

## The Knowledge Bank at The Ohio State University

### Ohio State Engineer

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# A Trip Through The Welding Exhibit

**W**HAT is that large sign near the entrance of the Industrial Engineering Building? Being naturally curious, I turned my steps in that direction. My curiosity was aroused all the more when I saw that it read "Welding Exhibit" and an arrow pointed towards the door of the I. E. building. Consequently I entered the building. Here I was confronted by a gentleman who asked me to register in his book on the table. I consented and as I wrote my name and address, I noticed that many others from various parts of the great state of Ohio had done likewise before me.

Looking around I observed signs which read: "Welding Exhibits," "Welding Lectures," and "Welding Movies." The latter mentioned topic, which reminded me of amusement, interested me the most and so I moved in the direction indicated by the arrow. Before arriving at the movies I passed the Linde Air Products Co. library of welding knowledge, but was in no mood at that time to gain any information on welding by reading. I preferred the movies, to which I hastened lest I miss any of the Linde shows. The repertoire included the following topics: ox-welding and cutting, ox-welding in production, ox-welding for profit, Linde-Weld process for pipe line construction, ox-weld industrial piping, panel heating, multi-flame Linde-Welding, Purox film, and Presto weld film.

After having taken in all the shows, I made my way to the main exhibit room of this welding "Century of Progress Exposition." Here I became fascinated with the modern machinery for welding that was on display and being demonstrated. The Electric Controller and Manufacturing Co. was demonstrating its automatic weld timer for spot welders and the Linde Air Products Co. was showing actual use of its many varied welding operations in machine cutting. The Marion Steam Shovel Co. exhibiting its parts cut with ox-weld shape-cutting machines. General Electric Co. demonstrated welding electrodes. French and Hecht showed quality metal wheels, and a multitude of other displays were presented by various corporations. Examples of aluminum steel, bronze, and pipe welding were being shown by very capable operators. People came and people went, but a large sized crowd was always milling about.

An attractive display and exhibition of the Linde Air Products Co. was augmented by a Tensile Test Contest. Much attention and interest was given to this contest, for anyone who guessed most nearly the average unit tensile strength of certain welds on display would receive absolutely free a Prest-O-Lite outfit. I cast my ballot also, but of course with no hope of winning, as I am not an expert on this subject.

The day was drawing to a close, and I departed with the realization that I had spent an enjoyable and educational afternoon.