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May 5, 1951

SCIENCE NEWS LETTER

®

THE WEEKLY SUMMARY OF CURRENT SCIENCE

A Palace Was Here

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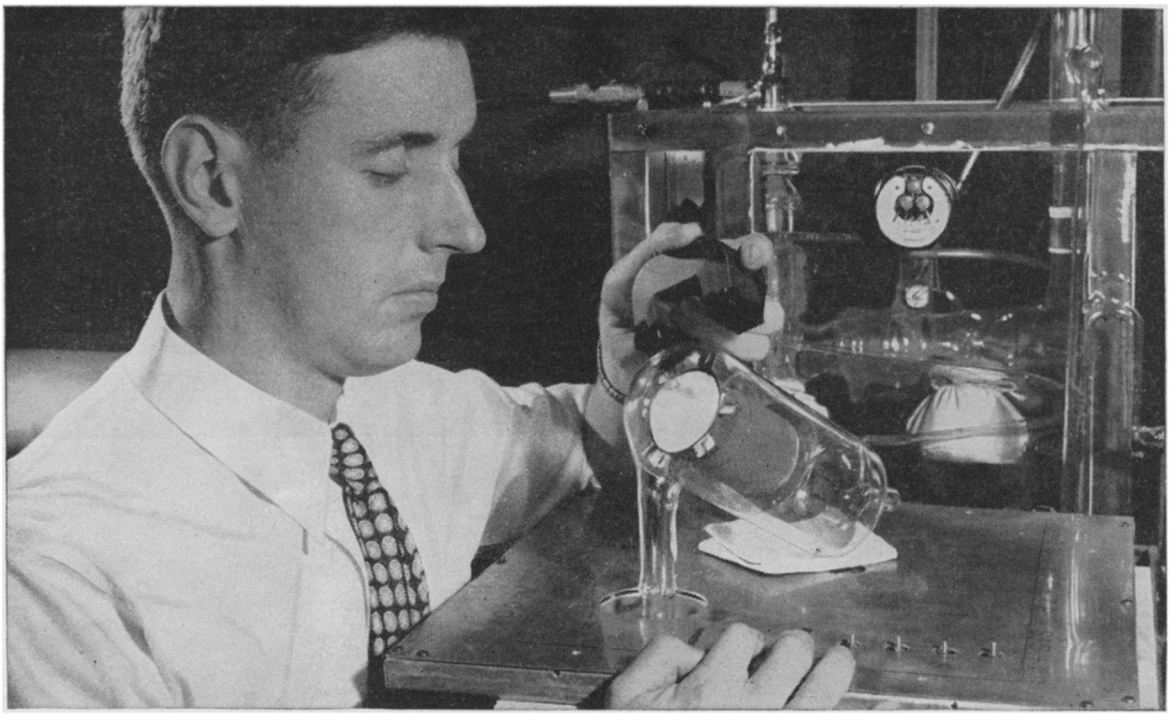

Arthur E. Anderson, Professor of Electrical Engineering at the University of Connecticut, was one of the 21 college professors who spent the summer months last year working with the men who design and build electrical equipment for the Westinghouse Electric Corporation. The program is designed to provide college instructors with practical experience in industry. Here, as part of a research project, Mr. Anderson is using a small magnet to change the position of a metal disc enclosed in a glass tube.

Westinghouse Plan Enables Professors to Deal with Actual Industrial Problems . . .

Through a "lend-lease" program with leading engineering colleges, Westinghouse hopes to enable professors of those schools to get a greater understanding of industrial research, design and manufacturing problems.

Here's the way the plan works: professors from co-operating engineering schools spend their summer months at Westinghouse—actually helping to design and build electrical equipment they discuss in their classrooms. They work side by side with Westinghouse men who design and build electrical apparatus.

In this way, Westinghouse hopes to contribute to the flow of well-trained and competent engineers coming from America's educational institutions.

Other Westinghouse co-operation with colleges is by supporting 42 fellowships, 149 scholarships, 5 professorships, and a graduate study program through which Westinghouse employees may work toward advanced degrees at seven co-operating universities.

These activities indicate the breadth of Westinghouse interest in furthering scientific development. Westinghouse Electric Corporation, Pittsburgh 30, Pa.

