

The Knowledge Bank at The Ohio State University

Ohio State Engineer

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THE OHIO STATE ENGINEER

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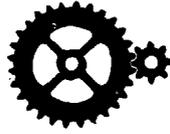
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WELDING CONFERENCE

The sixth annual welding conference, sponsored by the department of industrial engineering, was held on March 3, 4, and 5, in the Industrial Engineering Building and University Hall.

Through the cooperation with the manufacturers and users of welding equipment, the industrial engineering department staged an elaborate show of the latest developments in welding and cutting, using the welding equipment and supplies of well-known manufacturers.

A special three-day course in arc welding, design, and practice provided an opportunity for all those interested in welding to study the electric welding process in its theoretical and practical aspects. The subjects taken up included: the electric arc; the shielded arc, its value and use in design; characteristics of a welding generator; welding of various ferrous and non-ferrous metals; use of special electrodes; weld inspection; checking fusion and penetration; calculating stress distribution in welded joints; and many other problems of the welding industry.

The lectures were conducted by E. W. P. Smith, consulting welding engineer of Cleveland, and Professor Fred L. Plummer of the department of structural engineering of Case School of Applied Science.

On Thursday, March 4, registration and the demonstration started. In the afternoon the address of welcome was given by President George W. Rightmire. Also short talks were presented by W. D. Turnbull, acting dean, College of Engineering; John Younger, chairman, department of industrial engineering; Clay Roberts, welding engineer, Pennsylvania Railroad Co.; and by O. H. Menke, engineering department, Hobart Brothers Co.

On Thursday afternoon and Friday, the exhibits and demonstrations were at their best.

On Friday afternoon, A. E. Gibson, president of The American Welding Society spoke, and Roger B. White, service engineer, Linde Air Products Co., demonstrated oxy-acetylene cutting in the manufacture and utilization of rolled steel.

Dr. G. V. Slottman, research engineer, Air Reduction Sales Co., ended the conference by a lecture on "Flame Hardening."

ENGINEERS' ROUNDUP

This year, marks the return of the old-time Engineers' Roundup. For the past few years the roundup has been just an engineers' dance sponsored by the Engineers' Council. But this year the council felt that there should be a return to the original intention of the roundup, a gathering of students and faculty of the College of Engineering.

The Engineers' Roundup is an old tradition on the quadrangle. Established many years ago, the original purpose was to enable the students and faculty to become acquainted outside of the classroom. It has been an informal gathering of good fellowship, and as such should be perpetuated. It is one link which holds together the various departments in a unified whole. It is an occasion for students and faculty of one department to meet and get acquainted with those of the other departments.

This roundup is to be an entertainment by the engineers. All the departments will participate in presenting skits and other forms of amusement and entertainment. It is the chance for the engineering student to lay aside his slide rule and handbook, and display his more artistic side.

The success of this roundup depends upon each and every one in the College of Engineering. Let's get behind it and support it. The date, Wednesday, April 14.

To separate a heavier isotope of an element from the lighter isotope, a University of Virginia professor has created a force seven million times that of gravity.

If you are one of those individuals who is always afraid of "runnin' out of gas," you had better confine yourself to the surfaced highways. Here there is an average of one filling station every $1\frac{1}{2}$ miles. (So you see you never will have to walk over three-quarters of a mile after gas. Maybe!)

One cubic inch of dry ice makes 450 cubic inches of gaseous carbon dioxide if the gas is free to expand at atmospheric pressure.