

SOME CHANGES MADE

ADDITIONS OF MACHINERY TO ELECTRICAL LABORATORY.

GOOD PLANS MADE FOR FUTURE

Demonstration Lecture Room to Accommodate Large Classes—More Special Apparatus to Be Bought Very Soon.

(By V. L. Hollister.)

The electrical engineering laboratory shows some marked changes which have taken place during the past few years in the addition of new machinery, following the lines of general commercial evolution. Lower frequency and multi-phase alternating current apparatus is being substituted for the old high frequency mono-phase machinery. Individual sets of belted motors and generators are given the student for experimental work. A more or less complete system of wiring has been introduced throughout the laboratory for making the various temporary connections between machines for experimental work. Thus the work is facilitated and greater protection is given both to the students and to apparatus. Later types of slow speed direct current as well as alternating current machines are being installed. Much of the line shafting has been removed.

To Remove Engine.

The laboratory 100 H. P. high speed steam engine is still the prime mover. Plans have been drawn and steps are now definitely under way for the removal of the old engine together with the remainder of the line shafting, which have done such valiant service in the past. The shops building is to be remodeled and fitted up for the exclusive use of the electrical department. Among the changes that are under way and are expected to be effected within the year are the installation of two 25 H. P. induction motors to drive the direct current laboratory generators; one 15 H. P. induction motor for driving either an alternating generator or the direct current T. H. arc machine; one direct current inter pole speed motor of 15 H. P. capacity for driving a revolving field alternator. A complete and modern switchboard of seven panels will serve the laboratories. A flexible system of wiring will extend from the new switchboard to all parts of the main laboratory, to the lecture rooms, photometric laboratory, and to the high tension laboratory.

A large demonstration lecture room is planned. This room will be so equipped that experimental demonstrations may be given before large classes.

Some very necessary additions will be made to the instruments and special apparatus now in the department.

For One Building.

All offices, lecture rooms and laboratories of the electrical engineering department will be in the one building, to the advantage of students and teaching force.

In the high tension laboratory, mentioned above, there will be facilities for obtaining voltages from one to fifty thousand volts, for carrying out special high tension experimental work.

The work, as carried out in the laboratory classes at present, approximates very closely in character the testing done in the shops of the large manufacturers of electrical machinery. The attempt is made to make the work as practical as possible, and at the same time to impress upon the student the application of the theoretical considerations introduced in the class room.

OCCUPY HIGH PLACE.

(Continued from Page 1)

on the pitching staff. Schleuter was a crack fielder and in this line his work was the mark for the roster's praise. Carrol as catcher played an excellent game. He will without doubt again make the team this year.

Captain Walsh of the basketball five is the only engineer on that team. His work has been considered excel-

lent by athletic critics of the university and with the Bell boys he made third in a great trio. He has not yet shown what is to be expected of him this year, but he will doubtless round into his usual form with the season fairly started.

In addition to these engineers who have won "N's" for their athletic work, there are five men in that school who have this year won "reserve" sweaters. These men were substitutes for the regular football team. They are: Sturmer, Kirke Collins, Ellico, Slaughter and Bowers. These men will have an excellent chance for the team next year if they remain in schools.

Famous Old War-horses.

In years past the engineers have fully maintained the record which they have made this year. Numerous of the famous men in Nebraska athletic annals have been members of the industrial group and among these are numbered the very best football players that the Cornhusker institution has ever put out. One of the best men who ever fought for the scarlet and cream was Maurice Benedict. Benedict did work of an extremely sensational style in the old days of five-yard play without forward pass, when the line masses flourished to their greatest extent. He almost never failed to deliver the goods and to him may be attributed a large part of the Cornhusker success at that time. Benedict took work in the engineering college but he did not graduate. He is now engaged in mining engineering.

John Westover, captain and tackle, was the best man at that position that Nebraska has ever had. His bulldog tenacity and his absolute fearlessness led him to do things which have never been equaled by a Cornhusker tackle. Two other captains from the engineers were John Weller, half-back, and Cy Mason, tackle. Weller's work in the Ames-Nebraska game of 1907 will long be remembered, it being

Mosher (captain), and E. A. Schmidt are former engineers who made good at basket-ball.

The bid for the construction of the new building of the state historical society has been let to the Louis Jensen contracting firm of Lincoln, the figures of the successful bidder being \$10,120. Jensen also made a bid some time ago, and the second figures beat the first by almost \$1,000. Four other bids were submitted to the board of trustees by the Shaul construction company, by Olson and Lawrence, by George E. Tobin and by the Trenton construction company. The contract simply calls for the excavation and the foundation walls of brick. The remainder of the work will be let at a later date. Work on the new building will begin as soon as the weather permits.

Charles M. Kearney, '07, is located at Morrill, Neb. He says he is about as far away from the university as he can get and still be in Nebraska. Morrill is five miles from the Wyoming line.

Chancellor Avery has recently received a letter from President Schurmann of Cornell notifying him that the University of Nebraska has been admitted to membership in the Association of American Universities.

The Alpha Omicron Pi sorority has recently announced four new pledges. They are as follows: Grace Gannon, Missouri Valley, Iowa; Anabelle Good, Wahoo; Lois Nesbit, Tekamah; Mary Odeon, Norfolk.