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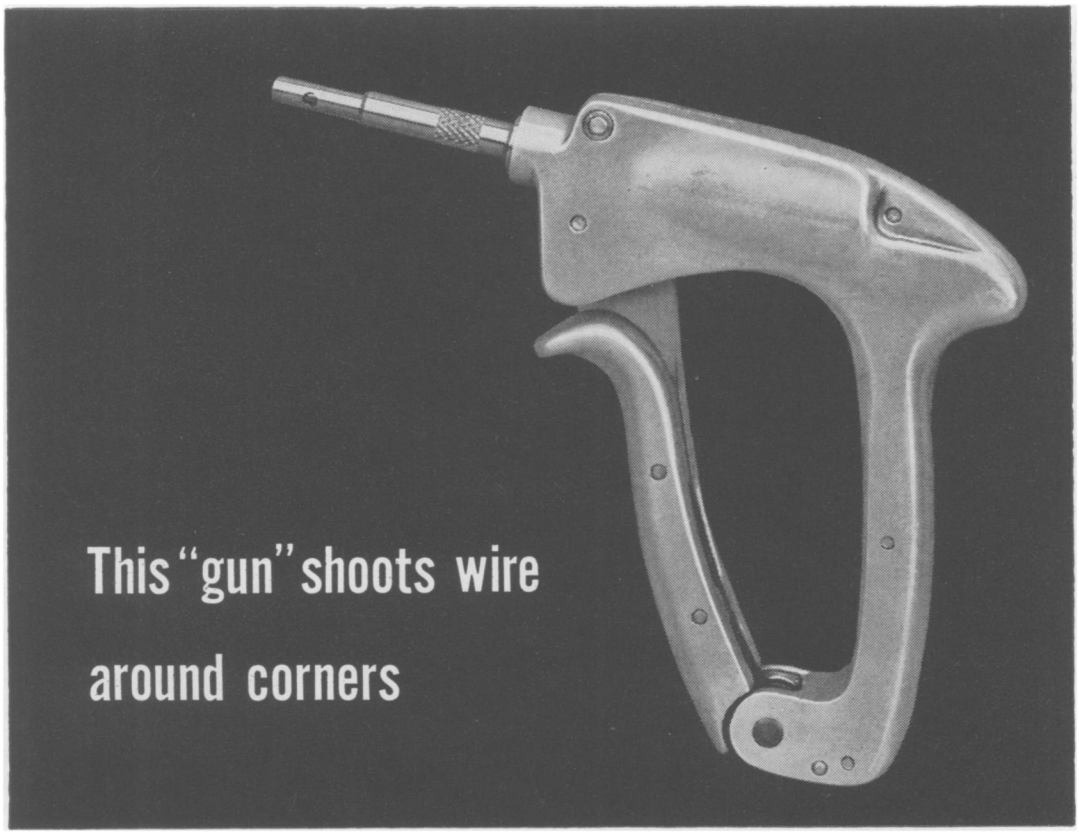
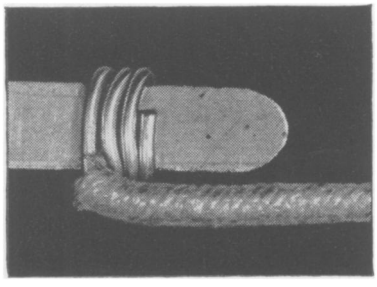
YOU CAN BE SURE..IF IT'S Westinghouse





Close-up of connection made with new tool—neat, tight windings.

IT DOESN'T take long to wrap *one* wire around a terminal and snip off the end. But *hundreds of millions* of such connections are being made each year.

Now this job is done much more efficiently with a new wire wrapping tool invented at Bell Laboratories. This "gun" whirls wire tightly around terminals before solder is applied. The connection is better and there is no waste wire.

The hand-operated wrapper shown here is for the telephone man's tool kit. Power-driven wrappers developed by Western Electric, manufacturing unit of the Bell System, are speeding the production of telephone equipment. The gun's small nozzle reaches where fingers couldn't — a big advantage these days when parts are made smaller as well as better.

Bell Telephone Laboratories scientists devise many special tools to help your telephone system meet growing demands — and keep your telephone service one of today's best bargains.

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