

DAIRY CLUB SHOW COMMITTEE NAMED

May Tenth Set as Date for Second Annual Dairy Cattle Show and Mock Sale

FITTING OF ANIMALS TO BEGIN EARLY IN APRIL

As a result of action taken at a recent meeting of the Dairy Husbandry Club, held last Thursday evening, plans for the second annual Dairy Cattle Show and Mock Sale to be staged May tenth, are now well under way. President Seipt '24 has appointed an executive committee to have charge of arrangements for the event, and at the April meeting other committees will take office. Dr. I. F. Shibley, Assistant Professor of Veterinary Medicine, at Penn State, spoke interestingly before the dairy students on the subject of contagious abortion among dairy cattle. Another feature of the meeting was the awarding of medals to the members of the Dairy Products judging team.

Executive Committee Appointed

The dairy cattle show and mock sale is the most important feature on the Spring program of the Dairy Husbandry Club, and it is expected that all members of the organization will cooperate in making the show as successful as was last year's affair. The executive committee to be appointed by President Seipt is the executive committee which includes D. W. Smith '24, chairman, C. T. Lous, O. S. Havens '25, A. D. Platt '26 and R. W. Hummer '27. This committee will make all preliminary arrangements for the show and sale, such as securing sufficient and suitable premises and similar work.

At the next meeting of the Dairy Husbandry Club to be held on or about April tenth other committees will be appointed, to have charge of the various departments of the show and sale. One of the most important of these committees will be that group which will see to the proper and timely fitting of the animals. The fitting work will probably begin shortly after this meeting, and will continue on an intensive scale until May tenth, the date of the show and sale.

AGRONOMY PROFESSORS PREPARE TWO BULLETINS

Professors F. D. Gattiner and A. L. Patrick of the Agronomy Department have just completed work on an extensive circular concerning the use of high grade fertilizers and a reduced number of analyses. This pamphlet is in press at present and will be ready for distribution soon. It contains a table of recommendations for major crops and soils of the state. Dr. C. T. Soil of the same department is preparing a bulletin on soy beans, this will be ready for publication shortly.

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DR. NEWELL SPEAKS ON CONSERVING RESOURCES

The Engineering lecture, Friday afternoon was delivered by Dr. Frederick H. Newell, on the subject "Conservation of the Natural Resources of Pennsylvania."

Dr. Newell is a native of Pennsylvania, graduate of Massachusetts Institute of Technology, and was with the United States Geological Survey, first as Chief Engineer and then as Director. From 1913 to 1920 he was head of the Department of Civil Engineering at the University of Illinois. Dr. Newell was one of the early advocates of legislation and was head of the Reclamation Service and has been consulting engineer for that service for the last ten years. He is a member of the American Society of Civil Engineers and various other engineering and scientific organizations and has written extensively on "utilization" and related subjects.

ANNUAL MILITARY BALL HAS LARGE ATTENDANCE

Continuous Music Provided by Ken Keller and the Penn State Collegians.

Nearly three hundred couples were present on Friday evening at what proved to be one of the most colorful events of the current social season, the Military Ball. Continuous music was furnished by Ken Keller's famous Altoona combination and the Penn State Collegians.

The tone of the dance was military throughout, the receiving line being composed of officers of the local Post. The decorations here and there added atmosphere, the national colors, company guidons, great strips of bunting and numerous field pieces transforming the Armory completely. Lines of red, white and blue lights, stretching across the floor, achieved a distinct lighting effect.

A feature of the affair was the novel program in the form of card cases, the dance was commensurate after battles fought in American history at Gettysburg, Lexington and Concord being typical examples.

Special care was taken by the committee in the selection of the orchestra. Ken Keller's group had met with such pronounced approval at the recent Pitt Prom, that the committee immediately secured its services for the Ball. The Penn State Collegians fully measured up to the high standard of standard of the evening.

The Military Department, which furnished the decorations, and the committee, composed of Chairman C. W. Doughtering '24, K. R. Devers '21, K. D. Loeffler '24, R. M. Thomas '24, A. B. McQuinn '21, J. H. Gould '25, W. C. Rowland '25, and A. C. Looney '26 are entirely responsible for the success of the affair.

