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PABLO CASALS GIVES RECITAL IN AUDITORIUM

World Famous 'Cellist Presents Many Difficult Numbers to Large Audience

Pablo Casals, the world's greatest cellist, appeared in recital last Saturday night as a feature of the entertainment course offered by the Department of Music and the Y M C A. Despite the number of athletic and social activities of the evening, the Auditorium was well filled and the recitalist was warmly received.

Beginning his program with two complete numbers by Bach, the Sonata for D and the Suite in G, Casals demonstrated the interpretive ability which has gone far in gaining for him a world-wide reputation. In the second number he was not accompanied by his pianist, relying entirely upon his own ability to make the composition a success.

In the third number, a concerto by Tartini, Casals displayed for the first time the brilliant technique which has won for him the name of "The Paganini of the cello." Playing entire passages of the selection in harmonics alone, he concluded the Concerto in a finale of double stops and trills at a pitch rarely reached effectively even by skilled performers on the instrument.

"Ave's un Reve," by Faure, and a similar selection, "Fluence," by the same composer, were the first pieces of the fourth and final group. Each brought into play the broad organ-like tones for which the violoncello has become so well known and were featured by smooth melodies and their relative simplicity of execution. The "Intermezzo from Gosses" followed. In this even more than in the preceding numbers, Edouard Gendron exhibited his skill as an accompanist. The composition contains several pizzicato passages calling for the best ability of the players, but so careful was the tonal co-ordination that the effect was that of one instrument rather than of two. "Tantaleto," by Poppel, completed the program. It was a spirited Spanish dance and was one of the most difficult selections played during the evening.

Throughout the recital the audience could not fail to be impressed by the stage noise and lack of affection of the great artist. Mr. Casals used music for only one number playing in the others as if for his own pleasure alone, often with closed eyes and always with perfect simplicity of manner.

FORMER COSMOPOLITAN CLUB IS REORGANIZED

Reverting a society which existed some years ago but which had ceased functioning, the foreign students of Penn State again organized the Cosmopolitan Club on Friday January eleven.

An election of officers followed the organization of the club and the following were chosen: President, Virgilio P. Colon '26, Vice-President, Serge K. Hapoughin '26, Secretary, Ramon I. GH '26, and Treasurer, Dr. W. D. Crockett of the Latin Language Department. A program of activities has been outlined by the officers of the Club, among which discussion groups and social events are outstanding.

"Above All Nations Is Humanity" is the motto of the Club which was originally inaugurated because the need was felt on the campus for an organization of foreign students by means of which more friendly relations would be fostered between the students from foreign lands and where these students would be brought into closer contact with each other.

EXTENSION WORKERS PAY TRIBUTE TO MCDOWELL

About one hundred county agents and extension specialists, members of the Agricultural Extension Department gathered on College Avenue on Sunday, January thirteenth and marched in a body to the home of their "chief," M. S. McDowell, director of agricultural extension, to express their congratulations on the occasion of his birthday.

Headed by "Dave" Sloan and "Mac" McWilliams, two veteran county agents, the agricultural workers captured the McDowell home by surprise. Following a short talk by Bruce Dunaway, County Agent of Blair county, in which he expressed the appreciation of the entire staff for the work of their leader, during the years he has been in charge of extension activities, Mr. and Mrs. McDowell were presented with tokens in the form of flowers and candy.

In a few well chosen words, Mr. McDowell told of the pleasure that it was his to lead the organization through the years of growth to its present stage. "Occasions like this," he said, "are the kind that bring a great amount of satisfaction and make for the fine morale which has always existed in the Department."

1924-1925 CALENDAR ANNOUNCED BY SENATE

Christmas Recess Begins on December Twenty-third—Ends January Sixth

The College Senate at its regular meeting last Thursday adopted the following calendar for the year 1924-1925:

1924.
Examination for Admission, Advanced Standing and Removal of Conditions—Sept. 18-20, Thursday-Saturday.
Registration Day—Sept. 22, Monday-Tuesday.
First Semester begins 10:30 a. m.—Sept. 21, Wednesday.
Alumni Home-Coming Day—Oct. 25, Saturday.
Scholarship Day—Nov. 4, Thursday.
Thanksgiving (holidays)—Nov. 27th, Thursday.
Christmas Recess begins 7:20 p. m.—Dec. 23, Tuesday.