The department of military science requests that all officers report in S. 102 at 5 o'clock Monday, Tuesday, Wednesday and Thursday nights of next week. All others who wish to attend may do so. No classes in military science will be held next week or the week following.



his last exhibition on the gridiron. His toe-work was the deciding factor in that close contest. Other engineers who went on the field for Nebraska and received more than the usual amount of commendation from the bleachers were Pillsbury, Glen Mason, Fenlon and McDonald.

In baseball Art Fenlon is probably the best of the players from the engineers in times past. Fenlon is a star fielder and his work has attracted attention in professional ball since he left the university. Announcement was made just a few days ago of his sale by the manager of the Lincoln Western league team to the Topeka team for next season. Other old baseball stars are Nilsson, Hyde, Blake, Hrubesky, and Freeland. Hyde was one of the best catchers on the Cornhusker list. Blake and Hrubesky were pitchers in their day and Freeland was an excellent fielder.

In track work in the past the engineers are represented by Havens, Earl White, A. D. Smith, Weller, and Chaloupka. Havens was probably the best cross-country runner in the history of the university. Hagensick,

ANNUAL NEBRASKA BLUE PRINT

is the Publication Issued by the Engineering Society.

The Blue Print is the annual publication of the Nebraska Engineering society. It is a purely technical journal devoted to the interests of the engineering sciences, and to the promotion of engineering at Nebraska.

The articles which appear in this publication are specially prepared for the Blue Print, and in them are set forth the results of original work done by Nebraska men, sometimes members of the faculty, but more often by members of the alumni, who contribute them upon request.

The Blue Print has a wide circulation; exchanges are made with all leading technical schools of this country; many copies are turned over to the university library for distribution among other libraries of this country as well as of South America; a number are sent to large manufacturing industries, while the remaining copies are sold to subscribers at fifty cents each in order to cover expenses.

The Blue Print has now been pub-



Throughout school days, college days, business or professional career the Conklin Pen will serve you faithfully and make writing a pleasure. You don't have to coax it or fuss with it to get it to write. Because of its wonderful feed principle, ink responds instantly at the first stroke and maintains an even, steady flow to the last dot. Another great advantage of owning a

CONKLIN'S SELF-FILLING PEN

—you're never without ink. No matter where you may be—in your room, lecture hall, at the post office, telegraph office or hotel, or on the train—all you have to do when your Conklin Pen begins to run dry is to dip it in any inkwell, press the Crescent-Filler and your pen instantly fills itself and is ready to write. The same simple movement also cleans it. No mussy dropper—no spilling of ink—no interruption to your train of thought. Handsome catalog direct from the manufacturers, The Conklin Pen Co., 310 Manhattan Bldg., Toledo, Ohio, on request.

SOLD IN LINCOLN BY

E. FLEMING, 1211 O STREET



ORDER YOUR PUNCH AT FOLSOM'S

Hot Lunches a Specialty.

---Candies and Ices.

1307 O St. Phones: Auto 2214, Bell 456.

The Westinghouse Electric Company

is now marketing a Glower Lamp which gives a soft white light. The four Glower Arc gives 740 Candle Power for 542 watts consumption. See our sales agent

Geo. Ballard, 323 So. 12th

ENGINEERS

Call and see our full line of Drawing Material

University Book Store

lished for seven years, and volume eight, which will be issued early in the spring, is well under way. There will be fourteen or sixteen articles in this number, varying in length of from two thousand to six thousand words each, with many illustrations. The present staff is working hard to get out a publication which will leave no doubt in the minds of its readers as to the true ability of our engineering faculty. The men on this year's staff are: M. E. Strieter, editor-in-chief; J. B. Johnson, business manager; H. W. Hinman, A. M. Candy and E. M. Buol, departmental editors.

PAUL E. YATES IS IN RUNNING.

Announces His Candidacy for Junior Presidency.

Paul E. Yates, of Lincoln, yesterday afternoon announced that he was a candidate for president of the junior class. He has started a campaign as an opponent of Miss Josephine Huse, who was the first candidate to get into the race.

Arbor Bart, who had been mentioned as a possibility for the president of the fourth year men, declared yesterday afternoon that he positively would not make the race for the head position of the class of 1910.

Students at Spokane college, Washington, are building a gymnasium by their own efforts. The college authorities said that they could not afford the building, so the students are working on it alone. Four men work on it each day.

Fred Walker of Chicago has stated that he will not pitch for the Sox this season. He is going to take his degree in June.

University Bulletin

January.

Saturday, 16—Ames basketball game. Informal dance 8 p. m.

English club meets at Melick Court.

Friday, 22—Senior prom at Lincoln Hotel Annex.

Drake basketball game 8 p. m.

Saturday, 23—Drake basketball game. Informal dance 8 p. m.

Monday, 25—Semester examinations begin.

Friday, 29—Sophomore Informal at Fraternity Hall.

Kansas basketball game 8 p. m.

Semester examinations close.

Saturday, 30—Kansas basketball game 8 p. m. Informal dance.

February.

Monday, 1—Missouri basketball game 8 p. m.

Friday, 5—Junior Prom at Lincoln Hotel.

Monday, 8—Senior play try-outs. N. 106, 7 to 10 p. m.

Friday, 19—Minnesota basketball game 8 p. m.

Saturday, 20—Minnesota basketball game. Informal dance 8 p. m.

Baked beans, baked on the premises and served hot with delicious brown bread, 10c, at The Boston Lunch.

The University of Glasgow, Scotland, has a new officer. He is known as the "Censor of Morals," and his particular duty is to end the "disgraceful flirting" of the girls in the University. The intention seems to have been to appoint him from the student body, but applications are slow in coming in.