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ENGINEERS ARE UNDERPAID

DR. WADDELL, DEAN COOLEY AND
DR. ARNOLD SPEAK.

OPENING DEDICATORY CEREMONIES

POINT OUT MANY FACTS TO THE
ENGINEERS.

Two Speakers Talk Up a Consideration of the Corporations, and the Work of the Future. Engineer.

The opening ceremonies in the dedication of the new mechanical engineering laboratories of the university were held Wednesday morning at 10:30. A large number of visiting engineers arrived Monday evening and Tuesday morning, and accompanied by members of the university faculty spent the early morning hours inspecting the campus and the university buildings.

Special addresses by three of the visiting engineers was the feature of the morning program, at which Dr. John A. L. Waddell of Kansas City, Dean M. E. Cooley of the University of Michigan and Blon J. Arnold of Chicago spoke briefly.

Dr. Waddell, who was introduced by Dean Richards as one of the most eminent of the civil engineers of the world, and the man who has connected Nebraska with the east. His subject was, "The Present Status of the Engineering Profession and How It May Be Improved." Dr. Waddell said in part:

"Where would civilization stand were it not for the engineer's brains and untiring energy? In four ways the engineer of today is handicapped. First, by insufficient pay; second, they are not protected by law against unscrupulous employers; third, there is no rule by which the profession is governed in public opinion; and lastly, the engineers do not have the proper standing with the public.

"Dealing with these things in their order, we find that the engineers of today are not paid in many instances as well as the common mason. He is protected by an organization formed to regulate wages and care for his support. There is nothing to relate the profession of engineering to the public, and public opinion does not give these men enough respect.

"To correct this evil an organization, of which I am not allowed to give full information about, has been organized, with the following scope: To broaden and dignify the profession, to bring the profession of engineering into high respect, and to instruct the public in the importance of the engineers. From this organization great results are expected when its organization is complete. The requirements for membership are very exacting and because of this only the men of the highest standing will be entitled to membership."

Dr. Cooley's Address.

Dean M. E. Cooley of the University of Michigan chose for his subject, "The Public Service Corporation and Its Relation to the Public." Dean Cooley said that the attention of this problem had been before the public for some time and that the engineer had a large part in solving it. He said in part:

"I have investigated public utilities, and I have found many tangible reasons why they should be investigated.

THREE THOUSAND DOLLARS TO AID WORTHY STUDENTS

Three thousand dollars is the total amount of three gifts yesterday made to the University of Nebraska. At a luncheon, held Wednesday noon at the New Lindell hotel, three gifts of one thousand dollars each were received from friends of the university. The three donors are: Mr. John R. Webster of Omaha, Dr. J. A. L. Waddell of Kansas City and Regent W. G. Whitmore of Valley, Neb. None of the gifts were anticipated by the toastmaster, the chancellor or any of the faculty men. They came as a complete surprise to all.

A number of excellent toasts had been given and Dean C. R. Richards had just called on Chancellor Avery to close the program, when Mr. John R. Webster of Omaha arose to address the toastmaster. Mr. Webster said that he wanted to beg for a minute of time; that it was really hard for him to break in on the program in this way, but that he had something on his mind which he wanted to unload.

He told the eighty men assembled that he had given a sum of a thousand dollars, a few years ago to an eastern school, and that it had been used as a loan fund for worthy students. He said that the fund had been added to from time to time by the interest becoming principal, and that today it is a growing fund doing a good work.

He stated that he wanted to give a like sum to the University of Nebraska, with the same end in view, that of helping worthy students

who would otherwise not be able to complete their courses.

This announcement from Mr. Webster caused a goodly round of applause and also some cheering. Before the excitement had subsided, Mr. W. G. Whitmore, one of the regents of the university, said that he would duplicate the offer of Mr. Webster. This offer of the second thousand was quickly followed by a third thousand given by Dr. J. A. L. Waddell of Kansas City.

The enthusiasm was by this and when Chancellor Avery finally time running at a pretty high clip, spoke, he pronounced the last three the best and most profitable toasts of the program. In behalf of the university, and by the authority vested in him by the board of regents, he accepted the three thousand dollars which had been offered. The chancellor and the board of regents will be in charge of the fund.

The luncheon was planned complimentary to the men who were yesterday the guests of the university at the engineering building dedication exercises. Besides the three men above mentioned there were several other out-of-town guests at the luncheon. Dean W. F. M. Goss of the University of Illinois, Dean M. E. Cooley of the University of Michigan, Mr. Blon J. Arnold of Chicago and others were guests of honor. Prof. Laurence Fossler and Dean C. R. Richards were the committee in charge. About eighty men were present.

