

ENGINEERS' EDITION THE DAILY NEBRASKAN

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PRICE FIVE CENTS

ENGINEERS' NIGHT TO BE BIG EVENT

General Public Invited to Attend Day
Open House and Inspect
Departments.

MANY EXHIBITS READY

Various Branches of the College Have
Prepared Samples of Work for
Public View.

Perhaps the biggest event of the annual Engineers' Week is the open house of all the engineering departments, The Engineers Night Thursday. On this night, the College of Engineering is host to the general public, and all the shops, laboratories and class rooms in the various engineering buildings are open for inspection. This year, Thursday night, April 21, is set aside as Engineers night and plans are complete for one of the best and most extensive exhibitions ever put on.

The civil engineering and the applied mechanics department will hold their exhibit in Mechanic Arts hall. Transits, levels and compasses will be set up and arranged for display and some instruments dismantled in order that the details of their construction may be visible. Along with this display of surveying instruments will be a collection of drafting instruments and a showing of maps, plans and specifications as worked out by students taking courses in the department. In this collection are plans for railroad location, extension and improvement, designs of steel and con-

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UNIVERSITY WIRELESS STATION WILL BE UNVEILED

Transmitting and Receiving Instru-
ments Open to View of Public
Engineers Night.

One of the many things to be unveiled to the public on Engineers' Night is the University wireless station. It is harbored in the electrical engineering laboratories just north of old U Hall. Four lean copper wires are strung from the U Hall flag pole down to the midships point of Electrical Engineering Hall. These constitute the antenna of 9YY. They lead to the operating room wherein is located a multitude of transmitting and receiving instruments, so designed and arranged as to be able to radiate and receive systematic vibrations of the ether in the form of radio-telegraphic messages.

Two distinct types of transmitters are in use there, a one kilowatt spark set with a 250 watt continuous wave set. The former is very rugged and is the heavy duty installation. It is operated by remote control and is tuned to a 375 meter wave length. Our spark has been heard by amateurs as far as the Atlantic seaboard. The continuous wave set is one which can be used for either telegraphic or telephonic communication. This latter property makes it a very desirable type of outfit.

In the receiving set, the desired signals are turned in and magnified by two electron dynamic amplifiers. These super-sensitive amplifiers will intensify the faintest trace of electrical energy to such an extent as to make it strong enough to be easily readable. These and many other wonderful phenomena will be demonstrated on Engineers Night.



FRANK T. DARROW.

This morning at 11 o'clock Frank T. Darrow will address the engineers convocation on "The Point of View of a Young Engineer in the Making." Mr. Darrow is assistant chief engineer of the Burlington lines for west of the Missouri river, which include six thousand miles of track and forty seven hundred miles of line.

Mr. Darrow was graduated from Allegheny college, Meadville, Pa., in 1897. He came west immediately after graduation and connected himself with the Burlington railroad where his work has been everything from railway location to operation, including all new construction, tunnels, bridges and river control as has been put in along the Missouri river from Omaha to Rulo. Woods Bros. records were used to some extent in river control work.

During the season of 1905 Mr. Darrow was located at Seattle, Wash., as superintendent of National Contract company. His work consisted mainly of steam shovel excavation, municipal and bridge work. His work attained national prominence through his ability to handle big job contracts.

In January this year, Mr. Darrow was elected a director of the American Society of Civil Engineers for a three-year term. He leaves April 22 to attend the annual national convention of the American Society of Civil Engineers to be held at New Orleans.

WALDO PORR PRESIDENT STUDENT CHAPTER A. A. E.

Blue Print Staff for Next Year Also
Selected at Meeting Held on
April 13.

The annual election of officers for the student chapter of the American Association of Engineers was held Wednesday, April 13. The Blue Print staff was selected at this time. The following men were selected for the next year:

- Waldo Poor, president.
 - A. V. Lindgren, vice president.
 - Fred Bing, secretary and treasurer.
- For the engineering publication the following staff was selected:
- H. N. Barnard, editor.
 - H. Upton, assistant editor.
 - R. G. Van Brunt, business manager.
 - J. Applegate, assistant business manager.
 - Robert McCandless, circulation manager.
 - Clyde Wilcox, assistant circulation manager.

The chapter of A. A. E. was organized here in November, 1919, and has shown steady growth since that time. R. N. Tracy, the outgoing president, has aided greatly in establishing a strong and well known chapter here.

LAST ENGINEERS' DANCE COMES APRIL 23

The last Engineers' dance of the year will be given Saturday night, April 23, at Antelope Park. The electricals have arranged special lighting effects to be used for several of the dances.

ENGINEERS CALENDAR

- Tuesday, 11 — Convocation, Engineers' edition Daily Nebraskan.
- Wednesday—Engineers field day.
- Thursday—Engineers' Night.
- Friday—Engineers' banquet, Lincoln hotel.
- Saturday—Engineers' dance, Antelope park.



Dean Olin Jerome Ferguson.

Dean Olin Jerome Ferguson of the College of Engineering, is a native of Illinois. He received his high school education in Nebraska and is a graduate of the University of Nebraska, having received the degree of bachelor of science in electrical engineering in 1903. Following his University course, he spent two years with the General Electric company, Schenectady, N. Y., going through the testing course and working in the transformer engineering department. In the latter place he was actively engaged in the development work on new types of transformers.

In the fall of 1905, he went to Union College, Schenectady, as an instructor in electrical engineering, working directly under Dr. Charles P. Steinmetz. During the next seven years he continued his teaching at Union College, advancing to practical charge of the department under Dr. Steinmetz' oversight.

