

PENN STATE **BRACELETS** in Sterling Silver \$2.50 Crabtree's

# The HOOVER-

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Electric Supply Co.

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See the Children Safely to School in a





## PABLO CASALS GIVES RECITAL IN AUDITORIUM

Many Difficult Numbers to Large Audience

alone, often with closed eves and always with perfect simplicity of manner.

PPNN STATE HOLSTEIN COWS

MANY-IT-MARKABLE RECORDS

The Holstein cow, Lillith G-m Kolkluff , owned by the Pennsalvania State
College and noted for her remarkable
record in producing 22,247 pounds of
milk in one vert her elected in the last
of pounds of milk in the last very
This quantity re-events approximate
in 10,400 quarts of milk, 818 pound of
butter, and 1000 pounds of cottage
cheese This young cow has inherited
all the good qualities of its mother and
promises to even excel be record inen now she has a record of producing
(50) pounds of butter fat in the last
year while her mother's lost record is
the more of the choice of the courses, of more dear training as well as musle far,
to course in musle far, courses for masses
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to course in musle far, courses for masses
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# FORMER COSMOPOLITAN ---CLUB IS REORGANIZĘD

Reviving a society which exists one years ago but which had ceas anctioning the foreign students can State again organized the Cosm olitan Club on Friday January chath

### DEPARTMENT OF MUSIC OFFERS NEW COURSES

**FATIMA** 

## 1924-1925 CALENDAR ANNOUNCED BY SENATE Scholarship Day-Apr 21, Tuesday

Christmas Recess Begins on Dec ember Twenty-third-Ends January Sixth

Collore Senate at it-

Winter Courses in Agriculture Mai 6, Friday Easter Recess begins 5 20 p. m 9 Thursday

Memorial Day (holiday)-May 30, unday,

2nti nee Examinations at the —June 17-18, Wednesday-Pi 'umers' Picht Day—June 18 day

ed Standing and Removal of tions—Sept 17-19 Thursday day. Registration Days—Sept 21-22, Mor day Tuesday

list Semester begins 10-70 a m — Sept 23 Wednesday

BASEMENT OF HOTEL

GROCERIES GROCERIES

> **Special on Coffee** This Week

W. R. GENTZEL

"Home of Better Built Furniture" 

GREAT DEMAND IS MADE FOR EXTENSION SPEAKERS

The Real Merchants Associate York Pennsylvinia has applied to Engineering Extension Depu-tem of Penn State for a speaker of State for a speaker

**KNOX CAFE** 

Tea Room

7:00 A. M. Till Midnight

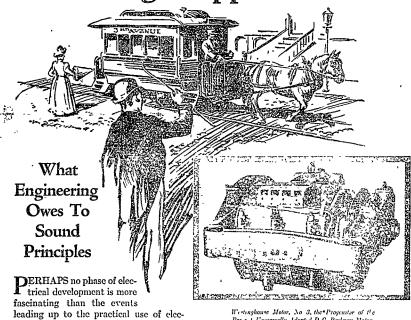
Open After All Dances

DUYONS DORAL

VISIT THE

State College Hotel

Something Happened in 1891



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.

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.

tricity as the motive power for street

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-

railway transportation.

ACHIEVEMENT & OPPORTUNITY



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