The corporation officer will admit that their troubles are of their own making. That they had forgotten that public utilities were servants of the public. Because of this the public was put in the position of a servant, and while they are slow to rise in anger, when they do so they were a mighty force.

"However, the blame of the present trouble cannot be all laid to the corporation. We are a growing nation. The possession of wealth at times seems to be our goal. Thus we ourselves have neglected the corporation.

"The public, however, is easily influenced. A few may make trouble. These few may be the men seeking favor. Shall we drop our ballots for the support of the politicians who stir up trouble between the public and the public utilities corporations?"

"The corporation is a servant of the people. If it assumes a different position it is not fulfilling the duty which is laid down by its franchise. To accomplish this a campaign of education should be started. To gain this, history, sociology and similar topics must become part of the engineer's curriculum."

Dr. Arnold Speaks.

Dr. Blon J. Arnold of Chicago was the last speaker on the morning program. Dr. Arnold is a graduate of the University of Nebraska, receiving his B. Sc. degree in 1884, his M. Sc. in 1887, and his E. E. degree in 1897. Dr. Arnold spoke briefly, and said in part:

"Stand on the policy of truthfulness. This is my advice. At the pres-

ent time new enterprises require capital. Following up the thought which Dean Cooley has outlined, I wish to go farther into the subject. To the engineer the duty falls of going farther into a problem and getting down to the real foundation of all matters.

"When a corporation is started, and capital must be secured, if risk is great, then the interest will naturally be high. Now when the basis of the stock of the corporation is investigated many things must be taken into consideration. There are preliminary or developing expenses in the building of a railroad. But many of these things cannot be shown in a material way. The company purchased locomotives, ties, scrapers and similar things. These can be represented in a material way when the basis for stock value is investigated, but the money which was expended for attorney's fees, discount for the sale of bonds, and similar developing expenses cannot be shown. To show that these things are possible and deal with minor affairs like this must be taken into the consideration of the future engineer.

"To remedy over capitalization I would say that we forget the past, and let the future bring forth the results. Over capitalization cannot go on. Engineering itself is a calling requiring continual thought. The calling of the engineer should be recognized as one of the highest. It makes men think accurately, speak exactly, and gives them ability along lines which no other calling can bring."

THREE DEGREES CONFERRED

EMINENT ENGINEERS HONORED
LAST EVENING.

NEW BUILDING IS DEDICATED

DEAN GOSS DELIVERS DEDICATORY ADDRESS.

Governor Aldrich, President Allen of the Board of Regents and Chancellor Avery Make Short Addresses.

Wednesday evening marked the dedication of the new mechanical engineering laboratories. The opening speeches in the morning and the faculty club luncheon at noon was followed by the formal ceremonies in the evening.

An enormous crowd assembled to listen to the words of the speakers of the evening and to witness the conferring of the honorary degrees upon three of the most eminent engineers in the United States.

Program Opened.

The formal program was opened by three short addresses. Governor Aldrich was the first speaker, representing the state. In a few words he outlined the way in which the honor of the state was upheld by the university. President Charles Allen of the board of regents followed with a short address, and Chancellor Avery followed this address with the closing talk of the preliminary exercises.

Dean Goss.

The principal speaker of the evening was Dean William F. M. Goss of the college of engineering of the University of Illinois. He discussed many matters of interest to the engineering world and pointed out as the speakers of the morning the importance of the engineers' work.

He complimented the University of Nebraska and the state on the new engineering laboratories, and praised the work of the men who had been graduated from this institution, as well as the efforts of the men of the faculty who were in a way responsible for the results obtained by the students.

Degrees Conferred.

Following the dedicatory address honorary degrees were conferred upon Dr. John Alexander Low Waddell of Kansas City, Dr. Blon Joseph Arnold of Chicago, and Dean Mortimer Elwyn Cooley of the college of engineering of the University of Michigan.

Of these men Dr. Arnold is the only Nebraska graduate. He received the degree of B. Sc. in 1884. In 1887 he was granted his M. Sc. degree, and this was followed in 1897 by the degree of E. E. Dr. Arnold is a contributor to scientific literature, a university lecturer, and an electric traction expert. He is consulting engineer on the New York subways and chief engineer in the reconstruction of the Chicago street railways. He is the inventor of the magnetic clutch, of storage batteries for traction work, and of single phase railway construction. Dr. Arnold is a fellow of the American association for the Advancement of Science and past president of the American Institute of Electrical Engineers and of the Western Society of Engineers. He is a member of the American Society of Civil Engineers and of the Society for the Promotion of Engineering Education. He was awarded medals and

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