

A FIRST CLASS PRESENT

A GOOD FOUNTAIN PEN

The Wm. Bolles Non Leak, Self Filling.
Fully Guaranteed. Your Friend can
Carry it in his Pocket or Hand Satchel

A LARGE STOCK TO SELECT FROM

AT

The University Book Store

340 North 11th St., Lincoln.

Box Writing Paper Sale

going on now. 50 per cent discount on all box paper for the next ten days. Now is the time to stock up.

HIRSCHING-MORSE COMP'Y

Prescription Druggists
131 SOUTH ELEVENTH ST.

Lawlor Cycle Co.

Racyles and Iver Johnson Bicycles, Edison Phonographs and Records, D. & M. Sporting and Athletic Goods, Guns and Ammunition.

1324 O STREET

The ACME

Bowling, Billiards, Pool and Cigars

The Finest Place in the West. 934 P Street
MEMMEN CANNON CO.

THE 'UNI' SMOKE HOUSE

Welcomes all students and invites you to enjoy our Smoking and Reading Room. It's a pleasure to please. Try us.

"UNI" SMOKE HOUSE.
1132 O STREET



T. J. THORPE & CO.

Rubber Stamps, Stencils, Seals, Trade Checks, Keys, Locksmithing, General Machine Works, Model Makers, Etc.
205 So. 11th, Lincoln

Engineering Notes.

The C. E. department has received a new Heller & Bradley transit for use in the surveying classes. A similar instrument of the Berger Company is on the way. These transits cost \$250 apiece.

M. F. P. Costelloe, C. E. 1906, has gone to Ft. Morgan, Colo., where he has a position as assistant to the engineer in charge of a sewerage construction contract there.

James A. Green, a former Nebraska C. E. student, was in Lincoln recently. He is manager of the Denver office of J. G. White & Co.

Mr. Alfred Boyd, the new instructor in the C. E. department, began work here this week. He has the classes in structural engineering, relieving Professor Stout of the bridge classes. Mr. Boyd graduated from Washington University (St. Louis) in 1894, and has had much practical experience in bridge building. He has served with the American Bridge company of Chicago, the Wellman-Seaver-Morgan company of Cleveland, the Jeffry Mfg. company of Cleveland, and in other bridge concerns, coming to Nebraska from Cleveland.

News comes that Mr. Thomas Davis, instructor in drawing at Nebraska in 1905-06, and till recently in the employ of the Jeffry Mfg. company of Cleveland, has taken a position as mechanical engineer for the Cleveland Crane and Car company.

Professor Richards will discuss the new engineering building before the Engineering Society next Wednesday evening. All engineers out.

A catalogue from the Casino Technical Night School, located in a suburb of Pittsburg, states that C. E. Bedell, E. E. 1900, who is with the Westinghouse Electric and Mfg. company, is on the staff of the school as special lecturer on electric controllers.

The October number of the Physikalische Zeitschrift contains a translated reproduction of an article by W. Heald,

M. A., from Nebraska, prepared by him for his thesis at Nebraska, and recently published in the Physical Review.

A new adjunct to the up-to-date equipment of the Physics department in Brace Hall has just been received in the shape of a twin-cylinder vacuum pump. This pump, which cost about \$300, is of English manufacture; and will be operated by electric power. It will be connected to an air-tight piping system already in place in Brace Hall, with leads to nearly every work-room of the building, and will replace the water aspirators now in use for gas exhaustion purposes. Used in connection with the centrifugal mercury pumps in the laboratory, it will be capable of producing the high vacuums needed in X-ray tubes and such apparatus. The two cylinders operated in parallel will produce a vacuum of $\frac{1}{4}$ millimeter of mercury; and operating in series, will produce a vacuum of 1-5000 of a millimeter.

Some interesting changes in the E. E. laboratory are under consideration by the Board of Regents. Mr. V. L. Hollister, instructor in Electrical Engineering, states that the changes planned will result in much better economy of operation of the laboratory machinery; will bring the plant more nearly up to date, to the benefit of the students working there; will give 20 per cent more room on the laboratory floor, and will be decidedly a great improvement. It is proposed, briefly, to eliminate the line shafting in the main E. E. laboratory, substituting therefor direct motor drivers for the laboratory generators. According to the plan proposed, one 20 H. P. and two 15 H. P. 3-phase motors would be used for driving three generators in the laboratory; two 3-phase connected directly to constant speed machines, and ordinary direct current motors to drive the variable speed machines, these motors deriving their power from direct current generators driven in turn by 3-phase motors. Such a system conforms with modern power practice, in reducing cost of operation; giving better control over individual machines, as the

laboratory requirements demand; saving the room occupied by the present line shafting and belting; and reducing the present considerable risk to students working around the line shafting. The change would cost some \$1,800.

M. 103, the room being equipped as a drawing room in the surveying classes of the C. E. department, is expected to be ready by January 15th.

Marshall, students' barber. Corner Thirteenth and O under Famous.

Hayden, photographer, special rates to students. 1127 O street.

Green's barber shops are the best in the West.

Go to Mrs. J. C. Bell, hairdresser, for chiropody.

Discount on all Shoes, Sanderson's Sale.

Palace Dining Hall. No lunch counter.

Just, a quiet evening meal at Dalrymple's.

Beckman Bros. Fine shoes, 1107 O. st.

Try Francis Bros.' restaurant, 1020 P

Cameron's lunch counter 123 So. 12.

CENTRAL NATIONAL BANK

TWELFTH AND O STS.

F. L. HALL, President.

F. E. JOHNSON, Vice Pres.

BEEMAN C. FOX, Cashier.

W. W. HACKNEY Jr., Asst. Cas.

GEORGE BROS.

PRINTERS

COPPER PLATE

ENGRAVERS

FRATERNITY BLD. 13 & N