strickland's "My Lindy Lou." The combined Glee Club, composed of the best feminine talent in College, was heartily approved in rendering their several selections including the ever popular "State Songs."

Selections by the Varsity Girls' Quartet, composed of Miss Gladys Fulton '22, first soprano, Miss Reva Dana '24, second soprano, Miss Ruth Erb '22, first alto, and Miss Marion Thompson '22, second alto, and the Freshman Girls' Quartet, composed of Miss Betty Croll, first soprano, Miss Leah Lark, second soprano, Miss Ruth Erb '22, substituting for Miss Grace Haffey, first alto, and Miss Pauline Finckhbaugh, second alto, were sung in a very entertaining manner, and the attitude of the audience proved that the quality of singing as done by these quartets is exceedingly popular at Penn State.

The program was also varied with a recitation by Miss Florence King '23, and a piano selection by Miss Lyla Parker '24. Both of these young women entertained their hearers in a creditable manner.

SEVERAL FRATERNITIES TIED IN LEAGUE RATING

Many Contests Must Be Played Before Division Leaders Earn Recognition

With the passing weeks, interest in the Inter-Fraternity Basketball League is increasing and eyes are being turned to the final meets between the division leaders. However it will be a few weeks yet before those deciding contests are played. Each team in a division is required to play five games during the season and to date there are several which have met in only two or three games. Until all of these teams play their required number the final contests will necessarily be deferred.

Since the end of the Freshman basketball season with the game with the Pitt Frosh, the Armory floor has been empty during the early part of the evening. Taking advantage of this, the Fraternity basketball management has secured the use of the floor from seven to nine o'clock instead of from eight to ten o'clock. This makes the entire schedule more convenient for all teams.

The following standings show the leaders of each division. This standing was made out to include all games played up to and including Tuesday night. Where there are more than one listed, they are tied for first place. First Division—Phi Gamma Delta, Phi Kappa Sigma, Phi Sigma Kappa. Second Division—Delta Upsilon, Alpha Chi Rho. Third Division—Beta Theta Pi, Sigma Nu, Kappa Sigma. Fourth Division—Alpha Gamma Rho. Fifth Division—Cueco Fraternity. Sixth Division—Delta Tau Delta, Friends' Union.

The schedule for next week is as follows: Tuesday, February 25. 7:00 A—Phi Kappa Sigma vs Phi Sigma Kappa. 8:00 A—Phi Gamma Delta vs Phi Sigma Nu. 9:00 A—Delta Upsilon vs Alpha Chi Rho. 10:00 A—Beta Theta Pi vs Sigma Nu. 11:00 A—Cueco Fraternity vs Delta Tau Delta. Wednesday, February 26. 7:00 A—Phi Gamma Delta vs Phi Sigma Nu. 8:00 A—Alpha Chi Rho vs Delta Upsilon. 9:00 A—Delta Sigma Phi vs Sigma Chi. 10:00 A—Alpha Gamma Rho vs Alpha Zeta.

GYMNASTIUM CLASS BEING FORMED BY LOCAL Y. W. C. A. Under the auspices of the local Y. W. C. A., a class is being organized for gymnastium work. No restrictions or conditions are forced upon those who hope to join for all women and girls who are interested in work of this nature are invited to join. It is not necessary to be a member of the organization in order to join the class, and it is expected that a large number will avail themselves of the opportunity to derive the benefits offered by the organization.

The meetings will be held every Thursday night at 8:30 p. m. in the basement of the Methodist Church under the direction and supervision of Mrs. Adams. Being a graduate in the course of Physical Training of Oberlin College, Mrs. Adams will be able to do her work in a capable manner.

COLLEGE ORCHESTRA PLANS EASTERN TRIP FOR APRIL

The College Orchestra is making plans for a big trip to be taken during the Easter vacation. While no definite arrangements have as yet been made it is known that a number of the larger Eastern cities, including Philadelphia, will be visited during the tour. The orchestra has been working hard all during the year and has been successful in its engagements thus far so that there is every indication that it will be accorded an enthusiastic reception wherever it may go as one of the foremost college orchestras in this part of the country.

STATISTICS SHOW VALUE OF SPRAYING POTATOES

For the fourth consecutive year, Pennsylvania farmers have been given conclusive evidence that potato spraying pays, by statistics compiled by the School of Agriculture of the College. Careful records, covering the cultivation of the potato in fifty-seven counties of the State disclose many interesting facts directly related to one of the most important developments of agriculture in the United States.

The outstanding feature of the year's report lies in the fact that despite the extremely dry and hot weather of last summer, there was no decrease in the total yield of sprayed over unsprayed potatoes, compared with the previous year. The average increase in the last four years has been 36.6 per cent while in the last two years, the increase was slightly more than seventy-four bushels per acre. The average cost of spraying an acre is \$10.55.

