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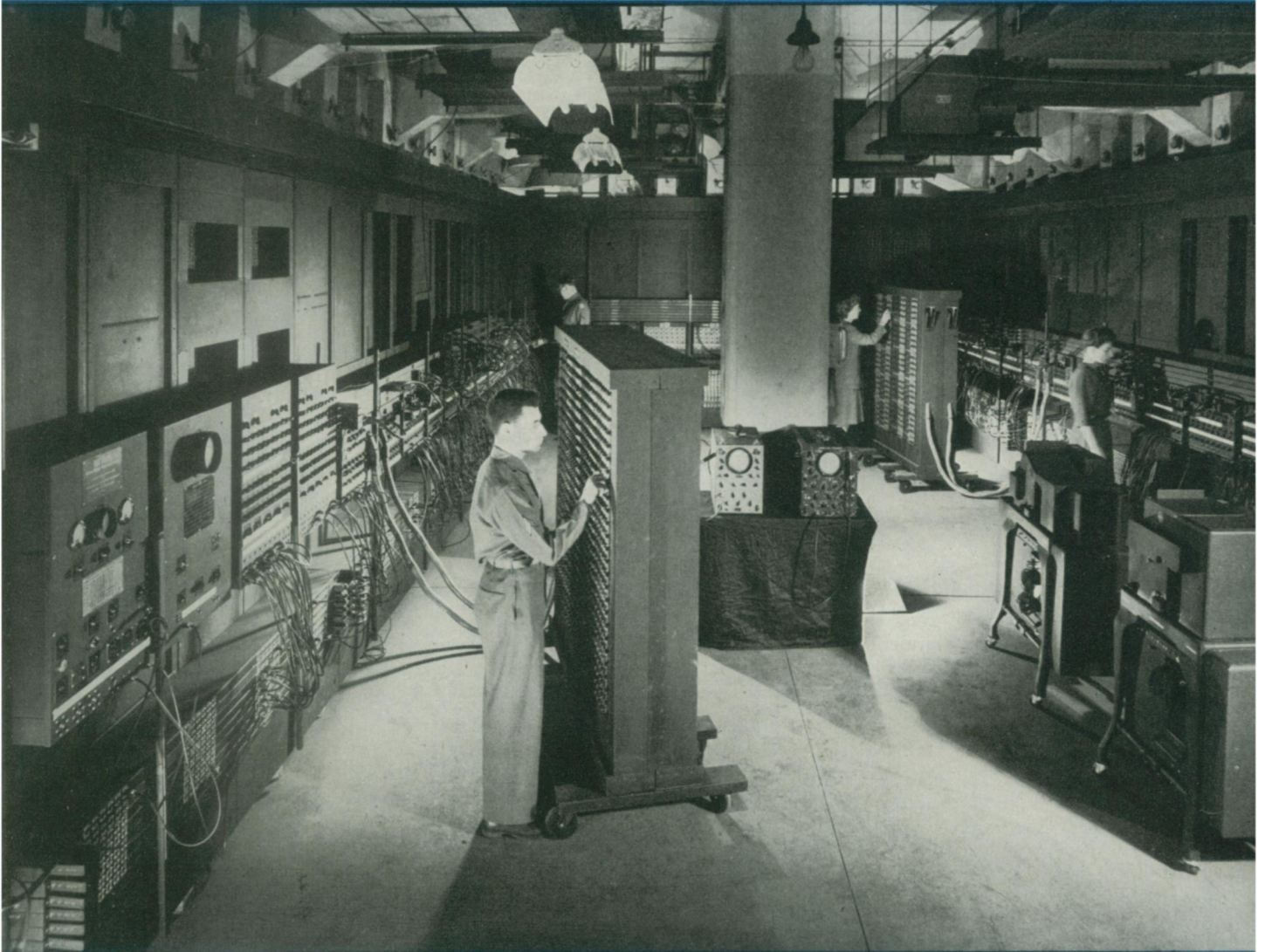


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Radio relay towers, about 50 miles apart, will gradually replace thousands of miles of telegraph poles and wires.

Now, telegrams "leapfrog" storms through RCA Radio Relay

With the radio relay system, developed by RCA, Western Union will be able to send telegraph messages between principal cities without poles and wires.

"Wires down due to storm" will no longer disrupt communications. For this new system can transmit telegrams and radiophotos by invisible electric microwaves. These beams span distances up to fifty miles between towers and are completely unaffected by even the angriest storms.

When large numbers of communications circuits are required, these automatic radio relay systems are more efficient than the pole and wire system . . . are less costly to build and maintain. They'll be particularly useful, too, in areas such as

China and South America where distances are great and long-line services have not been developed.

This revolutionary stride in communications was made possible by research in RCA Laboratories—the same "make it better" research that goes into *all* RCA products.

And when you buy an RCA Victor radio or television set or a Victrola* radiophonograph, you enjoy a unique pride of ownership. For you know, if it's an RCA it is one of the finest instruments of its kind that science has achieved.

Radio Corporation of America, RCA Building, Radio City, New York 20, N. Y. . . . Listen to The RCA Victor Show, Sundays, 4:30 P. M., Eastern Time, over the NBC Network.



Research in microwaves and electron tubes at RCA Laboratories led to the development by the RCA Victor Division of this automatic radio relay system. Here is a close-up view of a microwave reflector. This system holds great promise of linking television stations into networks, as well as relaying other forms of electric communications.



RADIO CORPORATION of AMERICA

*Victrola, T. M. Reg. U. S. Pat. Off.



Just try to think of a business that doesn't depend on gasoline power somewhere along the line—to move raw materials, to transport finished products, to make deliveries to home or store.

Your business runs on gasoline

COUNT, if you can, the gasoline engines that help to keep your own business running. Five? Ten? A hundred? No matter how many or how few, when those engines are made more efficient, more powerful, more durable, you are bound to benefit.

The product we make—Ethyl brand of antiknock fluid—helps petroleum refiners produce higher antiknock gasoline. This in turn permits engine builders to design engines which provide better transportation at lower cost.

Since improvements in engines, fuels and lubricants must go hand in hand, the Ethyl Corporation has for the past twenty years worked closely with

automotive and petroleum companies. In the years of progress which lie ahead, we plan to continue and to expand the research and service facilities we offer in the field of automotive transportation. Ethyl Corporation, Chrysler Building, New York 17, N.Y.

More power from every gallon of gasoline through

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