1925.
Christmas Recess ends 8:00 a. m.—Jan. 6, Tuesday.
Winter Courses in Agriculture begin—Jan. 8, Thursday.
Second Semester Registration—Jan. 28-31, Wednesday-Saturday.
First Semester ends—Feb. 7, Saturday.
Second Semester begins 8:00 a. m.—Feb. 9, Monday.
Mid-year Graduation 7:20 p. m.—Feb. 10, Tuesday.
Winter Courses in Agriculture end—Feb. 6, Friday.
Winter Recess begins 7:20 p. m.—Apr. 9, Thursday.

DEPARTMENT OF MUSIC OFFERS NEW COURSES

In accordance with the plan to broaden the scope of the Music Department at Penn State, four new courses in music have been offered for the second semester. The courses are open to all and it is expected that a large number of students will take advantage of the opportunity to learn more of the theory of music.

Music 56, dealing with a general survey of the history of music, Music 58, a course in elementary sight singing and ear training as well as music fundamentals, Music 60, advanced theory in sight singing and ear training and Music 59, a course in music appreciation which is designed to develop intelligent and discriminating listeners, are the courses offered.

Although there are no prerequisites for any of the courses, all students taking Music 59 and 60 are required to sing in either choir A or B.

PENN STATE HOLSTEIN COWS MAKE RECORDABLE RECORDS

The Holstein cow, Lillian Gorn Kalkhoff, owned by the Pennsylvania State College and noted for her remarkable record in producing 22,247 pounds of milk in one year has a close rival in her daughter which has produced 22,072 pounds of milk in the last year. This quantity represents approximately 10,400 quarts of milk, 848 pounds of butter, and 7000 pounds of cottage cheese. This young cow has inherited all the good qualities of its mother and promises to even exceed her record. Lillian now she has a record of producing 680 pounds of butter fat in the last year while her mother's best record is 679 pounds of butter fat.

GREAT DEMAND IS MADE FOR EXTENSION SPEAKERS

The Board of Merchants Association of York, Pennsylvania has applied to the Engineering Extension Department of Penn State for a speaker to address their February conference. The Department is in frequent receipt of similar requests from trade bodies, employee organizations, and the like. Professor C. G. Gamm has filled a number of such appointments, the most recent being a meeting of the Producers Club at Waynesboro. At that meeting he spoke on the subject "The Industrial Worker As a Student of His Own Game." Special emphasis was laid on the need for a closer understanding of basic economic law on the part of all the workers and not only officials and executives.

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Something Happened in 1891

What Engineering Owes To Sound Principles

PERHAPS no phase of electrical development is more fascinating than the events leading up to the practical use of electricity as the motive power for street railway transportation.

It is a story of "midnight oil", hard thinking, extreme perseverance. No better example of the value of sound principles to present day engineering could be cited than the Westinghouse No. 3 Motor, as introduced in 1891.

Its design was so fundamentally correct and the details were so soundly worked out that subsequent developments of railway motors all followed the principles embodied in it. Now let's see what bearing this has had on modern transportation.

In 1700 the first permanently fixed rails made their appearance. In 1831, in New York, horse cars began operation. In 1834, after fruitless attempts to apply steam, compressed air, gas, etc., to these cars, a Vermont blacksmith, one Thomas Davenport, sug-

gested that electricity be used as the motive power.

The very first practical commercial dynamo, built by Gramme, in 1862, made this suggestion a possibility.

It was natural that George Westinghouse, with his intense interest in transportation, should take up this problem. From 1889 to 1891, he, with his organization, worked continuously to perfect a commercially practicable railway motor, and the famous No. 3, daddy of all street railway motors, was the result.

As mentioned before, the principles embodied in the No. 3, thirty-two years ago, are still in use, and at least ten prominent features of this remarkable motor are to be found in present-day types. A number of these early motors are still in operation—a tribute to sound engineering principles.



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