In 1909 he received the degree of master in electrical engineering, as a result of special studies taken under Dr. Steinmetz, covering power systems, electrical apparatus design, transient phenomena, etc.

In 1912 he returned to the University of Nebraska to take charge of the electrical engineering department, which position he still holds. In 1918, during the absence of Dean Stout in army service, Professor Ferguson was made acting dean of the College of Engineering. Although the regular college work during the subsequent year was badly demoralized, the College of Engineering was called upon

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All Engineers out for Field
day to get in movies taken by
Dr. Condra, 2 p. m.

HEAR DARROW TODAY
Frank T. Darrow, assistant
chief engineer of the Burlington
for lines west of the Missouri
river, will address the convoca-
tion for all Engineering stu-
dents today at 11 o'clock on
"The Point of View." The En-
gineering College is exceedingly
fortunate in obtaining this
speaker and every student in
that department is urged to at-
tend his lecture this morning.

SENIORS!
Order your caps and gowns
now! Call at the College Book
Store to have your measure-
ments taken.
Do it today!
CAP AND GOWN COMMITTEE



JAMES B. HARVEY.

Toastmaster of Engineers Banquet.
James B. Harvey, vice president of the Continental Gas and Electric company of Omaha will have charge of the toast list at the banquet Friday evening. Mr. Harvey entered the University in 1904 and was graduated in 1909 after completing the course in electrical engineering and taking a graduate course in mechanical engineering. He made his "N" in football, was captain of the team in 1908 and assistant coach in 1909. He is the president of the Nebraska section of the National Electric Light association and has been prominent in public utility work for a number of years. Mr. Harvey was toastmaster of the Cornhusker banquet in 1915.

The following is the toast list for this year:

- Toastmaster, James B. Harvey.
- "The Engineer as a Mixer," Lawrence Metzgar.
- "The Engineer as a Student," O. J. Ferguson.
- "The Engineer as a Salesman," J. A. Bruce.
- "The Engineer as a Business Man," R. E. Campbell.
- "The Engineer as a Pathfinder," R. L. Cochran.
- "The Engineer as a Constructive Force in the Nation," George A. Lee.
- Lawrence Metzgar as the representative of the student body will deal

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"FIELD DAY" IS BIG EVENT IN WEEK OF CELEBRATION

Large Parade to Form at State
Farm Campus Wednesday
Morning.

Nebraska has scores of "most favored traditions," but Engineers week rates well toward the top of the "most favored" ones, and the annual field day the greatest day of Engineers Week. Enough events will be held so that every engineer can take part.

R. Gingrich, as chairman of the Field day committee, has collected together numerous events. Here is a brief outline of the program. Meet at M. E. Hall at 9 a. m., Wednesday and form parade for State Farm at 9:30. This parade is to be no small part of the doings. It will be led by the Engineers band mounted on the civil engineering department's prize Garford stallion. With "Stubby" Studevant as the leader this is a band that is a band; it doesn't look very strong, but hoot mon, or maybe better 'oot' mon, you'll be surprised!

The events will be held at the State Farm athletic field. Appropriate prizes will be awarded to all winners. Real prizes, men! There will be nothing cheap about this Field day except the price of admission. It has been rumored that a number of skins (feline mephitis) secured on the inspection trip are being beautifully tanned, engraved and embroidered to be given as rewards to the victors.

College Athletes to Clash.
The first thing on the program is the preliminary baseball games for

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NEW FEATURES IN ENGINEERS' WEEK

Annual Tradition of College Has More
Extensive Program than in
Previous Years.

DANCE ADDED AFFAIR

Week of Celebration Has Grown Out
Out of Annual Banquet, First
Held in 1903.

The annual tradition of the Engineering College is being manifested this week by a greater and more extensive program than has been given in previous years. A. V. Lindgren, as general chairman, has arranged for all of the numbers of previous programs and enlarged the scope of each in every possible way. Numerous details have been added and co-ordinated with the program so as to make Engineers' Week one of reality by having the program to extend to every day of the week.

Engineers' week has grown out of the first Engineers' banquet which was held in 1903. As the years passed, it was decided to have a general open night at the Engineering College whereby the actual operation of the machinery and the student work might be shown to the interested public. Thus two of the numbers were combined and formed the nucleus for the present Engineers' week.

The banquet was considered by the engineering students as the most attractive feature of entertainment given under engineering auspices during the school year. Speakers of prominence were secured for the toast list and it

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SIGMA TAU WILL PRESENT PORTRAIT OF DEAN STOUT

College of Engineering Will Receive
Gift of Picture of Former De-
partment Head.

Sigma Tau, honorary engineering fraternity, will present to the College of Engineering at engineers convocation on this morning a portrait of O. V. P. Stout, former dean of the College of Engineering.

Mr. Stout was graduated from the College of Engineering of the University of Nebraska in 1888 and immediately went into work along the line of railway location, construction and maintenance, with the Burlington, Missouri Pacific and Union Pacific railroads, reaching the position of acting division engineer, Wyoming division, Union Pacific railroad.

Mr. Stout was connected with the state university from 1891 to May, 1920, being head of the College of Engineering after 1893. From 1894 to 1904 he was resident hydrographer United States Geological Survey, irrigation investigator for United States department of agriculture; consulting engineer on construction of irrigation system of Tri-State Land company on North Platte River, costing two million dollars; consulting engineer and head of engineering department of Costilla Estates Development company, Colorado Springs and San Luis, Colorado.

Stout Was Major.

Mr. Stout has frequently been engaged to report on irrigation projects of great magnitude, including reclamation of the ceded portion of the Shoshone reservation in Wyoming. He is

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