There has been a steady increase in the average yield of potatoes in Pennsylvania State College Agricultural Extension Division has advocated through field demonstrations. This figure has doubled due to the efficient methods adopted by the farmers of the state. It has been proved without question that the Bordeaux mixture applied to the potato vine acts as a stimulant under all circumstances according to Professor Nison, plant disease specialist of the college.

PURDUE HEAD TO SPEAK ON HIGHWAY RESEARCH

The Engineering lecture for Friday, March 24, will be on "Highway Research" and will be delivered by Professor W. K. Hatt of the National Research Council. This lecture will be in Room 200 Engineering D at 4:30 on the evening of Friday, March 24. Dr. Hatt is Head of the School of Civil Engineering of Purdue University, on leave of absence to take charge of highway research work. He has just been to the Pacific Coast studying conditions on highway experimental stations.

COUNTY AGENT TAKING POST GRADUATE WORK AT WISCONSIN

I. M. McKee, who graduated in the course of Agronomy with the class of 1911, and who for the past nine years has been the county agent in Washington County, has been given a leave of absence for one year. He is taking post-graduate work at an advanced degree in Rural Economics and Farm Management at the University of Wisconsin.

PROFESSIONAL COACH IS SECURED BY THESPIANS

In accordance with the policies adopted at a recent meeting of the Thespians dramatic organization, the Club announces that it has secured the professional coaching services of Mr. Albert Long for their production which will be offered to the State College play going public on March tenth.

Mr. Long signed the contract on Friday and he immediately set about studying the script that had been submitted by the Thespians Club at large. The completed prompt book is now in order and rehearsals are being held every afternoon and evening.

AMERICAN COLLEGE ATHLETES MAY ENTER ITALIAN OLYMPICS

American College athletes have been invited to the Italian Olympic Games, the first of which will be held at Rome in April, 1922. Competition is invited from American Colleges and Universities for the international football match (one team for each nation), rowing, footrace, and relay races. One team of three competitors will be admitted to each event from each nation.

PRINCETON IS BUILDING LARGE ICE-SKATING RINK

A gigantic indoor ice skating rink is now being erected on the campus at Princeton. Although the ice is now ready for the use of the skaters the structure will not be completed before spring. The rink has an ice surface of 200 feet by 85 feet and has a seating capacity of 2500. It will be equipped with two dressing rooms, showers and lockers for the team. The estimated cost of the structure is \$250,000.

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THREE ART EXHIBITS COMING TO COLLEGE

The Art Department is making extensive plans for a number of varied exhibits to be displayed in the Art Museum in Old Main early in the Spring. The exhibits as now planned will include photographs, water color and oil paintings by some of the best known artists in the country.

The first of the exhibits will be the current exhibit of the American Photographic Society which will be open from March fifth to fifteenth. The exhibit which will be brought here direct from the exhibition in Boston is under the auspices of the Division of Photography which is trying to stimulate an interest in Photography at Penn State. The photographic exhibit will be followed by Blich Bernett Long's sketch competition for 1922 under the auspices of the Scarab Architectural Fraternity.

WHARTON SCHOOL DISCONTINUES THE USE OF ITS HONOR SYSTEM

The Faculty of the Wharton School of Finance of the University of Pennsylvania has recently announced that the honor system, which has been in force almost since the founding of the school, will be discontinued.

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The Duffany Theatre Co. Photoplays of Quality. State College, Pa. FRIDAY—Matinee at 2:00 GEORGE ARLISS, in "The Ruling Passion". The management personally recommends this as being not only the best enacted picture of the new year, but also as the most pleasing, likable, humorous entertainment we have been able to present.

ADDED—JOHNNY HINES, in "Torchy Takes a Chance" Adults, 30c; Children, 15c, and Tax. SATURDAY CORINNE GRIFFITH, in "The Single Track" NEWS WEEKLY.

NITTANY FRIDAY and SATURDAY Matinee Saturday at 2:00 First Pennsylvania Showing "RED HOT ROMANCE" Kills Gloom at a Glance Not a Picture For Gloom Casters The Man With a Split Lip The Girl Who Heard What Laughing Does to the Figure The Man Who Made a Big Bet Never to Smile But Everyone Else Will Be Glad They Came When JOHN EMERSON and ANITA LOOS Present Their Own Production "RED HOT ROMANCE" Not all laughter—Not all romance—Not all thrills—Not all drama—Not all action—But Enough of Each to Paint the Town Red! MERMAID COMEDY "Free and Easy" Adults 30c, Children 15c, and Tax. COMING—"THEODORA", The Biggest Picture Ever Made.