CHEMICAL SOCIETY SECTION ORGANIZED

Division Comprises Eight Adjacent Counties—Dr. G. C. Chandler Elected Chairman

MAJORITY OF MEMBERS ARE FROM PENN STATE

A new section of the American Chemical Society was organized at a meeting held in the Chemistry Amphitheatre on March twelfth. The section comprises the following counties: Centre, Clearfield, Clinton, Union, Mifflin, Huntingdon, Lycoming, and Blair. There are six members in the new organization, forty-two are from State College and eighteen are from other towns in this region. It is hoped to increase the membership through the like number of chemists engaged in industrial work in this section. The Penna. Railroad Company at Altoona employs about fifty chemists, so far as is held at the meeting with the

election of officers for the ensuing year was held at the meeting with the following members of the college faculty put into offices: Dr. G. C. Chandler, head of Chemistry Department, Chairman; Dr. F. M. Paulson, professor of Metallurgy, Vice Chairman; Dr. E. B. Forbes, director of Animal Nutrition, Secretary; Dr. M. W. Lisse, assistant professor of Chemical Agriculture, Treasurer; Professor R. A. Hutcher was elected Counselor. He will attend all conventions held by the society. The other Vice Chairmen are to be appointed and in all probability they will be from Williamsport and Altoona. While it was not definitely decided how many meetings were to be held by the society during the year, it was decided to hold two meetings during the remainder of the semester in different cities of the section.

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President Thomas and Dr. W. H. Walker, a member of the Board of Trustees and an alumnus of the college, were the principal speakers at the organization meeting. President Thomas gave much good advice to the members of the organization, and Dr. Walker presented a live and interesting talk.

ORCHESTRA CONCLUDES SUNDAY CONCERT SERIES

Effective Recital Marred by Absence of Bass Viols—Is Well Received

The sixth and final concert of the Sunday afternoon series was given by the College Orchestra in the Auditorium under the direction of Professor W. O. Thompson, College Bandmaster. The audience of approximately eight hundred and fifty responded with enthusiasm to the interpretation of the program.

The Orchestra was greatly handicapped by the absence of several major instruments. The opening number, a grand march introducing the national anthems of France and Russia, with the "Red, White and Blue" of the United States, was an effectively arranged composition, but owing to the lack of sufficient basses to carry the contrapuntal arrangement, the composer's idea was not very well sustained. In the two Schumann numbers, "Humoresque" and "Autumn," the same weakness was again pronounced but in the other numbers of the program the deficiency was overcome.

"The Chimney of Normandy" was a very well balanced selection. The sacred song, "Flight of Ape," featuring the trumpet and trombone, was exceedingly well done by both orchestra and soloists. The dainty numbers by Dendix and Ascher and the ever-popular march "National Emblems" completed the program.

PATRONIZE OUR ADVERTISERS

CHESS TEAM WILL MEET WILLIAMSPORT PLAYERS

Following its first real matches the Penn State chess team will meet the Williamsport chess organization on March twenty-fifth. It is reported that the Williamsport players are non-exporters but the Nittany team, with a 7 to 3 victory over the faculty team to its credit, will undoubtedly make a good showing.

Arrangements are still in progress for the student players to meet a team of the Best chess players of the Rockview, Pennsylvania, but no definite plans have been made.

R. D. ANTHONY TO DIRECT FERTILIZER EXPERIMENTS

Under the direction of Professor R. D. Anthony of the department of Horticulture, the Harriet Company, of New York will conduct tests for the use of sulfate of ammonia as a fertilizer. The Harriet Company produces large quantities of this material each year and is eager to extend its use into horticulture. The producing company will finance all experimental projects, the first of which will be conducted by an experimental apple orchard in Franklin County.

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"What was the matter with Professor Henry this morning? I've never seen him so peevish. He seemed to be boiling over."

Pythias
"Boiling over is good. He was. Didn't you notice why? The old boy had mislaid his Eldorado pencil."

HARVARD ENROLLMENT LIMIT IS SET AT ONE THOUSAND

One thousand is the limit set for the freshman enrollment in Harvard next year. This is sixty-six more than the number admitted last year.

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What Engineering Owes to Initiative

Daddy of All Large Commercial Turbines Began Operation at Wilmerding

PRIOR to 1899 the works of the Westinghouse Air-brake Company was operated by reciprocating engines distributed in various parts of the plant. While this source of power was inefficient in many respects, it was the best known commercial motive force of the day.

By 1899, however, remarkable developments had been made in the design and construction of steam turbines and electric generating equipment. Called to the attention of the Airbrake officials, it was decided to give the new machines a chance, and three Westinghouse Steam Turbines were installed without delay. This was the first large installation of its kind, anywhere.

It required initiative to take this step—someone had to be first. And, as in all important pioneering achievements, there was much skepticism as to results. However, the new units quickly proved their practicability. Although of only 400 K. W. capacity they proved much more efficient and economical than the old reciprocating engines. Their economy was particularly conspicuous because by careful test they showed a fuel saving of approximately 30 per cent.

Steam turbine development thus received its first real impetus in 1899, the Wilmerding, Pa., performance definitely establishing this electrical unit as a better method of turning the wheels of industry.

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