



Does your dial system really think?

Part of the control equipment of a modern dial system—dial telephony's equivalent of a brain. It goes into action the instant you dial a call, selecting the telephone you want to reach and directing the switches that set up the connection . . . just as the brain directs the muscular actions of the body.

This question can't be answered until we learn more about the nature of thought. But dial telephone systems *do* simulate many of the processes of the human brain. For example, when a number is dialed, Bell's newest switching system—

**COUNTS** the dial pulses

**REMEMBERS** them

**DECIDES ON** the best route to a nearby town or across the nation

**TESTS** to see if the route is clear

**SELECTS** an alternate if the first route is busy

**REPORTS** difficulties in circuits, if any

Today's automatic switching reflects the creative thinking of many scientists and engineers at Bell Telephone Laboratories. Each year your dial telephone is able to do more for you. And this is but one phase of the continuing effort to keep your Bell telephone service the world's best.

**BELL TELEPHONE LABORATORIES**

Improving telephone service for America provides careers for creative men in scientific and technical fields.

